

# ENIGMA 2000 NEWSLETTER



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## Russian ‘Spyship’ Yantar

Apparently off Scottish waters 19<sup>th</sup> Nov2025

Many thanks to BR for posting link: <https://defence-blog.com/uk-warns-russia-over-spy-ship-near-scotland/>  
From which this image is taken with thanks

We think the US term AGI [Auxiliary Gatherer of Intelligence] is a better description

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See last page also.

# Editorial

As the year comes to an end there's even less time to do all things E2k; in addition to that going away to the cold outreaches of the North of England [Lancashire] and by golly it is cold, did nothing to help with my monitoring with a number of XPA1 and 2 schedules not covered in addition to help filling the gap left by Malcolm. I did manage a couple of Clandestine intercepts – don't ask.

The matter of propagation has been at variance through November and December; the last few day of the year having reasonable conditions noted.

There were, however, other possible problems to be seen with the Family III transmissions as noted by Ary, Richard and one commentator to yours truly.

Details of these actual dates can be found on Group across November and December with the dates of 21<sup>st</sup> Nov to 24<sup>th</sup> November then 3<sup>rd</sup> Dec to 5<sup>th</sup> December, with a hiccup on 4<sup>th</sup> December. In his offering of the Family III columns RNGB offers:

Family 3, normally regarded as a very stable station pretty much error free began to descend into chaos following an outage on 21/11  
Messages seemed to be back by the 24th, but not completely.  
More anomalies listed below.

Also, the expected repeats of E11a messages were not as expected. The same group count but different ID and groups.

Maybe exactly the same message using a different key or just dummies, who knows?

```
12067khz  24-11-2025 0845 E11   716/00  off after a 46 secs
14410kHz  01-12-2025 1045 E11a  150/30 Attention 00 99 66 44 11 Attention Attention 77 Attention 0 9 6 4   1  Attention 7 Out  (Tks Ary)
20286kHz  01-12-2025 0600 E11a. Ended at 0604z    150/30 Attention  4 4 11 55 77 99 Attention 4 1 5 7 9 Out          Ary
23353kHz  01-12-2025 0830z E11a  150/30 Attention Attention  Attention Attention  6 out !! out out 2 2 Attention Attention Attention 6 out      RNGB
```

Message repeats seemed to be back to normal by mid-December

BUT! was Poland down again?

4505 03-12-2025 1610 E11 Not found

5082 03-12-2025 1715 E11 Not found

7504 03-12-2025 1730 P03k Not found

7504 03-12-2025 1735 P03k Not found

11486 03-12-2025 1850 S11a Not found

Nothing after 1350z yesterday 'til today 1200z  
9079kHz 05-12-2025 1000 E11 Test tone. No transmission [Txn Richard]

Then apparent normal sendings, it seems [PLdn]

At least one member has purchased a BHI Dual in Line noise eliminating module. He contacted me to discuss use etc and is now a very pleased owner and much noise attenuated.

You'd think having digs on the edge of a Lancashire Golf Course and a rolling landscape behind would be noise free. Not so; the noise picked up on my Sony ICF-SW100 was as bad as that in my London residence. The cause? Heat Pump Technology. Not recommended as far as I'm concerned. The fact it's use is desired by one of our shambolic and apparently useless MPs chasing his 'net zero' target [whatever that is] turns me off the idea totally.

You'll note a different News Round this time. The format appeared at the end of the last newsletter and thanks to 'E's' resilience I have included it as a column, which I hope will become the norm. [Thanks E, trust you are faring well]

There is one standard piece of news which is of interest to at least three members form '*MaleAnonNI*' on the refusal of the Eire governmet during the troubles to permit the shutting down of cellular frequencies used in the commission of remote control of IEDs.

Finally, whilst up North virtually bereft of HF I turned to UHF. On Tuesday 23/12 1900z on the Blackpool Repeater GB3FC there was a slow Morse transmission. I'm proud to say I copied all groups with just one correction [Sent slightly faster than 12wpm]; that is something of an achievement for me. I rounded the evening off with a few QSO's via the repeater with just 1 Watt of RF..Given circa 20miles distance across Wilshire to Blackpool that was not bad.

On the evening of 26/12 I had a QSO via GB3BY, the Preston Repeater. Incoming was a little scratchy prompting me to up the power to 3 Watts. A friendly lot; one remark, which I found most humorous, was, 'You sound like a southerner; you've some guts venturing this far North.'

More in keeping with our interests *per numero*, during one of the QSO's via GB3FC repeater one of those involved knew exactly who I was and brought up the subject of Number Stations. He dropped the names Lincolnshire Poacher and the Gongs and I noted they're all long gone. He also made a statement about my work which I could neither confirm or deny. So, no HF stuff but but references re the interest.

If the Preston Repeater gentleman concerned reads this please email; if you wish to join us we'll make that happen.

Regarding Propagation Peter says: Propagation has been somewhat variable over the last two months with the sun doing its bit to influence the ionosphere; there were several reports in November of the Aurora Borealis being visible in eastern England, the local TV weather forecast on the 12<sup>th</sup> said a display was likely that evening but I think you had to be out and about very late at night to see it. I looked out at around 10pm and saw nothing.

## **Chinese Mx station.**

I admit to have lost touch with this interesting transmission but Peter supplies the latest freqs known to him:

The Chinese music station is still on the air with the same musical line-up starting at 1800 UTC on 6160 and also 7305 in parallel – or at least this was the case when I last listened about a week or so before Christmas.

[Frequencies still good at 1830z 05/01/2026: 6160kHz S9 and 7305kHz S9+10dB. HF225 Rx random wire, tuned Tans Z Match PLdn].

## News from the Lost and Found Department fm H-FD

\*\*\* New November frequencies for the following skeds \*\*\*

\* E07 thu/sat ex 1410z 11574/10274/ 9274 kHz ID 327  
now 1000z 17428/16132/14789 kHz ID 417

\* E11 mon/wed ex 0315z 10448 kHz ID 25#  
now 0315z 8102 kHz ID 25#

\* E11 mon/wed ex 0600z 23004 kHz ID 94#  
now 0600z 20286 kHz ID 94#

\* E11 mon/wed ex 0645z 14753 kHz ID 41#  
now 0645z 14972 kHz ID 41#

\* E11 tue/thu ex 0745z 13908 kHz ID 22#  
now 0745z 23031 kHz ID 22#

\* M12 mon/fri ex 0010z 16275/15975/14675 kHz ID 296  
now 0200z 16152/14537/13461 kHz ID 154

\* M12 fri/sat ex 2100z 6859/ 7459/ 9959 kHz ID 849  
now 2100z 7893/ 8132/ 9263 kHz ID 812

\* XPA2 thu/sat ex 0910z 15985/14885/13885 kHz  
now 0900z 19456/18371/17421 kHz

\* XPA2 mon/wed ex 0910z 17413/15852/13363 kHz  
now 0910z 19354/18551/17452 kHz

\* XPA2 tue/thu ex 1600z 10223/ 9223/ 8123 kHz  
now 1700z 11158/10294/ 9193 kHz

\*\*\* Missing \*\*\*

\* M12 wed/fri 2000z 6917/ 5817/ 5117 kHz ID 981 (Nov = 1st month)

\*\*\* In my opinion dead \*\*\*

\* M12 mon Changed in September 2025 from  
1230z 13386/12189/11491 kHz ID 725 to  
1230z 13409/12195/11526 kHz ID 397, but  
missed since mid September

## ‘E’s News Round

### UK News

Three people have been arrested as part of an ongoing investigation into alleged offences under the National Security Act, which is being led by detectives from Counter Terrorism Policing London.

On Thursday 23 October, three men aged 48, 45 and 44, were arrested at addresses in west and central London. Searches are ongoing at these addresses as well as another address in west London.

All three men were arrested on suspicion of assisting a foreign intelligence service, contrary to section 3 of the National Security Act (NSA), 2023 and they were taken to a police station in London. They were subsequently released on bail to a date in January.

A British man who offered himself as a spy to assist the Russian Intelligence Service has been convicted of a National Security Act offence after an investigation led by the Met's Counter Terrorism Command. The investigation found that Howard Phillips of Harlow, was willing to provide personal details of a former cabinet minister and provide logistical support for Russian espionage activities. Phillips was arrested after a series of interactions with undercover officers, whom Phillips believed were Russian agents.

Detective Chief Superintendent Helen Flanagan, head of operations for the Met's Counter Terrorism Command, said: "Phillips was unemployed and his primary motivation for wanting to become a spy for the Russian Intelligence Service was financial reward.  
"His conviction should act as stark warning to anyone who thinks that carrying out illegal activity on behalf of a foreign state is an attractive or easy way to earn money. '

“The reality is that we take this kind of activity extremely seriously. Those involved will be identified, investigated and, like Phillips, will face extremely serious consequences when they are convicted. “This case is also another successful use of the National Security Act to prosecute someone who was attempting to undermine the security of the UK and we will continue to use these powers available to us to help keep the public safe.”

Phillips had travelled to the capital for a meeting with, who he believed to be, two Russian agents. In fact, the people Phillips had been communicating with were undercover officers. In a series of emails, social media messages and face to face meetings, the undercover officers observed Phillips's eagerness to help the Russian Intelligence Service in return for payment. The jury heard Phillips handed over personal details of the UK's Secretary of State for Defence at the time. Phillips previously met the minister and visited his house as he was his local MP. Phillips also told the undercover officers that he recently applied for a job at UK Border Force and was in the process of applying for Home Office security clearance for that role. In a document saved on a USB drive he handed to the officers, Phillips said he could be someone who could “move undetected and travel anywhere at any time, no questions asked” and “avoid suspicion.”

## **Finland News**

Ex-CIA officer Sean Wiswesser said Finland has become an increasingly important target for Russian intelligence and is part of a wider hybrid war. “Whether Finland knows or appreciates it or not, you already were in a secret war with Russia and their intelligence services before you joined Nato,” he said.

Wiswesser said he believes Russia is unlikely to attack Finland militarily, preferring influence operations instead. “Russia will not cross borders with tanks. It attacks through the internet, propaganda, disinformation and financial leverage,” he said.

“Finland has a long border with Russia. Parts of it are not as closely monitored as they should be. It is a risk that Russia knows how to exploit,” he added. Russia also relies on illegals, “highly trained spies operating in the west under assumed identities.

“I can guarantee you that there are Russian intelligence officers in Finland living normal lives across different parts of society. They are in all Nato countries,” he said. “It is a game of chess with them, and unfortunately, Finland is outnumbered by the Russian intelligence services,” he told Yle, noting that Russia's domestic spy agency, the FSB, alone has 100,000 agents. Moscow takes a long-term view of events, according to Wiswesser. “Putin and his apparatus think decades ahead. In the west, the political cycle is four years. Russia's advantage is that it can wait,” he noted.

## **BBC NEWS**

Since 2018, the United States has been tightening its laws to prevent its rivals from buying into its sensitive sectors — blocking investments in everything from semiconductors to telecommunications. But the rules weren't always so strict. In 2016, Jeff Stein, a veteran journalist covering the US intelligence community, got a tip-off: a small insurance company that specialised in selling liability insurance to FBI and CIA agents had been sold to a Chinese entity.

“Someone with direct knowledge called me up and said, ‘Do you know that the insurance company that insures intelligence personnel is owned by the Chinese?’” he remembers. “I was astonished!” In 2015, the insurer, Wright USA, had been quietly purchased by Fosun Group, a private company believed to have very close connections with China's leadership. US concerns became immediately clear: Wright USA was privy to the personal details of many of America's top secret service agents and intelligence officials. No one in the US knew who might have access to that information now the insurer and its parent, Ironshore, were Chinese-owned.

### **MIS**

The Ministry of Defence (MoD) will unify all of its intelligence services under a single organisation, as part of its strategy to combat “escalating threats” from adversaries of the UK. Units from the Royal Navy, British Army, Royal Air Force, UK Space Command, and Permanent Joint Headquarters will join to form the Military Intelligence Services (MIS). The reform will speed up how information is “gathered, analysed and shared” across the military, after hostile intelligence activity against the MoD rose more than 50% in the past year, the ministry said. The launch of the MIS follows recommendations from the Strategic Defence Review, a major review of the armed forces that was published in June.

The MIS will be established alongside a new Defence Counter-Intelligence Unit, consolidating counter-intelligence professionals in one unit to “disrupt and deter hostile activity more effectively”.

## **Polish TV News**

Russia is developing a large-scale signals intelligence (SIGINT) facility in its Kaliningrad exclave to expand electronic surveillance capabilities near NATO's eastern flank.

The installation, currently under construction near the town of Chernyakhovsk, is located less than 100 kilometers from NATO member states Poland and Lithuania. According to Ukrainian broadcaster TSN and military analysis site Tochnyi, satellite imagery shows an expansive network of antennas arranged in circular formations, forming what experts say could become one of Europe's most powerful interception hubs.

Analysts warn the facility's strategic position will enable Russia to intercept a wide array of military and civilian communications across neighboring NATO countries, including Poland, Lithuania and German

“From this site, Russia will be able to monitor tactical transmissions, radar networks and even elements of civilian infrastructure across the alliance,” Tochnyi reported.

Beyond intelligence gathering, defense experts say that the site could bolster Russia's capability to disrupt NATO's command, control and communications in the event of a conflict. Kaliningrad, a heavily militarized enclave wedged between NATO territories, already hosts a dense network of missile systems

and radar installations. The new SIGINT complex adds to Moscow's efforts to solidify its strategic posture along NATO's border.

Earlier this year, Polish researchers identified other Russian electronic-warfare infrastructure in the region, including coastal antenna arrays believed to be responsible for GNSS (Global Navigation Satellite System) disruptions affecting both civilian and military navigation in the Baltic Sea.

### **Polish news**

Poland's prime minister has said an explosion on a railway line leading to the Ukraine border this weekend was caused by "an unprecedented act of sabotage", and vowed to catch those responsible "regardless of who their backers are".

Visiting the scene on Monday, Donald Tusk said the damage done to the railway tracks on Sunday was deliberate and likely aimed at blowing up the train. He expressed relief there were no casualties. After an emergency meeting of security officials on Monday, Poland's special services minister did not initially name Russia directly, but said there was a "very high chance" that the blast was carried out on the orders of "foreign services".

### **German News**

Russian intelligence services are using Telegram, among other social media platforms, to recruit so-called "low-level agents" in Germany for small acts of sabotage, surveillance or provocation. Even a simple click or like can put users on the radar of Moscow's intelligence agencies.

Russia is recruiting saboteurs across Europe through Telegram by monitoring pro-Kremlin channels to identify potential "low-level agents" and offering small payments for tasks like photographing military sites or starting fires, Germany's intelligence chief warned during a parliamentary hearing of the country's intelligence chiefs in the Bundestag. Europe is living through a period of "ice cold peace" that "could at any moment turn into open confrontation", the head of foreign intelligence service BND, Martin Jäger, warned at the event.

More broadly, there are thousands of Telegram channels that share videos, news, and other information, often in favour of Russia's war of aggression, but also on topics such as migration in Europe and the treatment of Ukrainian refugees. Many channels allow users to comment on posts or "like" them.

According to Ukrainian cyber expert Kostyantyn Korsun, this sort of online activity can put users on the radar of Russian intelligence services. According to him, they can monitor conversations in Telegram channels, identify users and administrators by their IDs, and track which channels they follow.

"This creates detailed profiles of millions of users automatically, capturing what they believe, like, or dislike," Korsun told Euronews. Specialised software enables Russian services to monitor thousands of channels simultaneously, assessing how loyal individual users are to Russia and their political attitudes. Based on that, they can estimate how many people might be of interest to the Russian services, he added.

The next step is the first direct point of contact. When a Telegram channel regularly posts pro-Russian content or favourable coverage of the war in Ukraine, intelligence officers can identify and tag users — later reaching out to them, either publicly or in private, and sometimes recruiting them.

At this stage, the contact is psychological," Korsun explained. "They assess whether a potential agent could provide intelligence, take photos, or even assist in operations. "Once identified, communication may move from Telegram to more secure messengers like Signal or Wire. Early contact often starts on Telegram because it is open, but later stages rely on encrypted platforms. It is not possible for anyone except those operating a channel to identify its subscribers. It is also impossible to see a list of channels that a user follows", Telegram said in a statement to Euronews..

In most cases, the Federal Intelligence Service (BND) or the domestic intelligence agency BfV can monitor channels, analyse and document public content without intervention. But once communication moves to private chats, things get complicated: any attempt to access end-to-end encrypted conversations runs up against both legal and technical barriers, especially on Telegram.

### **Ukraine Media**

According to investigators, a 34-year-old resident of Konotop became a subject of the case after the invaders noticed her during attempts to find easy money in Telegram channels. After recruitment, she, for money from the Russian intelligence services, purchased radio-navigation equipment and configured it to the frequencies required by the enemy. The agent identified abandoned buildings, entered them, and installed radio beacons on their roofs.

With the help of such devices the enemy obtained stable communication for drones and missiles, enabling them to bypass Ukraine's electronic warfare system. The offender sent photographs and coordinates of local military units to her handlers; near one of the regional air bases she placed a hidden 4G camera with online streaming for Russian authorities.

Thus the Russians attempted to monitor the flight operations of Ukraine's Armed Forces' combat aviation and the consequences of strikes in the border zone. SBU officers uncovered the agent, tracked her actions step by step, and detained her. Measures were taken to neutralize espionage devices and to secure the Defense Forces' basing sites. Six smartphones that she used for covert communication with her handler were seized from the detainee. The suspect is currently in custody without bail; she faces life imprisonment with confiscation of property. This case underscores the scale of the enemy's reconnaissance networks and the importance of strengthening security measures at key defense facilities.

### **Latvian News**

Latvia's intelligence agency has issued a public warning about potential Russian saboteurs and spies operating within the country, disguised as tourists or hikers. The Defence Intelligence and Security Service (MIDD) released a list of characteristics in its annual report Wednesday, urging citizens to be vigilant amid heightened regional tensions and a series of unexplained incidents.

The MIDD describes these individuals as potentially appearing unkempt, carrying excessive gear, or - sporting military haircuts and survival equipment while demonstrating a lack of outdoor skills. They might ask unusual questions of locals, loiter near sensitive sites like military bases or infrastructure, or pose as humanitarian workers. Their presence in remote areas without any apparent interest in nature could also be a red flag.

The agency further advises the public to be wary of individuals carrying specialized medical kits, maps, or radios — items more commonly associated with clandestine operations than recreational activities. This warning comes 'against a backdrop of increased regional tensions and several incidents of arson and sabotage that Western governments attribute to Russia, though Moscow denies involvement. The Latvian guidance comes as countries across the region, including new NATO members Sweden and Finland, have been issuing booklets with advice on how to survive war or a natural disaster.

## **BBC Ukraine**

In July this year a 17-year-old travelled 500 miles from his home in eastern Ukraine to collect a bomb and a phone hidden in a park in the western city of Rivne. He says he was promised \$2,000 (£1,520) to plant the bomb in a van used by Ukraine's military conscription service.

"When I was connecting the wires, I thought it could explode then. I thought I might die," he told the BBC. Vlad is one of hundreds of children and older teenagers who the Ukrainian government alleges have been recruited online by Russia, and offered payment to carry out sabotage and other attacks against their own country. His name has been changed to protect his anonymity. He says he was told to set up the phone to live-stream the scene to his handler so they could remotely detonate the device when somebody entered the vehicle. However, Ukraine's SBU security service had been watching and foiled the attack. Viad - now 18 - is awaiting trial on terrorism charges that potentially carry a 12-year prison sentence. Sitting in Rivne's heavily guarded detention centre with his lawyer beside him, he acknowledges that he could have helped kill somebody. "I did think about it. But nobody likes conscription officers," he says. "I thought: Well, I'll be like everyone else." The SBU says that over the last two years more than 800 Ukrainians have been identified as having been recruited by Russia - 240 of them minors, some as young as 11.

However, cyber security expert Anastasiia Apetyk, who teaches courses about internet safety in Ukraine, is aware of even younger cases. "They tried to recruit children aged nine or 10," she says. Andriy Nebytov, Deputy Head of Ukraine's National Police, says there is a deliberate strategy to seek out the vulnerable who can be manipulated. "Children do not always fully realise the consequences of their actions," he says. "The enemy is not ashamed of using minors for making explosives out of household chemicals, planting them in various locations such as army recruitment offices or police stations." The SBU says recruitment primarily takes place on the Telegram app, but also on TikTok, and even on video game platforms. Officials say those who are recruited are almost always motivated by money rather than pro-Russian sympathies.

Vlad says he does not support Russia and had no previous involvement with crime. He had joined two Telegram channels and posted that he was looking for remote work. Within half an hour, a man calling himself Roman replied. When they later talked on the phone, Vlad says Roman spoke Russian with a street accent. One account we contacted immediately offered payment, either in cryptocurrency or via bank transfer, to carry out arson. We were told to contact a second account for more details and then received a message with a price list detailing how much they offered to pay for different targets. The payments ranged from \$1,500 for setting fire to a post office to \$3,000 for a bank. Banks were worth more, they explained, because security glass made them harder to attack.

"You either need to pour petrol inside or throw a few Molotov cocktails inside," the account advised. But even ordinary Ukrainians looking for employment can find themselves offered money to carry out sabotage. We found adverts offering high pay for unspecified part time work posted in a variety of unrelated Ukrainian Telegram groups, including some geared at refugees and even beauty tips. When we followed one up, a recruiter again offered thousands of dollars for arson attacks and asked us to send videos as proof. "I need all the arson I can get," they messaged. "Finding a reliable person is far more difficult than parting with money. That's why I pay exactly what I say and I do it very quickly, usually within a couple of hours after receiving the video."

The BBC reported a number of these channels, accounts, chats and bots to Telegram, which removed a few but not most of them. One of the channels that is still active has grown by over 750 subscribers since we started monitoring it, meanwhile an account that we told Telegram had directly offered us payment for an arson attack is still live. In a statement, Telegram said: "Calls to violence or destruction of property are explicitly forbidden on Telegram and are immediately removed whenever discovered."

## **The Telegraph**

Ukraine is using music to bring down Vladimir Putin's "invincible" hypersonic missiles. An electronic warfare team is jamming satellite signals on Russian weapons and replacing them with a song that parodies Russian propaganda. Night Watch, the group operating the technology, claims to have brought down 19 Kinzhal missiles — described by Putin as "invincible" — in the past two weeks.

The team told technology website 404 Media that it is using a song and a redirection order to knock the "next-generation" missiles, which carry a 480kg payload and cost around £7.7m each, out of the sky.

Kinzhals and other guided munitions rely on the GLONASS system — Russia's GPS-style navigation network using satellites — to find their targets. Night Watch developed its own "Lima" jamming system that replaces the missiles' satellite navigation signals with the Ukrainian song "Our Father is Bandera".

Night Watch claims to have brought down 19 Kh-47M2 Kinzhal missiles over the last two weeks. The song was chosen as a dig at alarmist Russian propaganda, which has tried to portray all Ukrainians as supporters of the 20th-century Ukrainian nationalist leader Stepan Bandera. When the song begins, the Lima system feeds the incoming missiles a false navigation signal, tricking them into believing that they are flying over Lima, in Peru, so that they attempt to change their trajectory.

Travelling at a speed of more than 4,000 miles per hour, however, the missiles become destabilised by the abrupt and unexpected change of course. Night Watch said they developed the system after discovering that the Kinzhals used a controlled reception pattern antenna (CRPA), an antiquated type of technology for resisting, jamming and spoofing. The team told 404: "They had the same type of receivers as old Soviet missiles used to have.

"The airframe cannot withstand the excessive stress and the missile naturally fails. When the Kinzhal tried to quickly change navigation, the fuselage of this missile was unable to handle the speed ... and, yeah, it was just cut into two parts." "The biggest advantage of those missiles, speed, was used against them." A Night Watch source told Forbes that on another occasion a missile had been lured 200km off course from the airfield that was the target of the strike. Night Watch said that Russia was attempting to increase the number of receivers on the missiles, in some cases doubling them, to make them less vulnerable, but maintained that this would not inhibit efforts to bring them down. Vladimir Putin described the Kinzhal, which has a range of up to 2,000km, as "invincible" and "an ideal weapon" in 2018. Even Joe Biden, the former US president, said in 2022 that "it's almost impossible to stop it".

## **Lithuanian Press**

Lithuania has declared a "state of emergency" in response to waves of smuggler balloons being launched from Belarus as part of Russia's hybrid war campaign. The order will give the army, the police and border force new powers to stop and search vehicles and carry out document checks, as they hunt for the rogue balloonists. The recent wave of several hundred balloon launches has forced Vilnius airport to close at least nine times, leading to air traffic and travel chaos for Lithuanians. The balloons are launched by smugglers who operate on both sides of the border between Lithuania and Belarus, a key ally of Russia. They are usually attached to crates of cigarettes, launched from Belarus, and then collected in Lithuania, where the cigarettes are sold on the black market.

## **Lost Property (Not another Iraqi passport!)**

A recent New York Times report sheds light on a 1965 CIA-led operation that led to the loss of a nuclear-powered device on one of the tallest peaks in the Himalayas.

The surveillance equipment — which according to the Times was powered by roughly a third of the total amount of plutonium used for the bomb dropped on Nagasaki — was abandoned on an ice shelf near the 25,645-foot peak (7,816 meters) of Nanda Devi, just inside India's border with China, where it was meant to intercept radio signals from the communist country's missile launches and tests. A team of American and Indian climbers and spies, under the cover of a scientific mission, had urgently set off in September after China tested a nuclear bomb in the desert within its border, and just beyond the mountain range, earlier that year.

Nanda Devi is the second highest mountain in India and the 23rd highest peak in the world. It took fifty years for climbers to properly map out a route to the summit, and it was the highest mountain climbed when it was finally conquered in 1936. Even the team of expert climbers assembled by the CIA and Indian intelligence services went into the mission feeling that it was a significant gamble. "I told them it would be, if not impossible, extremely difficult," Indian military captain M.S. Kohli recalled to the Times about his conversations with American officials planning the operation.

Kohli's doubts were proven correct on Oct. 16 when the team of climbers was hit with a blizzard near the summit on the Nanda Devi's southwestern ridge. Sonam Wangyal, one of the Indian intelligence officers up there that day, said they were "99 percent dead" from exhaustion when the storm struck, which was falling so thick and fast that he could not see the man next to him or his rope. Kohli, down at the base camp, radioed the order to the team to make their way back and abandon the equipment.

That fateful decision remained hotly debated by the surviving members of the operation interviewed by the Times. American climber Jim McCarthy maintained that at 50 pounds, the nuclear generator was light enough to be carried down, but Wangyal disagreed, saying that in the conditions they faced that day, "you can't carry an extra needle."

A return expedition in 1966 to retrieve the generator revealed that the entire shelf of ice and rock where it had been tied down was gone, possibly swept away by an avalanche. Repeated attempts in the following years proved fruitless as well, even with radiation- and metal detectors. McCarthy posited that the warmth given off by the nuclear device melted the ice around it, causing it to sink. Captain Kohli confirmed that this is indeed what happened to another device that was eventually set up on a smaller peak in the area.

The lost nuclear generator on Nanda Devi remains an ongoing source of tension today in India. Captain Kohli blamed the heat given off by the generator for a landslide in a village near the peak that killed over 200 people, though environmental scientists surmise that climate change on its own could have plausibly created the crack in the glacier that led to that disaster. While scientists maintain that concerns about the generator poisoning the hundreds of millions of people dependent on the Ganges River are overblown, given the sheer volume of water in which it would be diluted, they still see risks for people living near the stream that flows into it from Nanda Devi.

When breathed in or swallowed, plutonium is known to cause a variety of cancers in humans. McCarthy attributed the testicular cancer that afflicted him after the mission to radiation exposure, given that he has no family history of the disease. Another major concern is that the plutonium could wind up in the wrong hands and possibly be used for a "dirty bomb" — a nuclear weapon with a much smaller blast range, but that would spread greater amounts of radiation.

The aftermath of the mission led to high-level talks between President Jimmy Carter and Prime Minister Moraji Desai in search of a solution, but to no avail. Dangers surrounding the generator have returned into focus recently as India develops the region with dams and roads and the country pushes tourism in the area. "Once and for all, this device must be excavated and the fears put to rest," said the region's tourism minister, Satma Maharaj

*Thanks 'E'*

## State Papers: Telecom companies opposed govt plan to shut down networks

Updated / Sunday, 28 Dec 2025 12:30

By Fiachra Ó Cionnaith Harry Manning Evelyn O'Rourke

<https://www.rte.ie/news/ireland/2025/1228/1549826-state-papers-telecom/>

A government plan to temporarily block mobile phone networks to prevent a bomb being set off in Northern Ireland by a call or text message in the Republic was opposed by some telecom companies due to the impact on customers and potential technology costs involved.

Instead, the companies said they could only "defend this course of action" which would involve "denying service to their customers" if it was ordered by a new law and if the State paid for any technology needed to introduce the safety measure.

The situation is outlined in the latest annual release of State Paper files to the National Archives of Ireland, which have been made public for the first time today.

Among the files is a confidential 11 January 2005 An Garda Síochána briefing note to then-minister for justice Michael McDowell before his meeting with Britain's then-secretary of state to Northern Ireland Paul Murphy.

The note stated that "for some time now authorities in Northern Ireland and the United Kingdom have been in consultation with authorities here concerning the possible implementation of techniques to counter the threat posed by improvised explosive devices (IEDs)".

The briefing note said these devices "use mobile phone technology as a means of remotely controlling detonation", and that as such "a voicecall, text message etc to the mobile phone provides the necessary trigger for the detonator of the device to which the mobile phone is physically attached".

Officials said the threat posed by the devices could be mitigated by either "isolating" the specific mobile phone meant to receive the message, or by "withdrawing mobile phone services within a specified geographical area".

The briefing note said option one is "only an option where the mobile phone number is known with absolute certainty", meaning in reality option two "is the only means of ensuring detonation cannot be effected".

Due to the fact mobile networks cross the border, officials said Northern authorities were "anxious" to extend the "Operation Amber" network blocking technique to both sides of the border in rare and extreme situations.

However, despite the briefing note saying this discussion had taken place since 2002, it explained: "Unlike their UK counterparts, which were prepared to participate in initial, practical exercises of service withdrawal without legal or financial indemnity, the Irish telecommunications service providers are unwilling to countenance any such action."

The note continued: "The Irish telecommunications service providers argue that as they may be required to interrupt network coverage to specified geographical areas, thereby denying service to their customers, they consider that they could only defend this course of action if it is performed under a legal obligation imposed by the State."

The note said while Section 110 of the Postal and Telecommunications (Services) Act 1983 allowed the State to direct phone companies to take decisions for specific crime-prevention related reasons, in early 2005 the attorney general had advised government this law "could not be used in relation to Operation Amber and that new primary legislation would be required".

The note continued that the situation was "further complicated by the question of funding", with officials saying "one of the Irish service providers [Vodafone] has already indicated in writing that it would not countenance developing the capacity to effect the techniques of Operation Amber without full reimbursement by the State".

While the latest annual State papers files release to the National Archives of Ireland is under the 30-year rule, meaning documents specifically related to the Republic are from or before 1995, files related to Northern Ireland can include those up to 2005.

This is because Britain release its files, including those on Northern Ireland, after 20 years.

<https://www.rte.ie/news/ireland/2025/1228/1549826-state-papers-telecom/>

*Thanks MaleAnonNI*



# Morse Stations

All frequencies listed in kHz. Freqs are generally +/- 1k

This is a representative sample of the logs received, giving an indication of station behaviour and the range of times/freqs heard. These need to be read in conjunction with any other articles/charts/comments appended to this issue.

## Morse - Number Stations

**M01/ 1** XIV MCW, hand (197 sched for Nov - Feb). Will change to M01/2 sched ID 463 for Mar - Apr.

From the beginning of October 2022, all M01 transmissions sent have used a single carrier vs usual 'Two-Tone' transmission mode.

### M01 Takes a Break

There was some concern for the future of M01 transmissions when the station went silent following the successful reception of the 06 November mid-week transmissions. The break continued for the rest of November & into December, returning to normal on Tuesday, 16 December.

The cause of the break was most likely transmitter maintenance, either routine or due to breakdown. Whatever it was, we were pleased to hear the '197' call back on schedule once again.

### November 2025:

|      |       |        |                                                |                                                       |        |     |
|------|-------|--------|------------------------------------------------|-------------------------------------------------------|--------|-----|
| 4490 | 2000z | 04 Nov | '197' 045 30 == 09323 94832 ... 75849 95847 == | Good, fast. Excellent Morse. Several errors mid-msg.  | BR     | TUE |
|      | 2000z | 11 Nov | NRH                                            |                                                       | BR     | TUE |
|      | 2000z | 18 Nov | NRH                                            |                                                       | BR     | TUE |
|      | 2000z | 20 Nov | NRH                                            |                                                       | BR     | THU |
|      | 2000z | 25 Nov | NRH                                            |                                                       | BR     | TUE |
|      | 2000z | 27 Nov | NRH                                            |                                                       | BR     | THU |
| 5320 | 1800z | 06 Nov | '197' 567 30 == 84932 37283 ...                | Fair, noisy with QSB. Started fair faded out by grp17 | BR/HFD | THU |
|      | 1800z | 13 Nov | NRH                                            |                                                       | BR     | THU |
|      | 1800z | 18 Nov | NRH                                            |                                                       | BR     | TUE |
| 5465 | 0700z | 02 Nov | '197' 658 30 == 65748 25504 ... 85896 73859 == | Weak with QSB. Fast delivery. Poor copy throughout    | BR/HFD | SUN |
| 5810 | 1500z | 01 Nov | '197' 055 30 == 45362....                      |                                                       | HFD    | SAT |
|      | 1500z | 08 Nov | NRH                                            |                                                       | BR     | SAT |
|      | 1500z | 15 Nov | NRH                                            |                                                       | BR     | SAT |
|      | 1500z | 22 Nov | NRH                                            |                                                       | BR     | SAT |

### December 2025:

|             |       |        |                                                 |                                                          |        |     |
|-------------|-------|--------|-------------------------------------------------|----------------------------------------------------------|--------|-----|
| 4490        | 2000z | 02 Dec | NRH                                             |                                                          | BR     | TUE |
|             | 2000z | 11 Dec | NRH                                             |                                                          | BR     | THU |
|             | 2000z | 16 Dec | '197' 456 30 == 83744 75648 ... 57683 54632 ==  | Fair with QSB. Hesitant at times. Errors grps10 - 11     | BR/HFD | TUE |
| <b>4480</b> | 2000z | 18 Dec | '197' 880 30 == 49867 23144 ... 35346 43 .43 == | Weak, fast. Errors noted. On 4480kHz vs 4490kHz          | BR     | THU |
| 4490        | 2000z | 23 Dec | '197' 850 30 == 64082 17490 ... 90983 26279 ==  | Weak, fast. Pauses noted. Poor copy. Back on 4490        | BR     | TUE |
|             | 2000z | 25 Dec | '197' V.Weak - No useful copy                   |                                                          | BR     | THU |
|             | 2000z | 30 Dec | NRH                                             |                                                          | BR     | TUE |
| 5320        | 1800z | 02 Dec | NRH                                             |                                                          | BR     | TUE |
|             | 1800z | 11 Dec | NRH                                             |                                                          | BR     | THU |
|             | 1800z | 16 Dec | '197' 123 30 == 21435 56879 ... 24354 25346 ==  | Fair with QSB. Weak to start. Hesitant at times          | BR/HFD | TUE |
|             | 1800z | 23 Dec | NRH                                             |                                                          | BR     | TUE |
| 5465        | 0700z | 14 Dec | '197' 543 30 == 43762....                       |                                                          | HFD    | SUN |
| 5810        | 1500z | 06 Dec | NRH                                             |                                                          | BR     | SAT |
|             | 1500z | 13 Dec | NRH                                             |                                                          | BR     | SAT |
|             | 1500z | 27 Dec | '197' 175 30 == 27482 09341 ... 38030 85279 ==  | Fair, fast. Start & ending good. Several errors mid-msg. | BR/HFD | SAT |

**M12** IB ICW, some MCW / CW, short 0. Reuses many freqs year on year.

New ID's may be only for the month/sched shown, but not necessarily unknown. The reason for their reuse, some after long periods of time is unknown.

### Changes & observations Some notes from HFD:-

|         |                                                |                            |                                        |                                                                                   |                            |                  |            |
|---------|------------------------------------------------|----------------------------|----------------------------------------|-----------------------------------------------------------------------------------|----------------------------|------------------|------------|
| Mon/Fri | 16152/14537/13461 kHz<br>14736/13478/12195 kHz | 0200/20/40z<br>0200/20/40z | ID 154 previously<br>ID 741 previously | 16275/15975/14675 kHz<br>14947/13447/12147 kHz                                    | 0010/30/50<br>0010/30/50z  | ID 296<br>ID 941 | Nov<br>Dec |
| Fri/Sat | 7893/ 8132/ 9263 kHz<br>6871/ 7795/ 8187 kHz   | 2100/20/40z<br>2100/20/40z | ID 812 previously<br>ID 871 previously | 6859/7459/9959 kHz<br>5832/ 6832/ 7732 kHz                                        | 2100/20/40z<br>2200/20/40z | ID 849<br>ID 887 | Nov<br>Dec |
| Wed/Fri | 6917/ 5817/ 5117 kHz<br>6792/ 5892/ 5092 kHz   | 2000/20/40z<br>2000/20/40z | ID 981 - Ceased<br>ID 780 - Ceased     |                                                                                   |                            |                  |            |
| Mon     | 13409/12195/11526 kHz                          | 1230/1250/1310z            | ID 397                                 | Ceased mid-September<br>(Previously 13386/12189/11491 kHz 1230/1250/1310z ID 725) |                            |                  |            |

**Asiatic M12 Logs**

|                          |                    |               |              |                 |     |     |
|--------------------------|--------------------|---------------|--------------|-----------------|-----|-----|
| <b>16152/14537/13461</b> | <b>0200/20/40z</b> | <b>03 Nov</b> | <b>154 1</b> | (Via SDR Japan) | HFD | MON |
| 16184/14784/ - - -       | 0300/20/40z        | 04 Nov        | 174 000      | (Via SDR Japan) | HFD | TUE |
| <b>14736/13478/12195</b> | <b>0200/20/40z</b> | <b>01 Dec</b> | <b>741 1</b> | (Via SDR Japan) | HFD | MON |
| 14354/12154/11154        | 0300/20/40z        | 02 Dec        | 311 1        | (Via SDR Japan) | HFD | TUE |

**European M12 Logs****November 2025:**

New scheds in bold type

|                          |                    |               |                         |                        |                |     |
|--------------------------|--------------------|---------------|-------------------------|------------------------|----------------|-----|
| <b>7893/8132/9263</b>    | <b>2200/20/40z</b> | <b>01 Nov</b> | <b>812 1 (7882 207)</b> | <b>33886 68577....</b> | BR/HFD         | SAT |
|                          | <b>2200/20/40z</b> | <b>07 Nov</b> | <b>812 1 (7257 55)</b>  | <b>92331 57473...</b>  | BR             | FRI |
|                          | 2200/20/40z        | 08 Nov        | 812 1 (7257 55)         | 92331 57473...         | V.poor copy BR | SAT |
|                          | 2200/20/40z        | 14 Nov        | 812 1 (7257 55)         | 92331 57473...         | BR             | FRI |
|                          | 2200/20/40z        | 21 Nov        | 812 1 (4381 184)        | 51672 13904....        | BR             | FRI |
|                          | 2200/20/40z        | 28 Nov        | 812 1 (4381 184)        | 51672 13904....        | BR             | FRI |
|                          | 2200/20/40z        | 29 Nov        | 812 1 (4381 184)        | 51672 13904....        | BR             | SAT |
| <b>10446/9046/7946</b>   | <b>2300/20/40z</b> | <b>03 Nov</b> | <b>392 000</b>          |                        | HFD            | MON |
|                          | 2300/20/40z        | 06 Nov        | 392 000                 |                        | BR             | THU |
|                          | 2300/20/40z        | 10 Nov        | 392 1 (732 168)         | 39078 09336....        | BR             | MON |
|                          | 2300/20/40z        | 13 Nov        | 392 1 (732 168)         | 39078 09336....        | BR             | THU |
|                          | 2300/20/40z        | 17 Nov        | 392 1 (732 168)         | 39078 09336....        | BR             | MON |
|                          | 2300/20/40z        | 20 Nov        | 392 1 (732 168)         | 39078 09336....        | BR             | THU |
|                          | 2300/20/40z        | 24 Nov        | 392 1 (152 93)          | 35072 72746....        | BR             | MON |
|                          | 2300/20/40z        | 27 Nov        | 392 1 (152 93)          | 35072 72746....        | BR             | THU |
| <b>10713/11568/12165</b> | <b>1100/20/40z</b> | <b>04 Nov</b> | <b>657 1 (3041 61)</b>  | <b>42903 47676....</b> | BR/HFD         | TUE |
|                          | 1100/20/40z        | 11 Nov        | NRH                     |                        | BR             | TUE |
|                          | 1100/20/40z        | 18 Nov        | NRH                     |                        | BR             | TUE |
|                          | 1100/20/40z        | 25 Nov        | NRH                     |                        | BR             | TUE |
| <b>11564/10487/9319</b>  | <b>1800/20/40z</b> | <b>06 Nov</b> | <b>258 1 (3339 72)</b>  | <b>79133 .9583....</b> | BR/HFD         | THU |
|                          | 1800/20/40z        | 13 Nov        | 258 1 (8648 75)         | 56278 77863....        | BR             | THU |
| <b>12135/11452/10627</b> | <b>1900/20/40z</b> | <b>01 Nov</b> | <b>573 1 (3943 54)</b>  | <b>59392 40454....</b> | BR/HFD         | SAT |
|                          | 1900/20/40z        | 05 Nov        | 573 1 (7374 51)         | 18021 22699....        | BR             | WED |
|                          | 1900/20/40z        | 12 Nov        | NRH                     |                        | BR             | WED |
|                          | 1900/20/40z        | 15 Nov        | NRH                     |                        | BR             | SAT |
|                          | 1900/20/40z        | 19 Nov        | NRH                     |                        | BR             | WED |
|                          | 1900/20/40z        | 22 Nov        | NRH                     |                        | BR             | SAT |
|                          | 1900/20/40z        | 26 Nov        | NRH                     |                        | BR             | WED |
| <b>13373/1217310273</b>  | <b>2310/30/50z</b> | <b>02 Nov</b> | <b>312 000</b>          |                        | HFD            | SUN |
|                          | 2310/30/50z        | 09 Nov        | Unusable                |                        | V.Poor copy BR | SUN |
|                          | 2310/30/50z        | 12 Nov        | NRH                     |                        | BR             | SUN |
|                          | 2310/30/50z        | 16 Nov        | 312 1 (203 155)         | 45853 84389....        | V.Poor copy BR | SUN |
|                          | 2310/30/50z        | 19 Nov        | NRH                     |                        | BR             | WED |
|                          | 2310/30/50z        | 26 Nov        | NRH                     |                        | BR             | WED |
|                          | 2310/30/50z        | 30 Nov        | 312 1                   |                        | V.poor copy BR | SUN |

**December 2025:**

|                         |                    |               |                         |                        |                   |     |
|-------------------------|--------------------|---------------|-------------------------|------------------------|-------------------|-----|
| <b>6897/7795/8187</b>   | <b>2200/20/40z</b> | <b>05 Dec</b> | <b>871 1</b>            |                        | HFD               | FRI |
|                         | <b>2200/20/40z</b> | <b>06 Dec</b> | <b>871 1 (1362 123)</b> | <b>54925 22132....</b> | BR                | SAT |
|                         | 2200/20/40z        | 12 Dec        | 871 1 (1362 123)        | 54925 22132....        | BR                | FRI |
|                         | 2200/20/40z        | 13 Dec        | 871 1 (1362 123)        | 54925 22132....        | BR                | SAT |
|                         | 2200/20/40z        | 19 Dec        | 871 1 (4395 159)        | 34046 25918....        | BR                | FRI |
|                         | 2200/20/40z        | 20 Dec        | 871 1 (4395 159)        | 34046 25918....        | BR                | SAT |
|                         | 2200/20/40z        | 26 Dec        | 871 1 (4395 159)        | 34046 25918....        | BR                | FRI |
|                         | 2200/20/40z        | 27 Dec        | 871 1 (4395 159)        | 34046 25918....        | BR                | SAT |
| <b>9134/8134/7534</b>   | <b>2300/20/40z</b> | <b>04 Dec</b> | <b>457 1 (2274 213)</b> | <b>29601 37546....</b> | BR/HFD            | THU |
|                         | 2300/20/40z        | 08 Dec        | 457 1 (2274 213)        | 29601 37546....        | BR                | MON |
|                         | 2300/20/40z        | 11 Dec        | 457 1 (2274 213)        | 29601 37546....        | BR                | THU |
|                         | 2300/20/40z        | 15 Dec        | 457 000                 |                        | BR                | MON |
|                         | 2300/20/40z        | 18 Dec        | 457 000                 |                        | BR                | THU |
|                         | 2300/20/40z        | 25 Dec        | 457 1 (2723 76)         | 47338 77389....        | BR                | THU |
|                         | 2300/20/40z        | 29 Dec        | 457 000                 |                        | BR                | MON |
| <b>11129/10329/9329</b> | <b>2310/30/50z</b> | <b>03 Dec</b> | <b>133 1 (3930 262)</b> | <b>24814 74022....</b> | BR/HFD            | WED |
|                         | 2310/30/50z        | 07 Dec        | 133 1 ( .930 . . . )    | . . . . .              | Very poor copy BR | SUN |
|                         | 2310/30/50z        | 10 Dec        | 133 1 (9389 207)        | 22466 21302....        | BR                | WED |
|                         | 2310/30/50z        | 14 Dec        | 133 1 (9389 207)        | 22466 21302....        | BR                | SUN |
|                         | 2310/30/50z        | 21 Dec        | 133 1 (816 83)          | 1820 . 890 .0....      | BR                | SUN |
|                         | 2310/30/50z        | 24 Dec        | 133 1 (5260 150)        | 41619 93885....        | BR                | WED |
|                         | 2310/30/50z        | 28 Dec        | 133 1 ( . . . . . )     | . . . . .              | Very Weak BR      | SUN |

|                          |                    |               |                         |                                     |                      |        |     |
|--------------------------|--------------------|---------------|-------------------------|-------------------------------------|----------------------|--------|-----|
|                          | 2310/30/50z        | 31 Dec        | 133 1 (958 189)         | 79257 82275....                     |                      | BR     | WED |
| 11564/10487/9319         | 1800/20/40z        | 18 Dec        | 258 1 (5598 85)         | 41619 78945....                     |                      | BR     | THU |
| <b>12135/11452/10627</b> | <b>1900/20/40z</b> | <b>08 Dec</b> | <b>573 1 (7415 114)</b> | <b>37.41 13682....</b>              | Poor copy            | BR     | MON |
|                          | 1900/20/40z        | 10 Dec        | NRH                     |                                     |                      | BR     | WED |
|                          | 1900/20/40z        | 14 Dec        | 573 1 (7415 114)        | 68341 13682 ... 14616 82031 000 000 | Weak                 | AB     | SUN |
|                          | 1900/20/40z        | 15 Dec        | 573 1 (9751 111)        | 14229 30303 ... 81551 12089 000 000 |                      | AB/BR  | MON |
|                          | 1900/20/40z        | 17 Dec        | NRH                     |                                     |                      | BR     | WED |
|                          | 1900/20/40z        | 20 Dec        | NRH                     |                                     |                      | BR     | SAT |
|                          | 1900/20/40z        | 22 Dec        | 573 1 (1684 110)        | 31607 81003....                     |                      | BR     | MON |
|                          | 1900/20/40z        | 24 Dec        | NRH                     |                                     |                      | BR     | WED |
|                          | 1900/20/40z        | 29 Dec        | 573 1 (4270 107)        | 33010 . 506 ....                    | 12135kHz not audible | BR/HFD | MON |
|                          | 1900/20/40z        | 31 Dec        | NRH                     |                                     |                      | BR     | WED |

| M12 12135/11452/10627kHz 1900/20/40z 14 December 2025       |  |  |  |  |  |  |  |  |  |  |  |  |
|-------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|
| 573 573 573 1 (R2m) 7415 114 7415 114                       |  |  |  |  |  |  |  |  |  |  |  |  |
| 68341 13682 15772 07628 90279 13854 44591 74410 16921 54762 |  |  |  |  |  |  |  |  |  |  |  |  |
| 91918 10854 35608 20228 04954 28190 53424 98624 66124 54239 |  |  |  |  |  |  |  |  |  |  |  |  |
| 24389 54120 70821 25801 31911 25092 94819 01565 09976 01363 |  |  |  |  |  |  |  |  |  |  |  |  |
| 24537 43259 36351 17627 59879 62744 91412 44980 42644 95298 |  |  |  |  |  |  |  |  |  |  |  |  |
| 94681 76652 91377 96464 50446 38226 49352 51871 07148 81883 |  |  |  |  |  |  |  |  |  |  |  |  |
| 44182 72435 93103 28387 49975 04221 42859 89969 75715 65187 |  |  |  |  |  |  |  |  |  |  |  |  |
| 20033 43026 64434 15558 30224 48458 74501 17981 60347 42208 |  |  |  |  |  |  |  |  |  |  |  |  |
| 36776 08444 55979 70825 59556 47736 62742 74356 75353 93683 |  |  |  |  |  |  |  |  |  |  |  |  |
| 75738 42947 94415 28091 57180 52101 50355 07964 67650 55657 |  |  |  |  |  |  |  |  |  |  |  |  |
| 19885 01442 69263 77456 75264 51655 12217 75818 66240 01988 |  |  |  |  |  |  |  |  |  |  |  |  |
| 63724 31371 91522 64939 45107 35737 16456 2227_ 68829 02239 |  |  |  |  |  |  |  |  |  |  |  |  |
| 41478 68502 14616 82031 000 000                             |  |  |  |  |  |  |  |  |  |  |  |  |
| Courtesy AB                                                 |  |  |  |  |  |  |  |  |  |  |  |  |

| M12 12135/11452/10627kHz 1900/20/40z 15 December 2025       |  |  |  |  |  |  |  |  |  |  |  |  |
|-------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|
| 573 573 573 1 (R2m) 9751 111 9751 111                       |  |  |  |  |  |  |  |  |  |  |  |  |
| 14229 30303 66590 14375 28546 64911 32221 63199 79990 41854 |  |  |  |  |  |  |  |  |  |  |  |  |
| 91968 12053 16197 93077 76698 36999 20473 18888 86163 03522 |  |  |  |  |  |  |  |  |  |  |  |  |
| 23524 50007 92288 81394 46971 09293 19341 73567 26218 18480 |  |  |  |  |  |  |  |  |  |  |  |  |
| 40873 01934 53114 50507 75533 67611 31413 60667 37314 03758 |  |  |  |  |  |  |  |  |  |  |  |  |
| 58296 70477 97875 25499 71459 97145 69814 28210 50832 91520 |  |  |  |  |  |  |  |  |  |  |  |  |
| 99200 77981 70938 39300 34598 64220 38014 85195 67402 19253 |  |  |  |  |  |  |  |  |  |  |  |  |
| 45570 58653 36980 61510 00980 90033 58938 65689 17544 09087 |  |  |  |  |  |  |  |  |  |  |  |  |
| 05586 59804 81572 82405 45225 53046 52130 66788 09934 49824 |  |  |  |  |  |  |  |  |  |  |  |  |
| 39478 91129 12735 34696 19279 62890 30995 13813 15908 11313 |  |  |  |  |  |  |  |  |  |  |  |  |
| 29597 46217 93263 18061 58187 99641 33496 36365 24519 81425 |  |  |  |  |  |  |  |  |  |  |  |  |
| 38207 04125 10666 51744 85934 39395 96407 88532 94074 81551 |  |  |  |  |  |  |  |  |  |  |  |  |
| 12089 000 000                                               |  |  |  |  |  |  |  |  |  |  |  |  |
| Courtesy AB                                                 |  |  |  |  |  |  |  |  |  |  |  |  |

**M14** IA MCW / ICW Short 0

#### November 2025:

|       |       |        |                          |                 |     |     |
|-------|-------|--------|--------------------------|-----------------|-----|-----|
| 12211 | 0500z | 05 Nov | 952 (647 13) = 97572.... | (Via SDR Japan) | HFD | WED |
| 10243 | 0520z | 05 Nov | 952 (647 13) = 97572.... | (Via SDR Japan) | HFD | WED |

#### December 2025:

No Reports

#### M23 O ICW

More transmissions from this French station. Again, thanks to Ary, (AB), for alerting us to these latest transmissions.

Starting dates are from date first reported – transmissions may have been active before these dates.

#### November 2025:

|       |       |                                                                                            |             |       |
|-------|-------|--------------------------------------------------------------------------------------------|-------------|-------|
| 10352 | 0931z | 50000 05000 00500 00050 00005 55000 05500 00550 00055 55500 05550 00555 00000 55555 (R25m) | Strong      | AB/BR |
|       |       | Daily from Wed 05 Nov – Wed 12 Nov                                                         |             |       |
| 6806  | 1831z | 45859157N678293E (R25m)                                                                    | Fair        | AB/BR |
|       |       | Daily from Sun 09 Nov – Wed 12 Nov                                                         |             |       |
| 5182  | 2231z | 987654321123456789009876543210123456789000 (R25m)                                          | Weak / Fair | AB/BR |
|       |       | Daily from Sat 08 – Wed 12 Nov                                                             |             |       |

Following the cessation of these schedules on Wednesday, 12 November – Another commenced the following day – As reported by Ary:-

|                                                                                                      |       |                         |                                |      |       |
|------------------------------------------------------------------------------------------------------|-------|-------------------------|--------------------------------|------|-------|
| 13826                                                                                                | 1331z | 45859157N678293E (R25m) | Daily from Thu 13 – Thu 27 Nov | Good | AB/BR |
| Clearly heard over BBC World Service on 13825kHz. Could be read as MCW while listening to BBC on AM. |       |                         |                                |      |       |

With this one appearing from 21 November, reusing 5182 kHz – but with a different time slot, again reported by Ary:-

|      |       |                          |  |  |  |                                    |            |
|------|-------|--------------------------|--|--|--|------------------------------------|------------|
| 5182 | 1701z | 45859157N6768293E (R25m) |  |  |  | Daily from Fri 21 Nov – Thu 27 Nov | Fair AB/BR |
|------|-------|--------------------------|--|--|--|------------------------------------|------------|

Followed by this one – active by Saturday 22 November – Last reported Friday, 28 November.

|      |       |                          |  |  |  |  |       |
|------|-------|--------------------------|--|--|--|--|-------|
| 9069 | 0701z | 45859157N6768293E (R25m) |  |  |  |  | AB/BR |
|------|-------|--------------------------|--|--|--|--|-------|

[Note1] These coordinates indicate a location near the borders of France, Italy & Switzerland, close to the base of Mount Blanc

## December 2025:

The station sprung to life again in December, with a short transmission lasting approximately six minutes –. We are again grateful to Ary for alerting us to this transmission – A tricky one to catch with just casual monitoring.

First reported by Ary on Thursday, 11 December but using recordings Ary found the station active since at least 09 December, sending hourly with the same short transmission.

|      |              |            |                                    |            |
|------|--------------|------------|------------------------------------|------------|
| 6961 | 0000 – 2300z | 8 (R5m45s) | Daily from Tue 09 Dec – Wed 17 Dec | AB/BR/PLdn |
|------|--------------|------------|------------------------------------|------------|

In addition to the hourly transmissions, Ary caught a test transmission from M23 on Tuesday, 16 December, consisting of a 5 second tone, the test message repeated, followed by the hourly transmission of the figure 8;

|      |       |        |                            |            |    |     |
|------|-------|--------|----------------------------|------------|----|-----|
| 6961 | 0652z | 16 Dec | TEST DE ICOM ICOM (R7m18s) | 8 (R5m45s) | AB | TUE |
|------|-------|--------|----------------------------|------------|----|-----|

The use of ICOM as a call sign has been seen before in previous M23 transmissions.

## Morse Stations - Not Number Related

### M51 XIX

#### Transmissions Return to Normal

We reported that the daily transmissions from M51 were intermittent or missing during much of October.

Ary, (AB), reports – Thu 13 November

After voice tests last month FAV22 was now again testing in morse. I noticed them around 0900z till ca 1500. They sent hand keyed VVV's and some random letters with long breaks between the transmissions. From 20sec till almost an hour. Now at 1525z I hear that their normal stream is back again.

Ary

Peter, (PoSW), also reports on Activity from M51, including some of the test speech tests reported by Ary:-

The French CW station on 6825 and 3881 has been busy with fast groups of five characters slowing down at various times of the day to go into the “VVV DE FAV22 QLH 3881/6825 KHZ” routine.

An SSB voice presumably connected with this station has been heard on a couple of occasions, in each case just on the low side of the frequencies used:-

18-Nov-25, Tue:- 1602 UTC, 6824 kHz - as far as could be determined using a receiver with frequency readout to 1kHz - SSB in French, male voice reciting “Test de radio” followed by the names of days of the week, “Lundi...Mardi...Mercredi...” and so on, stopped a couple of minutes after being tuned in.

04-Dec-25, Thu:- 0703 UTC, 3880 kHz, same French days of the week as above, strong signal, stopped after about a minute.

*Thank you, Peter, for your excellent observations, as always*

**M51a** (FAV22) Daily schedules Mon – Fri also Sat & Sun. See NL 72 for details

|              |        |                 |              |               |              |                            |    |     |  |  |
|--------------|--------|-----------------|--------------|---------------|--------------|----------------------------|----|-----|--|--|
| 3881//6825   |        |                 |              |               |              |                            |    |     |  |  |
| 1230 - 1316z | 24 Nov | Lundi-Leçon     | 11-2/1 Codé  | 11-2/2 Clair, | 11-2/3 Codé, | 11-2/4 Clair (420 grps/hr) | BR | MON |  |  |
| 1230 - 1303z | 25 Nov | Mardi-Leçon     | 12-2/1 Codé  | 12-2/2 Clair, | 12-2/3 Codé, | 12-2/4 Clair (600 grps/hr) | BR | TUE |  |  |
| 1230 - 1307z | 26 Nov | Mercredi- Leçon | 13-2/1 Codé, | 13-2/2 Clair, | 13-2/3 Codé, | 13-2/4 Clair (720 grps/hr) | BR | WED |  |  |
| 1230 - 1305z | 21 Nov | Vendredi- Leçon | 05-2/1 Codé, | 05-2/2 Clair, | 05-2/3 Codé, | 05-2/4 Clair (960 grps/hr) | BR | FRI |  |  |

**M51b** Non-stop 5-character groups composed of M51a messages on 3881//6825kHz

|      |            |        |                                                                                        |    |     |
|------|------------|--------|----------------------------------------------------------------------------------------|----|-----|
| 6825 | 0146z (IP) | 16 Nov | Non-stop 5-character groups composed of M51a messages on 6825kHz (3881kHz not audible) | BR | SUN |
|------|------------|--------|----------------------------------------------------------------------------------------|----|-----|

### M89 O

#### As 2025 Ends, China Carries out Exercises Near Taiwan

Jean=Paul, (JPL), informs us of the 'Justice Mission 2025' exercises being carried out by China. Extra M89 & M95 traffic is usually monitored during these exercise periods.

The latest Chinese military exercises around Taiwan code-named "Justice Mission 2025," are widely expected to last for two days, concluding by the end of December 30, 2025.

- Schedule: The drills began on the morning of Monday, December 29, 2025. Major live-fire activities are specifically scheduled for Tuesday, December 30, between 8:00 a.m. and 6:00 p.m. local time.
- Scope: The exercises involve China's army, navy, air force, and rocket force operating in five designated zones encircling Taiwan.
- Objectives: The People's Liberation Army (PLA) stated the drills simulate a blockade of Taiwan's main ports and test "sea-air coordination" and combat readiness.

More Information:-

<https://www.dw.com/en/taiwan-remains-on-alert-as-china-ends-military-drills/a-75347891>

<https://www.bbc.co.uk/news/articles/c8717xjp235o>

This is a summary of activity from the M89 stations.

#### **Traffic & Operator Chat from M89**

Traffic & Op. chat reported on the following freqs. (All in kHz).

|      |      |      |        |      |      |      |      |       |
|------|------|------|--------|------|------|------|------|-------|
| 3341 | 4023 | 4551 | 5024   | 5540 | 6020 | 7123 | 8117 | 9949  |
| 3398 | 4039 | 4553 | 5036   | 5642 | 6198 | 7139 | 8191 |       |
| 3511 | 4138 | 4626 | 5088   | 5740 | 6255 | 7593 | 8310 | 10481 |
| 3586 | 4145 | 4627 | 5131   | 5784 | 6256 | 7615 | 8689 |       |
| 3612 | 4167 | 4731 | 5177   | 5112 | 6268 | 7632 | 8787 |       |
| 3665 | 4200 | 4770 | 5205.5 | 5200 | 6323 | 7768 | 8888 |       |
| 3809 | 4230 | 4783 | 5248   | 5394 | 6454 | 7778 | 8899 |       |
| 3827 | 4268 | 4788 | 5309   | 5541 | 6456 | 7801 |      |       |
| 3833 | 4272 | 4805 | 5310   | 5546 | 6516 | 7825 |      |       |
| 3854 | 4306 | 4873 | 5323   | 5547 | 6524 | 7975 |      |       |
| 3950 | 4325 | 4875 | 5325   | 5551 | 6540 |      |      |       |
| 3965 | 4328 | 4958 | 5357   | 5566 | 6565 |      |      |       |
|      | 4349 |      | 5414   | 5656 | 6726 |      |      |       |
|      | 4357 |      | 5433   | 5660 | 6754 |      |      |       |
|      | 4416 |      | 5441   | 5672 | 6785 |      |      |       |
|      | 4433 |      | 5443   | 5680 | 6788 |      |      |       |
|      | 4445 |      | 5449   | 5687 | 6789 |      |      |       |
|      | 4446 |      | 5461   | 5742 | 6848 |      |      |       |
|      | 4450 |      | 5478   | 5758 |      |      |      |       |
|      | 4474 |      | 5498   | 5774 |      |      |      |       |
|      | 4475 |      | 5500   | 5776 |      |      |      |       |
|      | 4477 |      | 5505   | 5786 |      |      |      |       |
|      | 4485 |      | 5507   | 5796 |      |      |      |       |
|      | 4486 |      | 5514   | 5878 |      |      |      |       |
|      | 4550 |      | 5534   |      |      |      |      |       |

New Scheds for Nov / Dec 2025:

From logs submitted from JPL

|            |                                   |                         |                                 |
|------------|-----------------------------------|-------------------------|---------------------------------|
| 3374       | New Call Sign for this Round Slip | First heard 16 November | V 3JWV (x3) DE <b>QH4P</b> (x2) |
| 4357//5742 | New Call Sign for this Round Slip | First heard 16 November | V 3JWV (x3) DE <b>QH4P</b> (x2) |
| 5742       | New Call Sign for this Round Slip | First heard 16 November | V 3JWV (x3) DE <b>QH4P</b> (x2) |
| 4610       | New Round Slip for this frequency | First heard 03 November | V PD4N (x3) DE WY7H (x2)        |
|            | New Round Slip for this frequency | First heard 13 November | V 9GWQ (x3) DE J2PX (x2)        |
| 4456       | New frequency for this Round Slip | First heard 09 November | Y3JI DE N6WX (Repeated)         |

The following transmissions have appeared since the beginning of November sending, what would appear to be a test Round Slip, moving from one frequency to the next.

|        |                                   |                         |                                                                |
|--------|-----------------------------------|-------------------------|----------------------------------------------------------------|
| 5586.5 | New frequency for this Round Slip | First heard 09 November | ABCDEF GHIJ KLMNOPQRSTUVWXYZ TAU34567DN III AS VA M BT (Con't) |
| 4572.5 | New frequency for this Round Slip | First heard 24 November | ABCDEF GHIJ KLMNOPQRSTUVWXYZ TAU34567DN III AS VA M BT (Con't) |
| 8224.5 | New frequency for this Round Slip | First heard 04 December | ABCDEF GHIJ KLMNOPQRSTUVWXYZ TAU34567DN III AS VA M BT (Con't) |
| 4458.5 | New frequency for this Round Slip | First heard 06 Dec      | ABCDEF GHIJ KLMNOPQRSTUVWXYZ TAU34567DN III AS VA M BT (Con't) |

Chart of M89 Freq & Call signs heard in Nov/ Dec 2025

New Scheds shown in Bold Type

From logs submitted from JPL

| <u>Freq in KHz</u> | <u>Call Slip</u>                                                   |
|--------------------|--------------------------------------------------------------------|
| 3374               | V 3JWV (x3) DE <b>QH4P</b> (x2)                                    |
| 3374//4357         | V 3JWV (x3) DE QSV9 (x2)<br>V 3JWV (x3) DE <b>QH4P</b> (x2)        |
| 3374/4357/5742     | V 3JWV (x3) DE QSV9 (x2)<br>V 3JWV (x3) DE <b>QH4P</b> (x2)        |
| 4357               | V 3JWV (x3) DE QSV9 (x2)                                           |
| 4357//5742         | V 3JWV (x3) DE QSV9 (x2)<br><b>V 3JWV (x3) DE QH4P (x2)</b>        |
| <b>4456</b>        | <b>Y3JI DE N6WX (Repeated)</b>                                     |
| 4610               | <b>V PD4N (x3) DE WY7H (x2)</b><br><b>V 9GWQ (x3) DE J2PX (x2)</b> |

| <u>Freq in kHz</u> | <u>Call Slip</u>                |
|--------------------|---------------------------------|
| 4720               | VVV WNF (x3) DE FXM (x2)        |
| 4720//5150         | VVV WNF (x3) DE FXM (x2)        |
| 4860// 6840        | V Q2M (x3) DE NYZ (x2)          |
| 5680               | OH B DE WLC (R5) QSA ? K        |
| <b>5741</b>        | <b>V 3JWV (x3) DE QSV9 (x2)</b> |
| 5742               | V QJPL (x3) DE 5CRP (x2)        |
| 7768               | Y3JI DE N6WX (Repeated)         |

Courtesy JPL

# Logs:

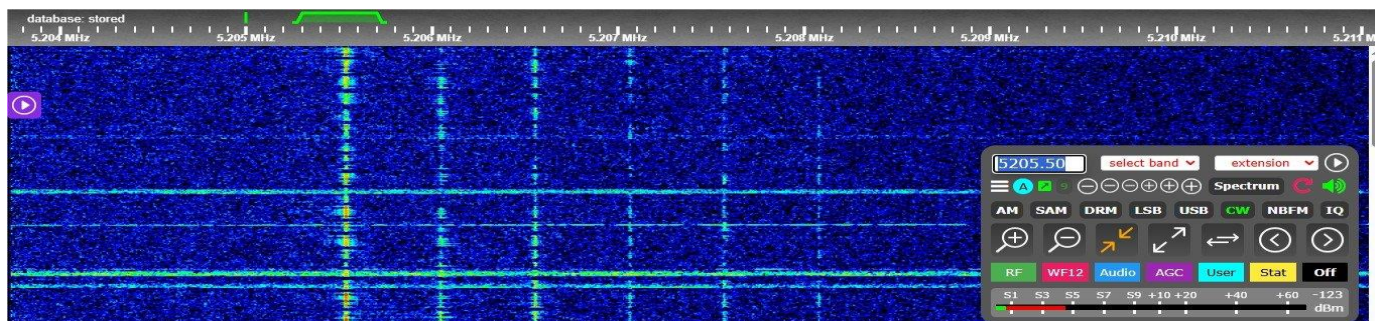
**Note:** The EEE before Msg NR actually the barred letter E in morse /../. I believe this denotes a high priority message, ie Flash msg.

|                |          |                                                                                                                                                                |                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                            |                                                                                                                            |
|----------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| 3341           | (In tfc) | 1702z                                                                                                                                                          | 03 Nov                                                                                                                                                                           | F NR 1072/EX 0058 RMKS 8547 TO 8540 BT C2/ET AR<br>F NR 5076/EX 0102 RMKS 8540 TO 8547 BT A2/T5 AR                                                                                                                                                                                                                                                                                                                                                                                                                          | (Remote tuner Taiwan)                                                                                                                                                                                                                                                                                                                                                                                                                                                       | JPL                                                                                                                        | MON                                                                                                                        |
| 3374           |          | 1850z<br>1113z                                                                                                                                                 | 16 Nov<br>04 Dec                                                                                                                                                                 | V 3JWV (x3) DE <b>QH4P (x2)</b><br>V 3JWV (x3) DE QH4P (x2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>Note: Now using QH4P</b><br>(Remote tuner Thailand)<br>(Remote tuner Japan)                                                                                                                                                                                                                                                                                                                                                                                              | JPL<br>JPL                                                                                                                 | SUN<br>THU                                                                                                                 |
| 3374//4357     |          | 1202z<br>1219z<br>1415z<br>2009z<br>1811z<br>1738z<br>1018z<br>1725z<br>1730z                                                                                  | 01 Nov<br>14 Nov<br>25 Nov<br>30 Nov<br>06 Dec<br>08 Dec<br>09 Dec<br>11 Dec<br>27 Dec                                                                                           | V 3JWV (x3) DE QSVP (x2)<br>V 3JWV (x3) DE QSVP (x2)<br>V 3JWV (x3) DE <b>QH4P (x2)</b><br>V 3JWV (x3) DE QH4P (x2)<br>V 3JWV (x3) DE QH4P (x2)<br>V 3JWV (x3) DE QH4P (x2)<br>V 3JWV (x3) DE QH4P (x2)<br>V 3JWV (x3) DE QH4P (x2)<br>V 3JWV (x3) DE QH4P (x2)                                                                                                                                                                                                                                                             | <b>Note: Now using QH4P</b><br>(Remote tuner Japan)<br>(Remote tuner Japan)<br>(Remote tuner South Korea)<br>(Remote tuner Japan)<br>(Remote tuner Japan)<br>(Remote tuner Japan)<br>(Remote tuner Japan)<br>(Remote tuner Japan)<br>(Remote tuner Japan)                                                                                                                                                                                                                   | JPL<br>JPL<br>JPL<br>JPL<br>JPL<br>JPL<br>JPL<br>JPL<br>JPL                                                                | SAT<br>FRI<br>TUE<br>SUN<br>SAT<br>MON<br>TUE<br>THU<br>SAT                                                                |
| 3374/4357/5742 |          | 1203z<br>1229z<br>1218z<br>1210z<br>1818z<br>1332z<br>1600z<br>1900z<br>1204z<br>1836z<br>1900z<br>1610z<br>1705z<br>1940z<br>1755z                            | 02 Nov<br>03 Nov<br>07 Nov<br>09 Nov<br>09 Nov<br>10 Nov<br>10 Nov<br>10 Nov<br>13 Nov<br>13 Nov<br>17 Nov<br>19 Nov<br>20 Nov<br>29 Nov<br>05 Dec                               | V 3JWV (x3) DE QSVP (x2)<br>V 3JWV (x3) DE QSVP (x2)<br>V 3JWV (x3) DE QSVP (x2)<br>V 3JWV (x3) DE QSVP (x2)<br>V 3JWV (x3) DE QSVP (x2)<br>V 3JWV (x3) DE QSVP (x2)<br>V 3JWV (x3) DE QSVP (x2)<br>V 3JWV (x3) DE QSVP (x2)<br>V 3JWV (x3) DE QSVP (x2)<br>V 3JWV (x3) DE QSVP (x2)<br>V 3JWV (x3) DE <b>QH4P (x2)</b><br>V 3JWV (x3) DE QH4P (x2)<br>V 3JWV (x3) DE QH4P (x2)<br>V 3JWV (x3) DE QH4P (x2)<br>V 3JWV (x3) DE QH4P (x2)                                                                                     | <b>Note: Now using QH4P</b><br>(Remote tuner Japan)<br>(Remote tuner Japan)<br>(Remote tuner Japan)<br>(Remote tuner Japan)<br>(Remote tuner Japan)<br>(Remote tuner Shanghai)<br>(Remote tuner Japan)<br>(Remote tuner Japan)<br>(Remote tuner Japan)<br>(Remote tuner South Korea)<br>(Remote tuner Japan)<br>(Remote tuner Japan)<br>(Remote tuner Taiwan)<br>(Remote tuner Japan)<br>(Remote tuner Japan)                                                               | JPL<br>JPL<br>JPL<br>JPL<br>JPL<br>JPL<br>JPL<br>JPL<br>JPL<br>JPL<br>JPL<br>JPL<br>JPL<br>JPL<br>JPL                      | SUN<br>MON<br>FRI<br>SUN<br>SUN<br>MON<br>MON<br>THU<br>THU<br>MON<br>WED<br>THU<br>SAT<br>FRI                             |
| 3511           | (In tfc) | 1540z                                                                                                                                                          | 10 Nov                                                                                                                                                                           | In tfc- SVC msg but missed)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | (Remote tuner Japan)                                                                                                                                                                                                                                                                                                                                                                                                                                                        | JPL                                                                                                                        | MON                                                                                                                        |
| 3833           | (In tfc) | 1725z                                                                                                                                                          | 19 Dec                                                                                                                                                                           | SVC BT 423/XZ 185/4648/01/14/11/X985/COMM/4198 AR                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (Remote tuner Japan)                                                                                                                                                                                                                                                                                                                                                                                                                                                        | JPL                                                                                                                        | FRI                                                                                                                        |
| 3950           |          | 1710z                                                                                                                                                          | 20 Nov                                                                                                                                                                           | V B7S (x3) DE OYH (x2) (R5) QRU ? K                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | (Remote tuner Taiwan)                                                                                                                                                                                                                                                                                                                                                                                                                                                       | JPL                                                                                                                        | THU                                                                                                                        |
| 4023           | (In tfc) | 1247z                                                                                                                                                          | 18 Nov                                                                                                                                                                           | NR 288 CK 490 11 1118 2040 RMKS 5333 TO 5264 BT                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | (Remote tuner South Korea)                                                                                                                                                                                                                                                                                                                                                                                                                                                  | JPL                                                                                                                        | TUE                                                                                                                        |
| 4200           | (In tfc) | 1400z                                                                                                                                                          | 28 Dec                                                                                                                                                                           | NR 9998 45 4 09 09 0 (Silent)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (Remote tuner Taiwan)                                                                                                                                                                                                                                                                                                                                                                                                                                                       | JPL                                                                                                                        | SUN                                                                                                                        |
| 4272           | (In tfc) | 1211z                                                                                                                                                          | 18 Nov                                                                                                                                                                           | RMKS ..08 TO 0GGZ BT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | (Remote tuner South Korea)                                                                                                                                                                                                                                                                                                                                                                                                                                                  | JPL                                                                                                                        | TUE                                                                                                                        |
| 4306           | (In tfc) | 2150z                                                                                                                                                          | 07 Dec                                                                                                                                                                           | NR 4120 CK 121 89 1208 0430 RMKS 5570 TO 5222 BT                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | (Remote tuner Japan)                                                                                                                                                                                                                                                                                                                                                                                                                                                        | JPL                                                                                                                        | SUN                                                                                                                        |
| 4328           | (In tfc) | 1625z                                                                                                                                                          | 29 Dec                                                                                                                                                                           | NR 350 CK 139 18 1230 00.5 RMKS 9849 TO 9520 BT (V.Weak)                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | (Remote tuner Japan)                                                                                                                                                                                                                                                                                                                                                                                                                                                        | JPL                                                                                                                        | MON                                                                                                                        |
| 4357           |          | 1203z<br>1916z<br>1203z<br>1227z<br>1629z<br>1018z<br>1212z<br>1811z<br>1157z<br>1811z<br>1323z                                                                | 15 Nov<br>16 Nov<br>19 Nov<br>20 Nov<br>21 Nov<br>27 Nov<br>24 Dec<br>26 Dec<br>28 Dec<br>30 Dec<br>30 Dec                                                                       | V 3JWV (x3) DE QSVP (x2)<br><b>V 3JWV (x3) DE QH4P (x2)</b><br>V 3JWV (x3) DE QSVP (x2)<br>V 3JWV (x3) DE QH4P (x2)<br>V 3JWV (x3) DE QH4P (x2)<br>V 3JWV (x3) DE QH4P (x2)<br>V 3JWV (x3) DE QH4P (x2)<br>V 3JWV (x3) DE QH4P (x2)<br>V 3JWV (x3) DE QH4P (x2)<br>V 3JWV (x3) DE QH4P (x2)<br>V 3JWV (x3) DE QH4P (x2)                                                                                                                                                                                                     | <b>Note: Now using QH4P</b><br>(Remote tuner Japan)<br>(Remote tuner Thailand)<br>(Remote tuner South Korea)<br>(Remote tuner Japan)<br>(Remote tuner Shanghai)<br>(Remote tuner Japan)<br>(Remote tuner Japan)<br>(Remote tuner Japan)<br>(Remote tuner Japan)<br>(Remote tuner Japan)<br>(Remote tuner Japan)<br>DE PO3F QSA? K<br>(Remote tuner Japan)                                                                                                                   | JPL<br>JPL<br>JPL<br>JPL<br>JPL<br>JPL<br>JPL<br>JPL<br>JPL<br>JPL<br>JPL<br>JPL                                           | SAT<br>SUN<br>WED<br>THU<br>FRI<br>THU<br>WED<br>FRI<br>SUN<br>TUE<br>TUE                                                  |
| 4357//5742     |          | 1210z<br>1656z<br>1703z<br>1250z<br>1200z<br>1324z<br>1303z<br>1930z<br>1110z<br>1817z<br>1807z<br>1828z<br>1112z<br>2119z<br>1624z<br>1246z<br>1218z<br>1632z | 05 Nov<br>07 Nov<br>08 Nov<br>16 Nov<br>18 Nov<br>21 Nov<br>23 Nov<br>23 Nov<br>24 Nov<br>24 Nov<br>27 Nov<br>03 Dec<br>04 Dec<br>07 Dec<br>16 Dec<br>18 Dec<br>19 Dec<br>21 Dec | V 3JWV (x3) DE QSVP (x2)<br>V 3JWV (x3) DE QSVP (x2)<br>V 3JWV (x3) DE QSVP (x2)<br><b>V 3JWV (x3) DE QH4P (x2)</b><br>V 3JWV (x3) DE QH4P (x2)<br>V 3JWV (x3) DE QH4P (x2)<br>V 3JWV (x3) DE QH4P (x2)<br>V 3JWV (x3) DE QH4P (x2)<br>V 3JWV (x3) DE QH4P (x2)<br>V 3JWV (x3) DE QH4P (x2)<br>V 3JWV (x3) DE QH4P (x2)<br>V 3JWV (x3) DE QH4P (x2)<br>V 3JWV (x3) DE QH4P (x2)<br>V 3JWV (x3) DE QH4P (x2)<br>V 3JWV (x3) DE QH4P (x2)<br>V 3JWV (x3) DE QH4P (x2)<br>V 3JWV (x3) DE QH4P (x2)<br>V 3JWV (x3) DE QH4P (x2) | <b>Note: Now using QH4P</b><br>(Remote tuner Japan)<br>(Remote tuner Japan)<br>(Remote tuner Japan)<br>(Remote tuner Japan)<br>(Remote tuner Japan)<br>(Remote tuner Japan)<br>(Remote tuner Japan)<br>(Remote tuner Japan)<br>(Remote tuner Japan)<br>(Remote tuner Japan)<br>(Remote tuner Japan)<br>(Remote tuner Japan)<br>(Remote tuner Japan)<br>(Remote tuner Japan)<br>(Remote tuner Japan)<br>(Remote tuner Japan)<br>(Remote tuner Japan)<br>(Remote tuner Japan) | JPL<br>JPL<br>JPL<br>JPL<br>JPL<br>JPL<br>JPL<br>JPL<br>JPL<br>JPL<br>JPL<br>JPL<br>JPL<br>JPL<br>JPL<br>JPL<br>JPL<br>JPL | WED<br>FRI<br>SAT<br>SUN<br>TUE<br>FRI<br>SUN<br>SUN<br>MON<br>MON<br>THU<br>WED<br>THU<br>SUN<br>TUE<br>THU<br>FRI<br>SUN |

|        |          |       |        |                                                                                                              |                            |     |     |
|--------|----------|-------|--------|--------------------------------------------------------------------------------------------------------------|----------------------------|-----|-----|
|        |          | 1216z | 22 Dec | V 3JWV (x3) DE QH4P (x2)                                                                                     | (Remote tuner Japan)       | JPL | MON |
|        |          | 1305z | 23 Dec | V 3JWV (x3) DE QH4P (x2)                                                                                     | (Remote tuner Japan)       | JPL | TUE |
| 4416   | (In tfc) | 1205z | 19 Nov | RMKS 3176 TO 3128 K                                                                                          | (Remote tuner South Korea) | JPL | WED |
| 4446   | (In tfc) | 1313z | 10 Nov | SVC QYZ8/2100/311 QYZ8/2100/312 K                                                                            | (Remote tuner Shanghai)    | JPL | MON |
| 4450   | (In tfc) | 1249z | 03 Nov | NR 6023 CK 12 65 1103 2020 RMKS 1733894 TO 173309 BT                                                         | (Remote tuner Japan)       | JPL | MON |
| 4445   | (In tfc) | 1257z | 19 Dec | F NR 001/EX 2057 BT 1315/A3BD AR K                                                                           | (Remote tuner Japan)       | JPL | FRI |
| 4456   |          | 1830z | 09 Nov | Y3JI DE N6WX M89 (Repeated)                                                                                  | (Remote tuner Japan)       | JPL | SUN |
| 4458.5 | (In tfc) | 1840z | 06 Dec | ABCDEFGHGIJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M BT (Con't)                                                | (Remote tuner Japan)       | JPL | SAT |
|        | (In tfc) | 2132z | 07 Dec | ABCDEFGHGIJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M BT (Con't)                                                | (Remote tuner Japan)       | JPL | SUN |
|        | (In tfc) | 1905z | 09 Dec | ABCDEFGHGIJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M BT (Con't)                                                | (Remote tuner Japan)       | JPL | TUE |
|        | (In tfc) | 1736z | 11 Dec | ABCDEFGHGIJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M BT (Con't)                                                | (Remote tuner Japan)       | JPL | THU |
|        | (In tfc) | 1628z | 16 Dec | ABCDEFGHGIJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M BT (Con't)                                                | (Remote tuner Japan)       | JPL | TUE |
|        | (In tfc) | 1726z | 18 Dec | ABCDEFGHGIJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M BT (Con't)                                                | (Remote tuner Japan)       | JPL | THU |
|        | (In tfc) | 1304z | 19 Dec | ABCDEFGHGIJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M BT (Con't)\                                               | (Remote tuner Japan)       | JPL | FRI |
|        | (In tfc) | 1702z | 23 Dec | ABCDEFGHGIJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M BT (Con't)                                                | (Remote tuner Japan)       | JPL | TUE |
|        | (In tfc) | 1738z | 27 Dec | ABCDEFGHGIJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M BT (Con't)                                                | (Remote tuner Japan)       | JPL | SAT |
| 4474   | (In tfc) | 1300z | 14 Nov | NR... CK 299 64 1114 2010 RMKS 2176 TO 2177 BT                                                               | (Remote tuner Japan)       | JPL | FRI |
| 4477   | (In tfc) | 1718z | 19 Nov | F NR 783/EX 0105 RMKS 4961 TO 2581 BT W9A4/L2T0 AR K<br>F NR 783/EX 0108 RMKS 2581 TO 4961 BT W9A4/L2T0 AR K | (Remote tuner Hong Kong)   | JPL | WED |
| 4550   | (In tfc) | 1306z | 20 Nov | NR 6..8/EX 2110 BT J3T/P AR                                                                                  | (Remote tuner Japan)       | JPL | THU |
| 4572.5 | (In tfc) | 1807z | 24 Nov | ABCDEFGHGIJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M BT (Con't)                                                | (Remote tuner Japan)       | JPL | MON |
|        | (In tfc) | 2017z | 30 Nov | ABCDEFGHGIJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M BT (Con't)                                                | (Remote tuner Japan)       | JPL | SUN |
| 4610   |          | 1239z | 03 Nov | V PD4N (x3) DE WY7H (x2) New Round Slip                                                                      | (Remote tuner Japan)       | JPL | MON |
|        |          | 1725z | 03 Nov | V PD4N (x3) DE WY7H (x2)                                                                                     | (Remote tuner Japan)       | JPL | MON |
|        |          | 1658z | 07 Nov | V PD4N (x3) DE WY7H (x2)                                                                                     | (Remote tuner Japan)       | JPL | FRI |
|        |          | 1704z | 08 Nov | V PD4N (x3) DE WY7H (x2)                                                                                     | (Remote tuner Japan)       | JPL | SAT |
|        |          | 1208z | 09 Nov | V PD4N (x3) DE WY7H (x2)                                                                                     | (Remote tuner Japan)       | JPL | SUN |
|        |          | 1835z | 09 Nov | V PD4N (x3) DE WY7H (x2)                                                                                     | (Remote tuner Japan)       | JPL | SUN |
|        |          | 1552z | 10 Nov | V PD4N (x3) DE WY7H (x2)                                                                                     | (Remote tuner Japan)       | JPL | MON |
|        |          | 1903z | 10 Nov | V PD4N (x3) DE WY7H (x2)                                                                                     | (Remote tuner Japan)       | JPL | MON |
|        |          | 1326z | 13 Nov | V 9GWQ (x3) DE J2PX (x2) New Round Slip                                                                      | (Remote tuner Japan)       | JPL | THU |
|        |          | 1853z | 13 Nov | V 9GWQ (x3) DE J2PX (x2)                                                                                     | (Remote tuner South Korea) | JPL | THU |
|        |          | 1222z | 14 Nov | V 9GWQ (x3) DE J2PX (x2)                                                                                     | (Remote tuner Japan)       | JPL | FRI |
|        |          | 1212z | 15 Nov | V 9GWQ (x3) DE J2PX (x2)                                                                                     | (Remote tuner Japan)       | JPL | SAT |
|        |          | 1626z | 15 Nov | V 9GWQ (x3) DE J2PX (x2)                                                                                     | (Remote tuner Japan)       | JPL | SAT |
|        |          | 1300z | 16 Nov | V 9GWQ (x3) DE J2PX (x2)                                                                                     | (Remote tuner Japan)       | JPL | SUN |
|        |          | 1919z | 16 Nov | V 9GWQ (x3) DE J2PX (x2)                                                                                     | (Remote tuner Thailand)    | JPL | SUN |
|        |          | 1857z | 17 Nov | V 9GWQ (x3) DE J2PX (x2)                                                                                     | (Remote tuner Japan)       | JPL | MON |
|        |          | 1627z | 19 Nov | V 9GWQ (x3) DE J2PX (x2)                                                                                     | (Remote tuner Japan)       | JPL | WED |
|        |          | 1301z | 20 Nov | V 9GWQ (x3) DE J2PX (x2)                                                                                     | (Remote tuner Japan)       | JPL | THU |
|        |          | 1329z | 21 Nov | V 9GWQ (x3) DE J2PX (x2)                                                                                     | (Remote tuner Japan)       | JPL | FRI |
|        |          | 1632z | 21 Nov | V 9GWQ (x3) DE J2PX (x2)                                                                                     | (Remote tuner Shanghai)    | JPL | FRI |
|        |          | 1431z | 22 Nov | V 9GWQ (x3) DE J2PX (x2)                                                                                     | (Remote tuner Japan)       | JPL | SAT |
|        |          | 1938z | 23 Nov | V 9GWQ (x3) DE J2PX (x2)                                                                                     | (Remote tuner Japan)       | JPL | SUN |
|        |          | 1225z | 24 Nov | V 9GWQ (x3) DE J2PX (x2)                                                                                     | (Remote tuner Japan)       | JPL | MON |
|        |          | 1419z | 25 Nov | V 9GWQ (x3) DE J2PX (x2)                                                                                     | (Remote tuner South Korea) | JPL | TUE |
|        |          | 1826z | 03 Dec | V 9GWQ (x3) DE J2PX (x2)                                                                                     | (Remote tuner Japan)       | JPL | WED |
|        |          | 1545z | 04 Dec | V 9GWQ (x3) DE J2PX (x2)                                                                                     | (Remote tuner Japan)       | JPL | THU |
|        |          | 1757z | 05 Dec | V 9GWQ (x3) DE J2PX (x2)                                                                                     | (Remote tuner Japan)       | JPL | FRI |
|        |          | 1817z | 06 Dec | V 9GWQ (x3) DE J2PX (x2)                                                                                     | (Remote tuner Japan)       | JPL | SAT |
|        |          | 2128z | 07 Dec | V 9GWQ (x3) DE J2PX (x2)                                                                                     | (Remote tuner Japan)       | JPL | SUN |
|        |          | 1857z | 09 Dec | V PD4N (x3) DE WY7H (x2)                                                                                     | (Remote tuner Japan)       | JPL | TUE |
|        |          | 1729z | 11 Dec | V PD4N (x3) DE WY7H (x2)                                                                                     | (Remote tuner Japan)       | JPL | THU |
|        |          | 1618z | 16 Dec | V PD4N (x3) DE WY7H (x2)                                                                                     | (Remote tuner Japan)       | JPL | TUE |
|        |          | 1253z | 18 Dec | V PD4N (x3) DE WY7H (x2)                                                                                     | (Remote tuner Japan)       | JPL | THU |
|        |          |       |        | Note: In tfc - Sending F messages and appears to be svc messages. Too weak to copy.                          |                            |     |     |
|        |          | 1728z | 18 Dec | V PD4N (x3) DE WY7H (x2)                                                                                     | (Remote tuner Japan)       | JPL | THU |
|        |          | 1228z | 19 Dec | V PD4N (x3) DE WY7H (x2)                                                                                     | (Remote tuner Japan)       | JPL | FRI |
|        |          | 1635z | 21 Dec | V PD4N (x3) DE WY7H (x2)                                                                                     | (Remote tuner Japan)       | JPL | SUN |
|        |          | 1219z | 22 Dec | V PD4N (x3) DE WY7H (x2)                                                                                     | (Remote tuner Japan)       | JPL | MON |
|        |          | 1659z | 23 Dec | V PD4N (x3) DE WY7H (x2)                                                                                     | (Remote tuner Japan)       | JPL | TUE |

|            |          |       |        |                                                                                                                |                            |     |     |
|------------|----------|-------|--------|----------------------------------------------------------------------------------------------------------------|----------------------------|-----|-----|
|            |          | 1213z | 24 Dec | V PD4N (x3) DE WY7H (x2)                                                                                       | (Remote tuner Japan)       | JPL | WED |
|            |          | 1736z | 27 Dec | V PD4N (x3) DE WY7H (x2)                                                                                       | (Remote tuner Japan)       | JPL | SAT |
|            |          | 1618z | 30 Dec | V PD4N (x3) DE WY7H (x2)                                                                                       | (Remote tuner Japan)       | JPL | TUE |
| 4716       | (In tfc) | 1229z | 22 Dec | In tfc - F NR .../EX msg - Too weak to copy)                                                                   | (Remote tuner Japan)       | JPL | MON |
| 4720       |          | 1230z | 24 Nov | VVV WNF (x3) DE FXM (X2) (R5) QSA ? K                                                                          | (Remote tuner Japan)       | JPL | MON |
| 4720//5150 |          | 1230z | 07 Nov | VVV WNF (x3) DE FXM (X2) (R5) QSA ? K                                                                          | (Remote tuner Hong Kong)   | JPL | FRI |
|            |          | 1230z | 09 Nov | VVV WNF (x3) DE FXM (X2) (R5) QSA ? K                                                                          | (Remote tuner Hong Kong)   | JPL | SUN |
|            |          | 1330z | 09 Nov | VVV WNF (x3) DE FXM (X2) (R5) QSA ? K                                                                          | (Remote tuner Hong Kong)   | JPL | SUN |
|            |          | 1130z | 14 Nov | VVV WNF (x3) DE FXM (X2) (R5) QSA ? K                                                                          | (Remote tuner Hong Kong)   | JPL | FRI |
|            |          | 1130z | 19 Nov | VVV WNF (x3) DE FXM (X2) (R5) QSA ? K                                                                          | (Remote tuner Hong Kong)   | JPL | WED |
|            |          | 1130z | 22 Nov | VVV WNF (x3) DE FXM (X2) (R5) QSA ? K                                                                          | (Remote tuner Hong Kong)   | JPL | SAT |
|            |          | 1430z | 19 Dec | VVV WNF (x3) DE FXM (X2) (R5) QSA ? K                                                                          | (Remote tuner Hong Kong)   | JPL | FRI |
| 4775       | (In tfc) | 1623z | 14 Nov | FFF NR 782/EX 0122 RMKS 2926 TO 2983 BT A2D3/T88 AR                                                            | (Remote tuner Japan)       | JPL | FRI |
| 4783       | (In tfc) | 1403z | 28 Dec | RMKS 3388 TO 3306 BT                                                                                           | (Remote tuner Taiwan)      | JPL | SUN |
| 4860//6840 |          | 1220z | 02 Nov | V Q2M (x3) DE NYZ (x2) (R5)                                                                                    | (Remote tuner Japan)       | JPL | SUN |
|            |          | 1220z | 03 Nov | V Q2M (x3) DE NYZ (x2) (R5)                                                                                    | (Remote tuner Japan)       | JPL | MON |
|            |          | 1720z | 03 Nov | V Q2M (x3) DE NYZ (x2) (R5)                                                                                    | (Remote tuner Taiwan)      | JPL | MON |
|            |          | 1220z | 07 Nov | V Q2M (x3) DE NYZ (x2) (R5)                                                                                    | (Remote tuner Japan)       | JPL | FRI |
|            |          | 1705z | 07 Nov | V Q2M (x3) DE NYZ (x2) (R5) QSA ? K                                                                            | (Remote tuner Japan)       | JPL | FRI |
|            |          | 1720z | 08 Nov | V Q2M (x3) DE NYZ (x2) (R5) QSA ? K                                                                            | (Remote tuner Japan)       | JPL | SAT |
|            |          | 1220z | 09 Nov | V Q2M (x3) DE NYZ (x2) (R5)                                                                                    | (Remote tuner Japan)       | JPL | SUN |
|            |          | 1320z | 09 Nov | V Q2M (x3) DE NYZ (x2) (R5)                                                                                    | (Remote tuner Japan)       | JPL | SUN |
|            |          | 1820z | 09 Nov | V Q2M (x3) DE NYZ (x2) (R5)                                                                                    | (Remote tuner Japan)       | JPL | SUN |
|            |          | 1220z | 10 Nov | V Q2M (x3) DE NYZ (x2) (R5)                                                                                    | (Remote tuner Shanghai)    | JPL | MON |
|            |          | 1320z | 10 Nov | V Q2M (x3) DE NYZ (x2) (R5)                                                                                    | (Remote tuner Shanghai)    | JPL | MON |
|            |          | 1620z | 15 Nov | V Q2M (x3) DE NYZ (x2) (R5)                                                                                    | (Remote tuner Japan)       | JPL | SAT |
|            |          | 1920z | 16 Nov | V Q2M (x3) DE NYZ (x2) (R5)                                                                                    | (Remote tuner Thailand)    | JPL | SUN |
|            |          | 1220z | 18 Nov | V Q2M (x3) DE NYZ (x2) (R5)                                                                                    | (Remote tuner South Korea) | JPL | TUE |
|            |          | 1320z | 18 Nov | V Q2M (x3) DE NYZ (x2) (R5)                                                                                    | (Remote tuner Japan)       | JPL | TUE |
|            |          | 1720z | 19 Nov | V Q2M (x3) DE NYZ (x2) (R5) QSA ? K                                                                            | (Remote tuner Hong Kong)   | JPL | WED |
|            |          | 1920z | 19 Nov | V Q2M (x3) DE NYZ (x2) (R5) QSA ? K                                                                            | (Remote tuner Shanghai)    | JPL | WED |
|            |          | 1620z | 21 Nov | V Q2M (x3) DE NYZ (x2) (R5) QSA ? K                                                                            | (Remote tuner Shanghai)    | JPL | FRI |
|            |          | 0020z | 22 Nov | V Q2M (x3) DE NYZ (x2) (R5) QSA ? K                                                                            | (Remote tuner Hong Kong)   | JPL | SAT |
|            |          | 1120z | 22 Nov | V Q2M (x3) DE NYZ (x2) (R5) QSA ? K                                                                            | (Remote tuner Hong Kong)   | JPL | SAT |
|            |          | 1220z | 24 Nov | V Q2M (x3) DE NYZ (x2) (R5) QSA ? K                                                                            | (Remote tuner Hong Kong)   | JPL | MON |
|            |          | 1820z | 24 Nov | V Q2M (x3) DE NYZ (x2) (R5) QSA ? K                                                                            | (Remote tuner Hong Kong)   | JPL | MON |
|            |          | 1420z | 25 Nov | V Q2M (x3) DE NYZ (x2) (R5) QSA ? K                                                                            | (Remote tuner South Korea) | JPL | TUE |
|            |          | 1820z | 03 Dec | V Q2M (x3) DE NYZ (x2) (R5) QSA ? K                                                                            | (Remote tuner Japan)       | JPL | WED |
|            |          | 1920z | 03 Dec | V Q2M (x3) DE NYZ (x2) (R5) QSA ? K                                                                            | (Remote tuner Japan)       | JPL | WED |
|            |          | 1120z | 04 Dec | V Q2M (x3) DE NYZ (x2) (R5) QSA ? K                                                                            | (Remote tuner Hong Kong)   | JPL | THU |
|            |          | 1620z | 04 Dec | V Q2M (x3) DE NYZ (x2) (R5) QSA ? K                                                                            | (Remote tuner Hong Kong)   | JPL | THU |
|            |          | 1820z | 05 Dec | V Q2M (x3) DE NYZ (x2) (R5) QSA ? K                                                                            | (Remote tuner Japan)       | JPL | FRI |
|            |          | 1820z | 06 Dec | V Q2M (x3) DE NYZ (x2) (R5) QSA ? K                                                                            | (Remote tuner Japan)       | JPL | SAT |
|            |          | 2120z | 07 Dec | V Q2M (x3) DE NYZ (x2) (R5) QSA ? K                                                                            | (Remote tuner Japan)       | JPL | SUN |
|            |          | 1720z | 11 Dec | V Q2M (x3) DE NYZ (x2) (R5) QSA ? K                                                                            | (Remote tuner Japan)       | JPL | THU |
|            |          | 1720z | 18 Dec | V Q2M (x3) DE NYZ (x2) (R5) QSA ? K                                                                            | (Remote tuner Hong Kong)   | JPL | THU |
|            |          | 1220z | 19 Dec | V Q2M (x3) DE NYZ (x2) (R5) QSA ? K                                                                            |                            |     |     |
|            |          | 1420z | 19 Dec | V Q2M (x3) DE NYZ (x2) (R5) QSA ? K                                                                            | (Remote tuner Hong Kong)   | JPL | FRI |
|            |          | 1220z | 22 Dec | V Q2M (x3) DE NYZ (x2) (R5) QSA ? K                                                                            | (Remote tuner Japan)       | JPL | MON |
|            |          | 1720z | 23 Dec | V Q2M (x3) DE NYZ (x2) (R5) QSA ? K                                                                            | (Remote tuner Japan)       | JPL | TUE |
|            |          | 1820z | 24 Dec | V Q2M (x3) DE NYZ (x2) (R5) QSA ? K                                                                            | (Remote tuner Japan)       | JPL | WED |
|            |          | 1620z | 28 Dec | V Q2M (x3) DE NYZ (x2) (R5) QSA ? K                                                                            | (Remote tuner South Korea) | JPL | SUN |
| 4873       | (In tfc) | 1325z | 16 Nov | F NR 020/EX 2124 RMKS 8044 TO 8025 BT AC20/ZDBH AR<br>NR 21 CK 71 34 1116 2100 RMKS 8044 TO 8025 BT            | (Remote tuner Japan)       | JPL | SUN |
| 5088       | (In tfc) | 1215z | 24 Dec | RMKS 1830 3648 TO 3888 BT                                                                                      | (Remote tuner Japan)       | JPL | WED |
| 5150       |          | 1430z | 22 Nov | VVV WNF (x3) DE FXM (X2) (R5) QSA ? K                                                                          | (Remote tuner Hong Kong)   | JPL | SAT |
| 5200       | (In tfc) | 1758z | 22 Dec | NR 57 CK 47 BT (5 ltr code - lost SDR)                                                                         | (Remote tuner Hong Kong)   | JPL | MON |
| 5205.5     | (In tfc) | 1207z | 02 Nov | ABCDEFGHIJKLMNPOQRSTUVWXYZ TAU34567DN III AS VA M BT (Con't)<br>(Sending on 6 freqs from 5205.5kHz to 5208kHz) | (Remote tuner Japan)       | JPL | SUN |





5205.5kHz 1207z Sun 02 Nov

Signal Sent on 6 Freqs. From 5205kHz to 5208kHz

Courtesy JPL

|        |          |       |        |                                                                                                                                                                                                                                                            |                            |     |     |
|--------|----------|-------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----|-----|
| 5237   | (In tfc) | 1427z | 25 Nov | NR 1515 CK 77 86 1125 2200 RMKS 1599 TO 8582 BT                                                                                                                                                                                                            | (Remote tuner South Korea) | JPL | TUE |
| 5394   | (In tfc) | 1707z | 29 Dec | In tfc - Q and Z signals - 7IIP R K                                                                                                                                                                                                                        | (Remote tuner Taiwan)      | JPL | MON |
| 5412   | (In tfc) | 1233z | 05 Nov | NR 1672/EX 1233 BT 9GJ/X7A AR (VERY WEAK COPY)<br>NR 1672/EX 1233 BT S8/X89A AR QSY 62<br>FFF NR 1673/EC 1230 BT6/GUC AR QSY<br>NR 1//EX 12BT ../GH AR QSY 63 QSY 63<br>FFF NR 1674/EX 1239 BT O8F1/S4N AR QSY 64 VVV<br>FFF NR 1675/EX 1242 BT A8V1/.1 AR | (Remote tuner Japan)       | JPL | WED |
| 5441   | (In tfc) | 1245z | 24 Dec | F NR 3851/EX 2040 RMKS 0002 TO 0080 BT CA/MD AR                                                                                                                                                                                                            | (Remote tuner Japan)       | JPL | WED |
| 5498   | (In tfc) | 1248z | 20 Nov | TO 7212 725. 7250 7263 BT                                                                                                                                                                                                                                  | (Remote tuner Japan)       | JPL | THU |
| 5500   | (In tfc) | 1349z | 16 Nov | NR 12 (SDR timeout)                                                                                                                                                                                                                                        | (Remote tuner Japan)       | JPL | SUN |
| 5501   | (In tfc) | 1225z | 24 Dec | 1820 RMKS GP2F TO LPPA 2O 994B5 NR 012<br>NR 012 CK 129 24 1224 1815 RMKS 2626 TO 2719 BT<br>NR 012 CK 129 24 1224 1815 RMKS 2626 TO 2719 BT<br>NR 012 CK 129 24 1224 1815 RMKS 2626 TO 2719 BT (Keeps to sending msg header - Op practicing?)             | (Remote tuner Japan)       | JPL | WED |
| 5551   | (In tfc) | 1231z | 24 Nov | NR 192 CK 81 88 1124 2046 RMKS 9476 TO 9683 BT                                                                                                                                                                                                             | (Remote tuner Japan)       | JPL | MON |
| 5577   | (In tfc) | 1243z | 10 Nov | NR 8472 CK 59 48 1110 2030 RMKS 9506 TO 0023 BT                                                                                                                                                                                                            | (Remote tuner Shanghai)    | JPL | MON |
| 5586.5 | (In tfc) | 1207z | 09 Nov | ABCDEFGHJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M BT (Con't)                                                                                                                                                                                                | (Remote tuner Japan)       | JPL | SUN |
|        | (In tfc) | 1159z | 10 Nov | ABCDEFGHJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M BT (Con't)                                                                                                                                                                                                | (Remote tuner Shanghai)    | JPL | MON |
|        | (In tfc) | 1556z | 10 Nov | ABCDEFGHJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M BT (Con't)                                                                                                                                                                                                | (Remote tuner Japan)       | JPL | MON |
|        | (In tfc) | 1859z | 10 Nov | ABCDEFGHJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M BT (Con't)                                                                                                                                                                                                | (Remote tuner Japan)       | JPL | MON |
|        | (In tfc) | 1239z | 13 Nov | ABCDEFGHJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M BT (Con't)                                                                                                                                                                                                | (Remote tuner Japan)       | JPL | THU |
|        | (In tfc) | 1546z | 13 Nov | ABCDEFGHJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M BT (Con't)                                                                                                                                                                                                | (Remote tuner Taiwan)      | JPL | THU |
|        | (In tfc) | 1905z | 13 Nov | ABCDEFGHJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M BT (Con't)                                                                                                                                                                                                | (Remote tuner South Korea) | JPL | THU |
|        | (In tfc) | 1224z | 14 Nov | ABCDEFGHJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M BT (Con't)                                                                                                                                                                                                | (Remote tuner Japan)       | JPL | FRI |
|        | (In tfc) | 1213z | 15 Nov | ABCDEFGHJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M BT (Con't)                                                                                                                                                                                                | (Remote tuner Japan)       | JPL | SAT |
|        | (In tfc) | 1307z | 16 Nov | ABCDEFGHJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M BT (Con't)                                                                                                                                                                                                | (Remote tuner Japan)       | JPL | SUN |
|        | (In tfc) | 1853z | 17 Nov | ABCDEFGHJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M BT (Con't)                                                                                                                                                                                                | (Remote tuner Japan)       | JPL | MON |
|        | (In tfc) | 1312z | 18 Nov | ABCDEFGHJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M BT (Con't)                                                                                                                                                                                                | (Remote tuner Japan)       | JPL | TUE |
|        | (In tfc) | 1636z | 19 Nov | ABCDEFGHJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M BT (Con't)                                                                                                                                                                                                | (Remote tuner Japan)       | JPL | WED |
|        | (In tfc) | 1247z | 20 Nov | ABCDEFGHJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M BT (Con't)                                                                                                                                                                                                | (Remote tuner Japan)       | JPL | THU |
|        | (In tfc) | 1725z | 20 Nov | ABCDEFGHJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M BT (Con't)                                                                                                                                                                                                | (Remote tuner Taiwan)      | JPL | THU |
|        | (In tfc) | 1303z | 21 Nov | ABCDEFGHJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M BT (Con't)                                                                                                                                                                                                | (Remote tuner Japan)       | JPL | FRI |
|        | (In tfc) | 1640z | 21 Nov | ABCDEFGHJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M BT (Con't)                                                                                                                                                                                                | (Remote tuner Shanghai)    | JPL | FRI |
|        | (In tfc) | 1205z | 22 Nov | ABCDEFGHJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M BT (Con't)                                                                                                                                                                                                | (Remote tuner Japan)       | JPL | SAT |
|        | (In tfc) | 1255z | 23 Nov | ABCDEFGHJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M BT (Con't)                                                                                                                                                                                                | (Remote tuner Japan)       | JPL | SUN |
|        | (In tfc) | 1804z | 27 Nov | ABCDEFGHJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M BT (Con't)                                                                                                                                                                                                |                            |     |     |

Note: Back on 5586.5 kHz following its brief change to 4572.5 kHz

|            |          |       |        |                                                                                                    |                            |     |     |
|------------|----------|-------|--------|----------------------------------------------------------------------------------------------------|----------------------------|-----|-----|
|            | (in tfc) | 1919z | 03 Dec | ABCDEFGHIJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M BT (Con't)                                       | (Remote tuner Japan)       | JPL | THU |
|            |          |       |        |                                                                                                    | (Remote tuner Japan)       | JPL | WED |
| 5656       | (In tfc) | 1314z | 18 Nov | NR .. RMKS .... TO ..... BT (Extremely weak)                                                       | (Remote tuner Japan)       | JPL | TUE |
| 5672       |          | 1240z | 10 Nov | Y3JI DE N6WX (Repeated)                                                                            | (Remote tuner Shanghai)    | JPL | MON |
|            |          | 1640z | 19 Nov | Y3JI DE N6WX (Repeated)                                                                            | (Remote tuner Japan)       | JPL | WED |
|            |          | 1244z | 20 Nov | Y3JI DE N6WX (Repeated)                                                                            | (Remote tuner Japan)       | JPL | THU |
|            |          | 1802z | 19 Dec | Y3JI DE N6WX (Repeated)                                                                            | (Remote tuner Japan)       | JPL | FRI |
| 5680       |          | 1230z | 07 Nov | OHB DE WLC (R5) QSA ? K<br>Note: Previously sent GHB INSTEAD OF OHB.                               | (Remote tuner Hong Kong)   | JPL | FRI |
| 5687       | FGD3     | 1239z | 19 Nov | NR 103 CK 49 93 053 1119 30 RMKS 3876 TO 4135 BT                                                   | (Remote tuner South Korea) | JPL | WED |
| 5741       |          | 1244z | 19 Nov | V 3JWV (x3) DE QSVP (x2)<br>375/1783/5222//56/1550/553/B AR                                        | (Remote tuner South Korea) | JPL | WED |
| 5742       |          | 1950z | 16 Nov | V 3JWV (x3) DE QH4P (x2) Note: Now using QH4P                                                      | (Remote tuner Thailand)    | JPL | SUN |
|            |          | 1218z | 19 Dec | V 3JWV (x3) DE QH4P (x2)                                                                           | (Remote tuner Japan)       | JPL | FRI |
| 5776       | (In tfc) | 1251z | 19 Nov | NR 152 CK 81 77 11119 2037 RMKS 9471 TO .684 BT                                                    | (Remote tuner South Korea) | JPL | WED |
| 5796       | (In tfc) | 1642z | 17 Nov | F NR 4491/EX 0139 RMKS 8959 TO 8933 BT 4.N/NYJ AR (V.Weak)                                         | (Remote tuner Japan)       | JPL | MON |
| 5878       | (In tfc) | 1802z | 05 Dec | RMKS 4333 TO 4623 BT                                                                               | (Remote tuner Japan)       | JPL | FRI |
| 6323       | (In tfc) | 1247z | 13 Nov | NR 0733 CK 49 29 1113 248 RMKS 5410 TO 5410 BT                                                     | (Remote tuner Japan)       | JPL | THU |
|            | (In tfc) | 1233z | 20 Nov | NR 051 CK 39 .. 1120 RMKS 5411 TO 5410 K                                                           | (Remote tuner Japan)       | JPL | THU |
| 6256       | (In tfc) | 1852z | 03 Dec | NR 339 CK 30 78 1204 0200 RMKS SSN TO .MMM BT (V.Weak)                                             | (Remote tuner Japan)       | JPL | WED |
| 6516       | (In tfc) | 2332z | 29 Dec | In tfc - OTA 2336z - Appears to be a broadcast                                                     | (Remote tuner Japan)       | JPL | MON |
| 6565       | (In tfc) | 1218z | 10 Nov | F NR 3489 NR 4475 4000 /EX SK SK 3585 5506 BT VVV                                                  | (Remote tuner Shanghai)    | JPL | MON |
| 6754       | (In tfc) | 1108z | 09 Dec | F NR .../EX .... BT ./... AR QSY TO 11 VVV                                                         | (Remote tuner Japan)       | JPL | TUE |
| 6840       |          | 1320z | 16 Nov | V Q2M (x3) DE NYZ (x2) (R5)                                                                        | (Remote tuner Japan)       | JPL | SUN |
|            |          | 1220z | 20 Nov | V Q2M (x3) DE NYZ (x2) (R5)                                                                        | (Remote tuner Japan)       | JPL | THU |
|            |          | 2020z | 30 Nov | V Q2M (x3) DE NYZ (x2) (R5) QRU ? K                                                                | (Remote tuner Japan)       | JPL | SUN |
|            |          | 2320z | 08 Dec | V Q2M (x3) DE NYZ (x2) (R5) QRU ? K                                                                | (Remote tuner Japan)       | JPL | MON |
|            |          | 1820z | 24 Dec | V Q2M (x3) DE NYZ (x2) (R5) QSA ? K                                                                | (Remote tuner Japan)       | JPL | WED |
| 6840//8290 |          | 0120z | 22 Nov | V Q2M (x3) DE NYZ (x2) (R5) QRU ? K                                                                | (Remote tuner Hong Kong)   | JPL | SAT |
|            |          | 1020z | 27 Nov | V Q2M (x3) DE NYZ (x2) (R5) QRU ? K                                                                | (Remote tuner Japan)       | JPL | THU |
|            |          | 1020z | 09 Dec | V Q2M (x3) DE NYZ (x2) (R5) QRU ? K                                                                | (Remote tuner Japan)       | JPL | TUE |
| 7139       | (In tfc) | 1752z | 24 Nov | NR 209 CK 218 91 1125 0040 RMKS 20CG TO HH BT                                                      | (Remote tuner Japan)       | JPL | MON |
| 7636       | (In tfc) | 1249z | 02 Nov | NR 5256 CK 99 47 1102 2030 RMKS 5039 TO 2133 BT                                                    | (Remote tuner Japan)       | JPL | SUN |
| 7768       |          | 1918z | 09 Dec | Y3JI DE N6WX (Repeated)                                                                            | (Remote tuner Japan)       | JPL | TUE |
| 7778       | (In tfc) | 1035z | 09 Dec | TO 1888 BT                                                                                         | (Remote tuner Japan)       | JPL | TUE |
| 7825       | MXN6     | 0044z | 22 Nov | DE MXN6 (In tfc) F NR 0651/EX 0841 RMKS CQ BT 621E/50 AR                                           | (Remote tuner Hong Kong)   | JPL | SAT |
| 7975       | (In tfc) | 1155z | 10 Nov | NR 131. CK 99 81 1110 1710 RMKS 1566 TO1562 BT                                                     | (Remote tuner Shanghai)    | JPL | MON |
| 8117       | (In tfc) | 1127z | 05 Nov | RMKS 2196 TO 2549 BT                                                                               | (Remote tuner Hong Kong)   | JPL | WED |
| 8224.5     | (In tfc) | 2256z | 04 Dec | ABCDEFGHIJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M BT (Con't)                                       | (Remote tuner Japan)       | JPL | THU |
| 8689       | MXN6     | 1052z | 27 Nov | DE MXN6 (In tfc)<br>F NR 0829/EX 1847 RMK CQ BT N0/C4 AR<br>NR 289 3 CK 65 79 1127 1830 RMKS CQ BT | (Remote tuner Japan)       | JPL | THU |
| 9949       | (In tfc) | 0052z | 28 Dec | NR .... CK 95 49 1230 0852 RMKS 4033 TO 7339 BT                                                    | (Remote tuner Taiwan)      | JPL | TUE |
| 10481      | P9TK     | 0103z | 22 Nov | DE P9TK (In tfc)                                                                                   | (Remote tuner Hong Kong)   | JPL | SAT |

## M95 / Q26 O

### Digital vs Morse

Jean-Paul (JPL), reports that he is seeing more digital content of late. Q26 is the digital sister of V26/M95. Mode: which uses 4+4 QPSK 75/3000 LSB

Included in this column are several decodes of the Q26 messages. The messages are sent in Q26 followed by the same message in Morse. Is this a transition period that will eventually see the Morse element removed, with the Q26 mode becoming the sole method of transmission?

**M95 Morse Logs (Bold type indicates new logging)**

|                    |                                    |                 |                                                                                                                                                                               |                            |     |     |
|--------------------|------------------------------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----|-----|
| 3374               | 1832z                              | 03 Dec          | WCJJ (x3) DE HBDD (x2)<br>BT 280/0435/9876/04/63/6866/046/B AR                                                                                                                | (Remote tuner Japan)       | JPL | WED |
| 3903               | Call Sign HBDD                     | Replaced        | SAQC on 3968, 6936, 5479 & 10722kHz                                                                                                                                           |                            |     |     |
|                    | 1905z                              | 16 Nov          | V WCJJ (x3) DE HBDD (x2)                                                                                                                                                      | (Remote tuner Thailand)    | JPL | SUN |
|                    | 1854z                              | 09 Dec          | V WCJJ (x3) DE HBDD (x2)                                                                                                                                                      | (Remote tuner Japan)       | JPL | TUE |
| 3903// <b>4908</b> | Call Sign HBDD                     |                 |                                                                                                                                                                               |                            |     |     |
|                    | 1725z                              | 24 Nov          | V WCJJ (x3) DE HBDD (x2)                                                                                                                                                      | (Remote tuner Japan)       | JPL | MON |
| 3903//6886         | Call Sign V WCJJ (x3) DE HBDD (x2) |                 | Replaced YHDX DE SAQC on 3968, 6936, 5479 & 10722kHz                                                                                                                          |                            |     |     |
|                    | 1159z                              | 02 Nov          | V WCJJ (x3) DE HBDD (x2)                                                                                                                                                      | (Remote tuner Japan)       | JPL | SUN |
|                    | 1233z                              | 03 Nov          | V WCJJ (x3) DE HBDD (x2)                                                                                                                                                      | (Remote tuner Japan)       | JPL | MON |
|                    | 1700z                              | 08 Nov          | V WCJJ (x3) DE HBDD (x2)                                                                                                                                                      | (Remote tuner Japan)       | JPL | SAT |
|                    | 1826z                              | 09 Nov          | V WCJJ (x3) DE HBDD (x2)                                                                                                                                                      | (Remote tuner Japan)       | JPL | SUN |
|                    | 1547z                              | 10 Nov          | V WCJJ (x3) DE HBDD (x2)                                                                                                                                                      | (Remote tuner Japan)       | JPL | MON |
|                    | 1907z                              | 10 Nov          | V WCJJ (x3) DE HBDD (x2)                                                                                                                                                      | (Remote tuner Japan)       | JPL | MON |
|                    | 1833z                              | 13 Nov          | V WCJJ (x3) DE HBDD (x2)                                                                                                                                                      | (Remote tuner South Korea) | JPL | THU |
|                    | 1608z                              | 15 Nov          | V WCJJ (x3) DE HBDD (x2)                                                                                                                                                      | (Remote tuner Japan)       | JPL | SAT |
|                    | 1313z                              | 16 Nov          | V WCJJ (x3) DE HBDD (x2)                                                                                                                                                      | (Remote tuner Japan)       | JPL | SUN |
|                    | 1837z                              | 17 Nov          | V WCJJ (x3) DE HBDD (x2)                                                                                                                                                      | (Remote tuner Japan)       | JPL | MON |
|                    | 1618z                              | 19 Nov          | V WCJJ (x3) DE HBDD (x2)                                                                                                                                                      | (Remote tuner Japan)       | JPL | WED |
|                    | 1625z                              | 21 Nov          | V WCJJ (x3) DE HBDD (x2)                                                                                                                                                      | (Remote tuner Shanghai)    | JPL | FRI |
|                    | 1200z                              | 22 Nov          | V WCJJ (x3) DE HBDD (x2)                                                                                                                                                      | (Remote tuner Japan)       | JPL | SAT |
|                    | 1417z                              | 25 Nov          | V WCJJ (x3) DE HBDD (x2)                                                                                                                                                      | (Remote tuner South Korea) | JPL | TUE |
|                    | 1744z                              | 27 Nov          | V WCJJ (x3) DE HBDD (x2)                                                                                                                                                      | (Remote tuner Japan)       | JPL | THU |
|                    | 1943z                              | 29 Nov          | V WCJJ (x3) DE HBDD (x2)                                                                                                                                                      | (Remote tuner Japan)       | JPL | SAT |
|                    | 2006z                              | 30 Nov          | V WCJJ (x3) DE HBDD (x2)                                                                                                                                                      | (Remote tuner Japan)       | JPL | SUN |
|                    | 1828z                              | 03 Dec          | V WCJJ (x3) DE HBDD (x2)                                                                                                                                                      | (Remote tuner Japan)       | JPL | WED |
|                    | 2130z                              | 07 Dec          | V WCJJ (x3) DE HBDD (x2)                                                                                                                                                      | (Remote tuner Japan)       | JPL | SUN |
|                    | 1740z                              | 08 Dec          | V WCJJ (x3) DE HBDD (x2)                                                                                                                                                      | (Remote tuner Japan)       | JPL | MON |
|                    | 1727z                              | 11 Dec          | V WCJJ (x3) DE HBDD (x2)                                                                                                                                                      | (Remote tuner Japan)       | JPL | THU |
|                    | 1626z                              | 16 Dec          | V WCJJ (x3) DE HBDD (x2)                                                                                                                                                      | (Remote tuner Japan)       | JPL | TUE |
|                    | 1250z                              | 19 Dec          | V WCJJ (x3) DE HBDD (x2)                                                                                                                                                      | (Remote tuner Japan)       | JPL | FRI |
| 4156//9042         | 1150z                              | (In M95) 02 Nov | In M95 – 1154z                                                                                                                                                                | (Remote tuner Japan)       | JPL | SUN |
|                    | 1154z                              | (In M95) 07 Nov | NR 14 CK 142 35 1107 1532 BT<br>NR 051 CK 16 35 1107 1618 BT                                                                                                                  | (Remote tuner Japan)       | JPL | FRI |
|                    | 1203z                              | (In M95) 09 Nov | In M95 – 1203z                                                                                                                                                                | (Remote tuner Japan)       | JPL | SUN |
|                    | 1159z                              | (In M95) 13 Nov | In M95                                                                                                                                                                        | (Remote tuner Japan)       | JPL | THU |
|                    | 1155z                              | (In M95) 09 Nov | NR 019 CK 38 35 1111 1446 BT<br>NR 072 CK 21 35 1114 1506 BT<br>NR 28 CK 125 35 1114 1508 BT                                                                                  | (Remote tuner Japan)       | JPL | FRI |
|                    | 1153z                              | 18 Nov          | In Q26 - Into M95 – 1155z<br>NR 36 CK 165 35 1118 1522 BT                                                                                                                     | (Remote tuner Japan)       | JPL | TUE |
|                    | 1156z                              | (In M95) 19 Nov | NR 38 CK 159 35 1119 1531 BT                                                                                                                                                  | (Remote tuner Japan)       | JPL | WED |
|                    | 1200z                              | 20 Nov          | In M95                                                                                                                                                                        | (Remote tuner Japan)       | JPL | THU |
|                    | 2340z                              | 21 Nov          | Into V26 - Into Q26 -2342z - In M95 2349z<br>NR 094 CK 15 35 1122 0608 BT<br>NR 034 CK 30 35 1122 0630 BT<br>NR 43 CK 073 35 1122 0649 BT                                     | (Remote tuner Japan)       | JPL | FR  |
|                    | 1153z                              | (In M95) 22 Nov | NR 045 CK38 35 1122 1453 BT<br>NR 44 CK 188 35 1122 1508 BT                                                                                                                   | (Remote tuner Japan)       | JPL | SAT |
|                    | 1205z                              | (In M95) 02 Dec | In M95 – Too weak to copy                                                                                                                                                     | (Remote tuner Japan)       | JPL | TUE |
|                    | 1155z                              | (In M95) 04 Dec | In M95 - 1200z<br>NR 059 CK 44 35 1204 1517 BT<br>NR 08 CK 196 35 1204 1610 BT                                                                                                | (Remote tuner Japan)       | JPL | THU |
|                    | 2340z                              | 08 Dec          | Into V26 - Into Q26 - 2343z - Into M95 - 2348z<br>NR 02 CK 26 49 1208 1748 BT<br>NR 063 CK 18 35 1209 0607 BT<br>NR 068 CK 17 35 1209 0635 BT<br>NR 17 CK 065 35 1209 0648 BT | (Remote tuner Japan)       | JPL | MON |
|                    | 1157z                              | (In M95) 09 Dec | NR 28 CK 083 35 1209 1448 BT<br>NR 069 CK 30 35 1209 1530 BT<br>NR 065 CK 22 35 1209 1558 BT                                                                                  | (Remote tuner Japan)       | JPL | TUE |
|                    | 1214z                              | (In M95) 19 Dec | V BNGC DE XS30 NR 1299 CK 615 35 1222 1632 BT (Only copied one of the msgs)<br>NR 03 CK 23 35 1219 1634 BT                                                                    | (Remote tuner Japan)       | JPL | FRI |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |                                                                    |           |                                                                                                                                              |                          |     |                                                                                                                     |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1153z          | (In M95)                                                           | 22 Dec    | NR 03 CK 28 35 1222 1400 BT<br>NR 095 CK 60 35 1222 1457 BT<br>NR 44 CK 180 35 1222 1523 BT                                                  | (Remote tuner Japan)     | JPL | MON                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1151z          | (Into M95)                                                         | 28 Dec 25 | NR 008 CK 59 35 1228 1515 BT                                                                                                                 | (Remote tuner Japan)     | JPL | SUN                                                                                                                 |
| 4225                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1042z          |                                                                    | 04 Dec    | Into Q26 - Short transmissions) Q26                                                                                                          | (Remote tuner Japan)     | JPL | THU                                                                                                                 |
| 4225//9392                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Call Sign XS24 | Note: New frequencies & Call Sign Previously XSV70 on 9153 // 4283 |           |                                                                                                                                              |                          |     |                                                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2330z          |                                                                    | 21 Nov    | NR 1058 CK 92 35 1122 0711 82 BT                                                                                                             | (Remote tuner Japan)     | JPL | FRI                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2320z          |                                                                    | 23 Nov    | Into V26 - Into Q26 – 2323z - Into M95 - 2329z<br>V BNEC (x3) DE XS24 (z2)<br>NR 1063 CK 141 35 1124 0707 83 BT                              | (Remote tuner Japan)     | JPL | SUN                                                                                                                 |
| <div><div><div>Q26/M95 42253//9392kHz 2320z 23 November 2025<br/>BNEC BNEC BNEC DE VS24 VS24 F<br/>BNEC BNEC BNEC DE VS24 VS24 F<br/>BNEC BNEC BNEC DE VS24 VS24 F<br/>BNEC BNEC BNEC DE VS24 VS24 F<br/><br/>HR MSG TO YR PSE NOTE CY<br/>NR1063 CK141 35 1124 0707 --<br/>008 203 024 324 314 004 773 353 411 445<br/>938 447 486 338 758 482 382 938 384 005<br/>773 353 938 354 372 411 445 938 448 469<br/>486 758 483 382 938 385 006 773 351 246<br/>353 411 445 938 447 468 486 338 758 482<br/>382 938 384 008 773 351 246 353 418 938<br/>415 445 938 447 468 486 338 758 482 382<br/>938 384 009 773 351 246 353 403 938 415<br/>445 938 448 469 486 382 938 385 010 773<br/>351 246 353 403 446 938 447 486 338 483-1<br/>382 938 383 011 773 357 403 445 466 938<br/>447 486 382 938 383 012 773 353 403 446<br/>938 447 468 486 382 938 384 013 773 353<br/>372 403 446 938 447 486 758 483 382 938<br/>383</div></div><div><div>MSG AGN<br/>NR1063 CK141 35 1124 0707 --<br/>008 203 024 324 314 004 773 353 411 445<br/>938 447 486 338 758 482 382 938 384 005<br/>773 353 938 354 372 411 445 938 448 469<br/>486 758 483 382 938 385 006 773 351 246<br/>353 411 445 938 447 468 486 338 758 482<br/>382 938 384 008 773 351 246 353 418 938<br/>415 445 938 447 468 486 338 758 482 382<br/>938 384 009 773 351 246 353 403 938 415<br/>445 938 448 469 486 382 938 385 010 773<br/>351 246 353 403 446 938 447 486 338 483-1<br/>382 938 383 011 773 357 403 445 466 938<br/>447 486 382 938 383 012 773 353 403 446<br/>938 447 468 486 382 938 384 013 773 353<br/>372 403 446 938 447 486 758 483 382 938<br/>383<br/>ZNN SK</div><div>Courtesy JPL (Thanks to Eddy &amp; AB)</div></div></div> |                |                                                                    |           |                                                                                                                                              |                          |     |                                                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2318z          | (In M95)                                                           | 27 Nov    | NR 10.. CK 112 35 1128 0654 823 BT                                                                                                           | (Remote tuner Japan)     | JPL | THU                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2325z          |                                                                    | 04 Dec    | In Q26 - Into M95 - 2329z<br>BNEC (x3) DE XS24 (x2) NR 1096 CK 101 35 1205 0703 ... BT                                                       | (Remote tuner Japan)     | JPL | THU                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2323z          |                                                                    | 08 Dec    | Into V26 - Into Q26 - 2325z -Into M95 - 2329z<br>V BNEC DE XS24 NR 1108 CK 120 35 1209 0704 BT                                               | (Remote tuner Japan)     | JPL | MON                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2320z          |                                                                    | 29 Dec    | Into V26 - Into Q26 - 2321z -Into M95 - 2323z<br>V BNEC DE XS24 NR 1171 CK 121 35 1230 0701 BT                                               | (Remote tuner Japan)     | JPL | MON                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0042z          | (In tfc)                                                           | 30 Dec    | In tfc - 3 Fig NR 1171 CK 121 35 1230 0701 BT                                                                                                | (Remote tuner Taiwan)    | JPL | TUE                                                                                                                 |
| 4334                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1100z          |                                                                    | 27 Nov    | Into Q26 tfc - OTA 1120z                                                                                                                     | (Remote tuner Japan)     | JPL | THU                                                                                                                 |
| 4357                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1906z          |                                                                    | 03 Dec    | V WCJJ (x3) DE HBDD (x2)<br>BT 280/0021/4555/044/63/6889/B (Very weak)                                                                       | (Remote tuner Japan)     | JPL | WED                                                                                                                 |
| 4432.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2308z          | (In Q26)                                                           | 04 Dec    | In Q26 - Q26                                                                                                                                 | (Remote tuner Shanghai)  | JPL | THU                                                                                                                 |
| 4455                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1650z          | (In tfc)                                                           | 17 Nov    | NR 011/EX 0050 BT Y5D4/G3KB AR<br>NR 012/CCK CK 30 1118 0050 RMKS 9378 TO 6247 BT                                                            | (Remote tuner Japan)     | JPL | MON                                                                                                                 |
| 4468                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1256z          | (In tfc)                                                           | 02 Nov    | NR 008/CCK CK 91 68 1103 2054 RMKS 1234 TO 5678 K<br>(Remote tuner Japan)                                                                    | JPL                      | SUN | Note: I think this as a practice as the actual msg was not sent, yet msg was QSLed for. The RMKS is 1234 to 5678... |
| 4542//6876                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Call Sign XS30 |                                                                    |           |                                                                                                                                              |                          |     |                                                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1140z          |                                                                    | 02 Nov    | In Q26 - Into M95 1149z<br>V BNGC DE XS30 NR 1048 CK 635 35 1102 1629 BT                                                                     | (Remote tuner Tawin)     | JPL | SUN                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1131z          |                                                                    | 05 Nov    | In Q26 - Into M95 1152z<br>V BNGC DE XS30 NR 1067 CK 053 35 1105 1208 BT<br>NR 1068 CK 045 35 1105 1626 BT<br>NR 1069 CK 054 35 1105 1628 BT | (Remote tuner Hong Kong) | JPL | WED                                                                                                                 |

NR 1070 CK 754 35 1105 1630 BT

|       |                 |                                                                                                                          |                              |     |     |
|-------|-----------------|--------------------------------------------------------------------------------------------------------------------------|------------------------------|-----|-----|
| 1130z | 07 Nov          | Into V26 - Into Q26 -1132z - Into M95 1149z<br>V BNGC DE XS30 NR 1083 CK 641 35 1107 1647 BT                             | (Remote tuner Hong Kong)     | JPL | FRI |
| 1130z | 09 Nov          | Into Q26 -1130z - Into M95 1155z<br>V BNGC DE XS30 NR 1091 CK 054 35 1109 1630 BT<br>NR 1092 CK 954 35 1109 1631 BT      | (Remote tuner Hong Kong)     | JPL | SUN |
| 1152z | 13 Nov          | In M95                                                                                                                   | (Remote tuner Hong Kong)     | JPL | THU |
| 1131z | 14 Nov          | In Q26 - Into M95 1146z<br>V BNGC DE XS30 NR 1113 CK 37 35 1114 1629 BT<br>NR 1114 CK 550 35 1114 1635 BT                | (Remote tuner Hong Kong)     | JPL | FRI |
| 1145z | 18 Nov          | In Q26 - Into M95 1148z<br>V BNGC DE XS30 NR 1129 CK 648 35 1118 1636 BT                                                 | (Remote tuner Hong Kong)     | JPL | TUE |
| 1135z | 19 Nov          | In Q26 - Into M95 1147z<br>V BNGC DE XS30 NR 1133 CK 045 35 1119 1633 BT<br>NR 1134 CK 634 35 1119 1645 BT               | (Remote tuner Hong Kong)     | JPL | WED |
| 1152z | 20 Nov          | In M95 - BNGC DE XS30                                                                                                    | (Remote tuner Hong Kong)     | JPL | THU |
| 0001z | 22 Nov          | Into V26 - In Q26 – 0003z - Into M95 0012z<br>V BNGC DE XS30 NR 1143 CK 244 35 1122 0655 BT ( Only copied 1 of the msgs) | (Remote tuner Hong Kong)     | JPL | SAT |
| 1131z | 22 Nov          | In Q26 - Into M95 1145z<br>V BNGC DE XS30 NR 1145 CK 539 35 1122 1517 BT                                                 | (Remote tuner Hong Kong)     | JPL | SAT |
| 1135z | 02 Dec          | In Q26 - Into M95 1149z<br>V BNGC DE XS30 NR 1218 CK 690 35 1202 1613 BT (Only copied 1 of the messages)                 | (Remote tuner South Vietnam) | JPL | TUE |
| 1131z | 04 Dec          | In Q26 - Into M95 1144z<br>V BNGC DE XS30 NR 1225 CK 54313 35 1204 15.. BT (Only copied 1 of the messages)               | (Remote tuner Hong Kong)     | JPL | THU |
| 0001z | 09 Dec          | In Q26 - Into M95 – 0010z<br>V BNGC DE XS30 NR 1243 CK 239 35 1209 0657 BT                                               | (Remote tuner Hong Kong)     | JPL | TUE |
| 1136z | 09 Dec          | In Q26 - Into M95 – 1148z<br>V BNGC DE XS30 NR 1246 CK 31 35 1209 15 BT<br>NR 1248 CK 600 35 1209 1604 BT                | (Remote tuner Hong Kong)     | JPL | TUE |
| 1132z | 19 Dec          | In Q26 - OTA 1207z<br>Note: Did not go into M95 - (V BNGC DE XS30)                                                       | (Remote tuner Hong Kong)     | JPL | FRI |
| 1130z | 22 Dec          | Into V26 - USB - Chinese - Female - In Q26 -1131z - Into M95 – 1147z<br>(Remote tuner Hong Kong)                         | (Remote tuner Hong Kong)     | JPL | MON |
| 1142z | 28 Dec          | In Q26 - Into M95 – 1144z<br>V BNGC DE XS30 NR 1327 CK 453 35 1228 1609 BT                                               | (Remote tuner Hong Kong)     | JPL | SUN |
| 0001z | 30 Dec          | In Q26 - Into M95 - 0009z<br>V BNGC DE XS30 NR 1325 CK 189 35 1230 0638 BT                                               | (Remote tuner Hong Kong)     | JPL | TUE |
| 4612  | 1300z           | (In tfc) 23 Dec M95                                                                                                      | (Remote tuner Japan)         | JPL | TUE |
| 4658  | 1208z           | (In tfc) 22 Dec NR ../CCK CK 398 15 1222 1. 30 RMKS 3886 TO 2821 BT (V.Weak)                                             | (Remote Japan)               | JPL | MON |
| 5044  | 1818z           | (In tfc) 22 Nov (In tfc) RPT NR 178/CCK 178                                                                              | (Remote tuner Japan)         | JPL | SAT |
| 5187  | 1309z           | (In tfc) 23 Dec (In tfc) F NR 82/EX 0800 RMKS 88 193 ... (Faded out)                                                     | (Remote tuner Japan)         | JPL | TUE |
| 5232  | 1234z           | (In tfc) 14 Nov NR 070/CCK CK 51 28 1114 RMKS 958 TO .804.. 815 0135 BT (Very weak)                                      | (Remote tuner Japan)         | JPL | FR  |
| 1604z | (In tfc) 28 Dec | NR 152/CCK CK 36 51 1229 010. RMKS 4579 TO ..48 TO .... BT (Very weak - faded out)                                       | (Remote tuner South Korea)   | JPL | SUN |
| 5257  | 1430z           | (In tfc) 25 Nov Q26 MSG NR9388 1804<br>MSG NR2728 1754                                                                   | (Remote tuner South Korea)   | JPL | TUE |

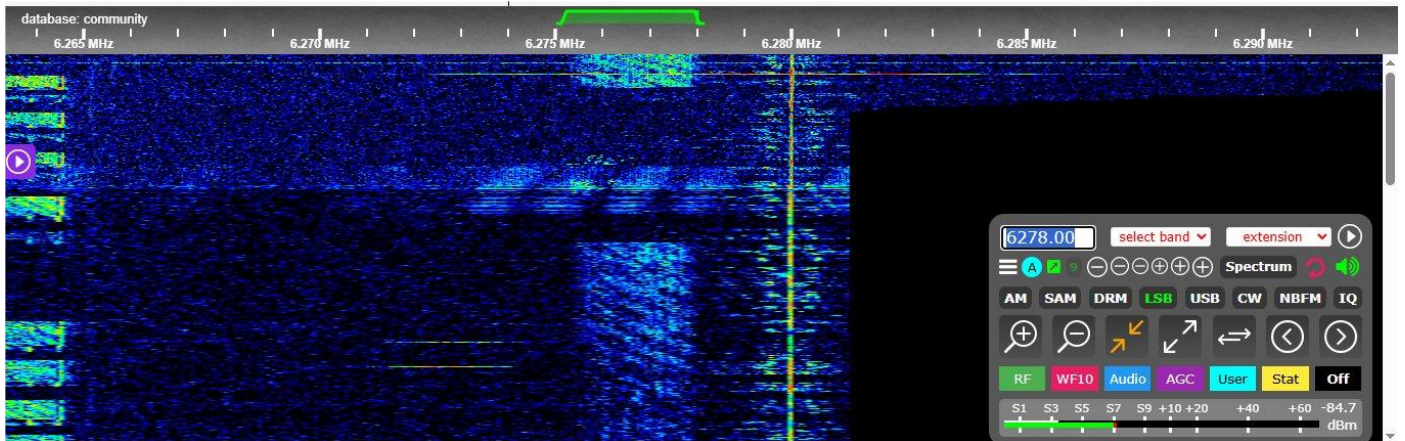
Here is the Q26 transcript:

AGN  
MSG NR9388 1804  
5507 7687 1300 2658 8903 7998 5585 5590 5688 9993  
9798 8938 0958 8885 8722 0087 8884 0214 4835 8885  
7873 8858 8688 5388 5915 8900 9993 9338 8208 9993  
5338 8408 8988 9435 2085

MSG NR2728 1754  
5507 2115 3922 4148 8885 8550 6769 8885 5683 7722  
8885 5983 1898 8885 5980 8861 8835 5590 5688 0815

9708 9908 2193 7601 8885 8415 5790 8920 9809 8580  
5688 0265 9488 8578 7873 8850 5590 8188 5590 5538  
3578 0699 9331 8601 7295 2581  
ZNN SK

|        |       |          |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                           |     |     |
|--------|-------|----------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----|-----|
| 5394.5 | 1700z | (In tfc) | 29 Dec | (In tfc - OTA 1703z) Q26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | (Remote tuner Taiwan)     | JPL | MON |
| 5423   | 1714z | (In tfc) | 23 Dec | NR 116/CCK CK ... 1223 .... RMKS 0987 TO 0371 TO 0647 TO A717 K<br>(Remote tuner Japan)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | JPL                       | TUE |     |
| 5454   | 1232z | (In tfc) | 02 Nov | NR 4766/CCK CK 145 24 1102 1565 RMKS 6815 TO 68DWK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | (Remote Japan)            | JPL | SUN |
| 5474   | 1338z | (In Q26) | 16 Nov | In Q26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | (Remote tuner Japan)      | JPL | SUN |
| 5485   | 1241z | (In tfc) | 15 Nov | (Remote tuner Japan)<br>MSG NR 88/CCK CK 349 1122 T850 RMKS .554 TO 8953 5332 3856 8964 5431 5.69 BT<br>MSG NR 059/CCK CK 349 54 1115 1910 RMKS 2093 TO 9398 9049 9376 9015 9736 9871 2093 BT<br>MSGNR 959/CCK CK 349 54 1115 1910 RMKS 2093 TO 9308 9049 9376 9015 9836 9781 2993 BT<br>MSG NR 024/CCK CK SVC NR 024/CCK CK 59954 1030 1830 RMKS 8427 TO 1248 4304 1800 4785 4234 4785 4268 4743 4775 8427 BT<br>MSG NR 024/CCK CK 59 43 1030 1830 RMKS 8427 TO 1248 4304 1800 4758 4234 4758 4268 4743 4795 8427 BT<br>MSG NR 024/CCK CK (Unable to copy - training?) | JPL                       | SAT |     |
| 5569   | 1306z |          | 21 Nov | Into Q26 tfc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | (Remote tuner Japan)      | JPL | FRI |
| 5656   | 1208z | (In tfc) | 15 Nov | NR 726/CCK CK 141 24 1115 2000 RMKS 2BGM TO WM2R K<br>NR 726/CCK CK 141 24 1115 2000 RMKS WN2R TO 2BGM K<br>SVC 2BGM/2020/726 QSL ? K<br>Note: Same msg sent to each other. Training net? Encrypted FM and TO address.                                                                                                                                                                                                                                                                                                                                                  | (Remote Japan)<br>(1224z) | JPL | SAT |
| 5843   | 1234z | (In tfc) | 10 Nov | NR 16../CCK CK 51 .. 1110 ..29 RMKS 6591 TO 6531 BT<br>Weak copy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | (Remote tuner Shanghai)   | JPL | MON |
| 6278   | 1332z | (In tfc) | 30 Dec | In tfc - Voice - Unknown Digital mode Q26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (Remote tuner Japan)      | JPL | TUE |



|             |                |            |        |                                                                          |                                    |                      |              |     |
|-------------|----------------|------------|--------|--------------------------------------------------------------------------|------------------------------------|----------------------|--------------|-----|
| 6278kHz     | 1332z          | Tue 30 Dec |        | In Traffic                                                               | Voice – Unknown Digital Mode – Q26 |                      | Courtesy JPL |     |
| 6431        | 1239z          | (In tfc)   | 19 Dec | In tfc - Into V26 - 1245z                                                | Q26                                | (Remote tuner Japan) | JPL          | FRI |
| 6557        | Call Sign HBDD |            |        | Replaced YHDX DE SAQC on 3968, 6936, 5479 & 10722kHz                     |                                    |                      |              |     |
|             | 1637z          |            | 17 Nov | V WCJJ (x3) DE HBDD (x2)                                                 |                                    | (Remote tuner Japan) | JPL          | MON |
|             | 1203z          |            | 20 Nov | V WCJJ (x3) DE HBDD (x2)                                                 |                                    | (Remote tuner Japan) | JPL          | THU |
|             | 1114z          |            | 04 Dec | V WCJJ (x3) DE HBDD (x2)                                                 |                                    | (Remote tuner Japan) | JPL          | THU |
| 6557//11475 | Call Sign HBDD |            |        | Replaced YHDX DE SAQC on 3968, 6936, 5479 & 10722kHz                     |                                    |                      |              |     |
|             | 1215z          |            | 09 Nov | V WCJJ (x3) DE HBDD (x2)                                                 |                                    | (Remote tuner Japan) | JPL          | SUN |
|             | 1345z          |            | 09 Nov | V WCJJ (x3) DE HBDD (x2)                                                 |                                    | (Remote tuner Japan) | JPL          | SUN |
|             | 1201z          |            | 13 Nov | V WCJJ (x3) DE HBDD (x2)                                                 |                                    | (Remote tuner Japan) | JPL          | THU |
|             | 1216z          |            | 14 Nov | V WCJJ (x3) DE HBDD (x2)                                                 |                                    | (Remote tuner Japan) | JPL          | FRI |
|             | 1633z          |            | 14 Nov | V WCJJ (x3) DE HBDD (x2)                                                 |                                    | (Remote tuner Japan) | JPL          | FRI |
|             |                |            |        | (Note: 11475 and 6557 normally have switched to 3903 and 6886 by now...) |                                    |                      |              |     |
|             | 1205z          |            | 15 Nov | V WCJJ (x3) DE HBDD (x2)                                                 |                                    | (Remote tuner Japan) | JPL          | SAT |
|             | 1158z          |            | 18 Nov | V WCJJ (x3) DE HBDD (x2)                                                 |                                    | (Remote tuner Japan) | JPL          | TUE |
|             | 1253z          |            | 21 Nov | V WCJJ (x3) DE HBDD (x2)                                                 |                                    | (Remote tuner Japan) | JPL          | FRI |
|             | 1257z          |            | 23 Nov | V WCJJ (x3) DE HBDD (x2)                                                 |                                    | (Remote tuner Japan) | JPL          | SUN |
|             | 1106z          |            | 24 Nov | V WCJJ (x3) DE HBDD (x2)                                                 |                                    | (Remote tuner Japan) | JPL          | MON |
|             | 1015z          |            | 27 Nov | V WCJJ (x3) DE HBDD (x2)                                                 |                                    | (Remote tuner Japan) | JPL          | THU |
|             | 1104z          |            | 02 Dec | V WCJJ (x3) DE HBDD (x2)                                                 |                                    | (Remote tuner Japan) | JPL          | TUE |
|             | 1026z          |            | 09 Dec | V WCJJ (x3) DE HBDD (x2)                                                 |                                    | (Remote tuner Japan) | JPL          | TUE |
|             | 1226z          |            | 19 Dec | V WCJJ (x3) DE HBDD (x2)                                                 |                                    | (Remote tuner Japan) | JPL          | FRI |



|        |                |          |                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |     |     |
|--------|----------------|----------|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|
| 6886   | Call Sign HBDD |          |                                                 | Replaced YHDX DE SAQC on 3968, 6936, 5479 & 10722kHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |     |     |
| 1953z  |                | 16 Nov   | V WCJJ (x3) DE HBDD (x2)                        | (Remote tuner Thailand)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | JPL | SUN |
| 2323z  |                | 04 Dec   | V WCJJ (x3) DE HBDD (x2)                        | (Remote tuner Japan)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | JPL | THU |
| 2130z  |                | 07 Dec   | V WCJJ (x3) DE HBDD (x2)                        | (Remote tuner Japan)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | JPL | SUN |
| 1240z  |                | 18 Dec   | V WCJJ (x3) DE HBDD (x2)                        | (Remote tuner Japan)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | JPL | THU |
| 1644z  |                | 21 Dec   | V WCJJ (x3) DE HBDD (x2)                        | (Remote tuner Japan)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | JPL | SUN |
| 1247z  |                | 22 Dec   | V WCJJ (x3) DE HBDD (x2)                        | (Remote tuner Japan)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | JPL | MON |
| 1323z  | (In tfc)       | 23 Dec   | NR 8128 CK 51 85 1223 2130 RMKS 7814 TO 7819 BT | (Remote tuner Japan)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | JPL | TUE |
| 1656z  |                | 23 Dec   | V WCJJ (x3) DE HBDD (x2)                        | (Remote tuner Japan)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | JPL | TUE |
| 1806z  |                | 24 Dec   | V WCJJ (x3) DE HBDD (x2)                        | (Remote tuner Japan)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | JPL | WED |
| 1809z  |                | 26 Dec   | V WCJJ (x3) DE HBDD (x2)                        | (Remote tuner Japan)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | JPL | FRI |
| 1733z  |                | 27 Dec   | V WCJJ (x3) DE HBDD (x2)                        | (Remote tuner Japan)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | JPL | SAT |
| 1619z  |                | 28 Dec   | V WCJJ (x3) DE HBDD (x2)                        | (Remote tuner South Korea)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | JPL | SUN |
| 1645z  |                | 30 Dec   | V WCJJ (x3) DE HBDD (x2)                        | (Remote tuner Japan)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | JPL | TUE |
| 7600   | 1332z          | (In tfc) | 23 Dec                                          | (Remote tuner Japan)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | JPL | TUE |
| 7768   | 1211z          | (In tfc) | 20 Nov                                          | NR ... CK 41 91 1120 2000 RMKS 8833 TO 59...886. BT (Remote tuner Japan)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | JPL | THU |
| 7777   | 1042z          | (In tfc) | 09 Dec                                          | CQ DE IBIY NR 31028/CCK CK 99 24 1202 09 RMKS CQ BT (Remote tuner Japan)<br>CQ DE H3SY H3SY NR 653/ 18 334 1116 1945 RMKS TO HH VCRB TO H4VR K<br>NR 652/CCK CK 19224 11217 1945 RMKS VE TO 5VHR<br>NR 631/CCK CK 1912410121000 RMKS Z4WE TO Z<br>NR 0153/CCK CK 4023 1110 133 TO PJ0 TO PJ SZSJ BT<br>NR 630/CCK CK 151 24 1106 2320 RMKS MM0G TO XX0<br>NR 0150/CCK CK 55 MR 0150/CCK CK 49 24 1106 1250 RMKS XI00 TO XMX0<br>NR 582/CCK CK 145 24 1012 1650 RMKS GHY TOI X5XT<br>NR 573/CCK CK 193 24 10009 1550 RMKS CMJZ TO 5C5J<br>NR 0980/CCK CK 99 24 1009 0900 RMKS CQ<br>NR 094/CCK CK 99 24 10912 0900 RMKS CQ<br>NR 0948/CCK CK 191 24 0901 2030 RMKS ZV9 TO ....<br>NR 0938/CCK CK 99 24 82 09 20 RMKS CQ<br>NR 46D/CCK CK 191 24 0818 0720 RMKS TNDD TO 2...<br>NR 454/CCK CK 191 24 081 1635 RMKS 8YSI TO R8RS | JPL | TUE |
| 7821   | 1332z          | (in tfc) | 18 Nov                                          | NR 092/CCK CK 51 28 1118 2130 RMKS 0948 TO 0103 0939 0163 0121 BT<br>(Remote tuner Japan)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | JPL | TUE |
| 7788   | 1624z          | (In tfc) | 17 Nov                                          | NR 837/CCK CK 148 04 1117 2340 RMKS 6980 TO 3916 BT (Remote tuner Japan)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | JPL | MON |
| 7913.5 | 2012z          | (In tfc) | 29 Nov                                          | Q26 (Remote tuner Japan)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | JPL | SAT |
| 8001.5 | 1900z          |          | 09 Nov                                          | Into Q26 - OTA 1904z (Remote tuner Japan)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | JPL | SUN |
| 11475  | Call Sign HBDD |          |                                                 | Replaced YHDX DE SAQC on 3968, 6936, 5479 & 10722kHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |     |     |
| 1115z  |                | 05 Nov   | V WCJJ (x3) DE HBDD (x2)                        | (Remote tuner Hong Kong)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | JPL | WED |
| 1128z  |                | 22 Dec   | V WCJJ (x3) DE HBDD (x2)                        | (Remote tuner Hong Kong)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | JPL | MON |
| 1319z  |                | 23 Dec   | V WCJJ (x3) DE HBDD (x2)                        | (Remote tuner Japan)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | JPL | TUE |
| 1159z  |                | 28 Dec   | V WCJJ (x3) DE HBDD (x2)                        | (Remote tuner Japan)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | JPL | SUN |

## Marker Beacons (MX MXI)

PoSW sends this follow-up to his previous logs & observations:-

Nothing further heard of the single letters “P” and “W” just above 16331 which were heard with strong signals in late September and early October. When monitoring the frequency for a short time on most days the letters “D” and “S” are usually prominent. However, a beacon sending “P” has been logged on another frequency:-

13-Dec-25, Sat:- 0706 kHz, 5352 kHz - or perhaps a bit lower - rapid letter “P”, fair signal, becoming weaker as daylight approaches under an hour later. Heard at similar time daily since but not heard in the evening time. *Thanks again, PoSW*

|        |       |        |     |    |        |     |               |                            |                               |    |      |     |
|--------|-------|--------|-----|----|--------|-----|---------------|----------------------------|-------------------------------|----|------|-----|
| 4557.7 | 2115z | 15 Nov | MXI | CW | Beacon | "D" | Sevastopol    |                            | Weak                          | BR | SAT  |     |
|        | 2110z | 20 Dec | MXI | CW | Beacon | "D" | Sevastopol    |                            | Fair                          | BR | SAT  |     |
| 5153.7 | 2114z | 15 Nov | MXI | CW | Beacon | "D" | Sevastopol    |                            | V.Weak                        | BR | SAT  |     |
|        | 2111z | 20 Dec | MXI | CW | Beacon | "D" | Sevastopol    |                            | Fair                          | BR | SAT  |     |
| 5154.1 | 2114z | 15 Nov | MXI | CW | Beacon | "A" | Astrakhan     |                            | V.Weak                        | BR | SAT  |     |
|        | 2112z | 20 Dec | MXI | CW | Beacon | "A" | Astrakhan     |                            | Fair                          | BR | SAT  |     |
| 5156.7 | 2116z | 15 Nov | MX  | CW | Beacon | "L" | St Petersburg |                            | V.Weak                        | BR | SAT  |     |
|        | 2112z | 20 Dec | MX  | CW | Beacon | "L" | St Petersburg |                            | Weak                          | BR | SAT  |     |
| 5352   | 0706z | 13 Dec | MX  | CW | Beacon | "P" |               | Rapid                      | Weaker as daylight approached |    | PoSW | SAT |
| 7508.7 | 2112z | 15 Nov | MXI | CW | Beacon | "D" | Sevastopol    | Sending D D D D D T (Rptd) | Vweak.                        | BR | SAT  |     |
|        | 0901z | 24 Nov | MXI | CW | Beacon | "D" | Sevastopol    |                            | Weak                          | BR | MON  |     |
|        | 0943z | 18 Dec | MXI | CW | Beacon | "D" | Sevastopol    |                            | Fair                          | BR | THU  |     |
| 7508.9 | 0903z | 24 Nov | MXI | CW | Beacon | "S" | Severomorsk   |                            | Weak                          | BR | MON  |     |
|        | 0940z | 18 Dec | MXI | CW | Beacon | "S" | Severomorsk   |                            | Weak                          | BR | THU  |     |
| 7509   | 2112z | 15 Nov | MXI | CW | Beacon | "C" | Moscow        |                            | V.Weak                        | BR | SAT  |     |
|        | 2120z | 20 Dec | MXI | CW | Beacon | "C" | Moscow        |                            | Fair                          | BR | SAT  |     |

|         |       |        |     |    |        |     |               |                            |        |    |     |
|---------|-------|--------|-----|----|--------|-----|---------------|----------------------------|--------|----|-----|
| 8494.7  | 0944z | 18 Dec | MXI | CW | Beacon | "D" | Sevastopol    |                            | Weak   | BR | THU |
|         | 2117z | 20 Dec | MXI | CW | Beacon | "D" | Sevastopol    |                            | Strong | BR | SAT |
| 8494.9  | 0943z | 18 Dec | MXI | CW | Beacon | "S" | Severomorsk   |                            | Weak   | BR | THU |
| 8495    | 2114z | 20 Dec | MXI | CW | Beacon | "C" | Moscow        |                            | V.Weak | BR | SAT |
| 8495.1  | 2117z | 20 Dec | MXI | CW | Beacon | "A" | Astrakhan     |                            | Fair   | BR | SAT |
| 8497.8  | 2111z | 15 Nov | MX  | CW | Beacon | "L" | St Petersburg |                            | Weak   | BR | SAT |
|         | 0900z | 24 Nov | MX  | CW | Beacon | "L" | St Petersburg |                            | Weak   | BR | MON |
| 10871.7 | 0858z | 24 Nov | MXI | CW | Beacon | "D" | Sevastopol    |                            | Fair   | BR | MON |
|         | 0939z | 18 Dec | MXI | CW | Beacon | "D" | Sevastopol    |                            | Weak   | BR | THU |
| 10871.8 | 0857z | 24 Nov | MXI | CW | Beacon | "P" | Kaliningrad   |                            | Good   | BR | MON |
|         | 0829z | 18 Dec | MXI | CW | Beacon | "P" | Kaliningrad   |                            | Fair   | BR | THU |
|         | 2122z | 20 Dec | MXI | CW | Beacon | "P" | Kaliningrad   |                            | V.Weak | BR | SAT |
| 13527.7 | 0855z | 24 Nov | MXI | CW | Beacon | "D" | Sevastopol    |                            | Good   | BR | MON |
|         | 0926z | 18 Dec | MXI | CW | Beacon | "D" | Sevastopol    |                            | Fair   | BR | THU |
| 13527.8 | 0856z | 24 Nov | MXI | CW | Beacon | "P" | Kaliningrad   |                            | Weak   | BR | MON |
|         | 0927z | 18 Dec | MXI | CW | Beacon | "P" | Kaliningrad   |                            | Weak   | BR | THU |
| 13528   | 0856z | 24 Nov | MXI | CW | Beacon | "C" | Moscow        |                            | Good   | BR | MON |
| 16331.7 | 0852z | 24 Nov | MXI | CW | Beacon | "D" | Sevastopol    | Sending D D D D D T (Rptd) | Good   | BR | MON |
|         | 0925z | 18 Dec | MXI | CW | Beacon | "D" | Sevastopol    | Sending correctly, now     | Good   | BR | THU |
| 16331.9 | 0853z | 24 Nov | MXI | CW | Beacon | "S" | Severomorsk   |                            | Fair   | BR | MON |
| 16332.1 | 0854z | 24 Nov | MXI | CW | Beacon | "A" | Astrakhan     |                            | Weak   | BR | MON |
| 20047.7 | 0850z | 24 Nov | MXI | CW | Beacon | "D" | Sevastopol    |                            | Good   | BR | MON |
|         | 0922z | 18 Dec | MXI | CW | Beacon | "D" | Sevastopol    |                            | Good   | BR | THU |
| 20047.9 | 0904z | 24 Nov | MXI | CW | Beacon | "S" | Severomorsk   |                            | Fair   | BR | MON |
|         | 0923z | 18 Dec | MXI | CW | Beacon | "S" | Severomorsk   |                            | Fair   | BR | THU |
| 20048.1 | 0851z | 24 Nov | MX  | CW | Beacon | "A" | Astrakhan     |                            | Weak   | BR | MON |
|         | 0924z | 18 Dec | MX  | CW | Beacon | "A" | Astrakhan     |                            | Weak   | BR | THU |

## Oddities

### S28      'The Buzzer'

|      |       |        |     |                                               |  |  |  |     |        |    |     |
|------|-------|--------|-----|-----------------------------------------------|--|--|--|-----|--------|----|-----|
| 4625 | 2118z | 15 Nov | S28 | 'The Buzzer' Marker (with music & speech QRM) |  |  |  | USB | V.Weak | BR | SAT |
|      | 2133z | 20 Dec |     | NRH – Off Air                                 |  |  |  |     |        | BR | SAT |

### S30      'The Pip'

|      |       |        |     |                           |  |  |  |     |      |    |     |
|------|-------|--------|-----|---------------------------|--|--|--|-----|------|----|-----|
| 3756 | 2219z | 15 Nov | S30 | 'Pip' marker (Night freq) |  |  |  | USB | Fair | BR | SAT |
|      | 2125z | 20 Dec | S30 | 'Pip' marker (Night freq) |  |  |  | USB | Good | BR | SAT |

### 4326.1//4327.1    'T' Marker    (New Frequencies – previously on 4183.7//4184)

|       |        |                                 |  |  |  |  |  |     |      |    |     |
|-------|--------|---------------------------------|--|--|--|--|--|-----|------|----|-----|
| 2121z | 15 Nov | T Marker - Under digital signal |  |  |  |  |  | USB | Weak | BR | SAT |
|-------|--------|---------------------------------|--|--|--|--|--|-----|------|----|-----|

Contributors:      AB, BR, HFD, JPL, PLdn, PoSW

*Thank you all for your logs.*

## Voice and other modes:

## E06 Nov/Dec

No Reports received

## E07 Nov/Dec

Before a look at other's logs here is Peter's take on E07. Lots of long messages sent and with regularity. TuF schedule one weak then ThSa schedule the next. One has to ask if these are actual live messages being sent; or just time wasters to keep the intercept bods busy?

PoSW's logs and analysis:

### Tuesday + Friday Schedule, 1500 UTC Start:-

Follows the same frequency schedule as in the same month of last year.

4-Nov-25, Tue:- 1500 UTC, 14737 kHz, "751 751 751 000", weak, clear signal.

1520 UTC, 13537 kHz, weak at first, became stronger, interference from a swept carrier.



7-Nov-25, Fri:- 1500 UTC, 14737 kHz, “751 751 751 000”, interference from what might be best described as a “raucous tone” extending from about 14730 to 14750 kHz.

1520 UTC, 13,537 kHz, strong signal.

11-Nov-25, Tue:- 1500 UTC, 14737 kHz, “751 751 751 1”, message, DK/GC “873 121” x 2, ended around 1512:35s UTC.

Missed the second sending having lost track of the time – as you do!

1540 UTC, 12137 kHz, third sending, fair signal.

18-Nov-25, Tue:- 1500 UTC, 14737 kHz, “751 751 751 000”, weak signal.

1520, 13537 kHz, weak, interference from the “sweeper”.

21-Nov-25, Fri:- 1500 UTC, 14737 kHz, “751 751 751 000”, much stronger than on Tuesday.

1520 UTC, 13537 kHz, also stronger, usual sweeper interference.

25-Nov-25, Tue:- 1504 UTC - missed the start - 14737 kHz, message in progress, weak at first then became stronger, ended 1509:35s UTC.

1520 UTC, 13537 kHz, “751 751 751 1”, DK/GC “955 85” x 2, weak with the usual interference.

1540 UTC, 12137 kHz, weak.

28-Nov-25, Fri:- 1500 UTC, 14737 kHz, “751” and “955 85” again.

1520 UTC, 13537 kHz, signal strength up and down with the usual interference.

1540 UTC, 12137 kHz, also varying in strength.

2-Dec-25, Tue:- 1500 UTC, 13539 kHz, “512 512 512 000”, interference from the same sweeper that messed up the second sending in November.

1520 UTC, 12139 kHz, second sending.

9-Dec-25, Tue:- 1500 UTC, 13539 kHz, “512 512 512 1”, message, DK/GC “6928 137” x 2. Interference from the sweeper and also an idling FSK signal which was also there in December of last year.

1520 UTC, 12139 kHz, good signal.

Nothing audible from third sending on 10239 kHz, local noise interference very strong.

12-Dec-25, Fri:- 1500 UTC, 13539 kHz, “512” and “6928 137” again with sweeper and FSK interference.

1520 UTC, 12139 kHz, good signal.

1540 UTC, 10239 kHz, voice heard for a few seconds at a time under the local interference

19-Dec-25, Fri:- 1500 UTC, 13539 kHz, “512 512 512 000”, weak signal with the usual interference.

1520 UTC, 12139 kHz, stronger.

#### **Thursday + Saturday Schedule. 1000 UTC Start:-**

Always need to search for this one which has only been running for a few months.

1-Nov-25, Sat:- 1002 UTC, 17428 kHz, surprised to find the first sending straight away, just caught the end of the “no message” “417 417 417 000”.

Good signal and as expected with the end of BST has stayed on UTC so now starts at ten in the morning instead of eleven;

must try to remember that!

1020 UTC, 16132 kHz, weaker.

8-Nov-25, Sat:- 1000 UTC, 17428 kHz, “417 417 417 1”, DK/GC “269 129” x 2, strong signal, ended at 1013:10s UTC.

1020 UTC, 16132 kHz, slightly weaker.

1044 UTC, 14789 kHz, third sending in progress, weak signal, took a few minutes to find it.

13-Nov-25, Thu:- 1000 UTC, 17428 kHz, “417 417 417 000”, fair signal.

1020 UTC, 16132 kHz, stronger.

22-Nov-25, Sat:- 1000 UTC, 17428 kHz, “417 417 417 1”, message, DK/GC “4821 131” x 2, signal strength up and down, echo effect on voice at times. Ended at 1013:25s UTC.

1020 UTC 16132 kHz, slightly weaker than first sending. Break in transmission around 1030z, came back with “417 1...” routine then into 5Fs again.

1040 UTC, 14789 kHz, weakest of the three sendings.

27-Nov-25, Thu:- 1000 UTC, 17428 kHz, “417 417 417 000”, good signal, echo effect on voice at times.

1020 UTC, 16132 kHz, weaker.

29-Nov-25, Sat:- 1000 UTC, 17428 kHz, echo effect on voice again and 1020 UTC, 16132 kHz,

“417 417 417 000”.

4-Dec-25, Thu:- 1003 UTC, 17469 kHz, first sending found in progress with a message, good signal. Ended at approx 1014:25s UTC. Unable to find the repeats despite a lot of tuning around at 1020 and 1040 UTC.

6-Dec-25, Sat:- 1000 UTC, 17469 kHz, “427 427 427 1”, DK/GC “941 144” x 2, echo effect on voice at times.

1024 UTC, 16217 kHz, second sending in progress, weak signal.

1040 UTC, 14794 kHz, wide variations in signal strength.

13-Dec-25, Sat:- 1000 UTC, 17469 kHz, “427 427 427 000”, strong signal.

1020 UTC, 16217 kHz, weaker.

18-Dec-25, Thu:- 1000 UTC, 17469 kHz, “427 427 427 1”, message, DK/GC “767 189” x 2, weak signal at first, became stronger.

1020 UTC, 16217 kHz, signal strength up and down.

1040 UTC, 14794 kHz, weak.

20-Dec-25, Sat:- 1000 UTC, 17469 kHz, “427” and “767 189” again, good signal.

1020 UTC, 16217 kHz, weaker.

1040 UTC, 14794 kHz, fair signal, noted around 1058z was in “427..1” preamble again, must have been a break in the transmission, back into 5Fs and ended after 1100z.

Now on to other's logs:

Tuesday/Friday

November 2025

| 1500z | 14737kHz                              | 1520z | 13537kHz | 1540z | 12137kHz              |
|-------|---------------------------------------|-------|----------|-------|-----------------------|
| 04/11 | 751 000                               |       |          |       | Weak                  |
| 07/11 | 751 000                               |       |          |       | 1500z Weak,1520z Fair |
| 11/11 | 751 1 873 121 95610 ... 68287 000 000 |       |          |       | 1500z Fair, rest Weak |

751 751 751 1 873 121 873 121  
95610 44231 38695 11895 67498 12056 50484 50337 48764 34057  
20182 79717 33002 26156 61201 04882 50529 45308 09956 7608  
62948 61107 93737 40017 22305 20185 49901 71308 60156 42089  
63906 79352 03717 55980 18196 37752 65467 01103 55761 93364  
26719 12247 99277 19406 49353 14878 97707 57353 68527 12024  
08231 12908 47096 09367 27376 31455 22197 50845 06938 32314  
61498 46177 38042 11577 96650 04962 18450 66191 19398 34000  
34683 15099 33285 26175 90677 83475 52342 73232 17358 77044  
24007 06685 31378 73594 76884 49482 31402 98091 15945 77490  
46849 57870 23688 91608 90898 80955 69450 71932 60997 92663  
48189 18390 97513 32295 19685 76196 52781 18724 83463 92754  
76321 21300 40990 91495 92448 10492 89166 40440 24845 51856  
68287 000 000 *Courtesy HJH*

|       |                                       |                         |
|-------|---------------------------------------|-------------------------|
| 14/11 | 751 1 873 121 95610 ... 68287 000 000 | 1520z Strong, rest Fair |
|-------|---------------------------------------|-------------------------|

751 751 751 1 873 121 873 121  
95610 44231 38695 11895 67498 12056 50484 50337 48764 34057  
20182 79717 33002 26156 61201 04882 50529 45308 09956 **17608**  
62948 61107 93737 40017 22305 20185 49901 71308 60156 42089  
63906 79352 03717 55980 18196 37752 65467 01103 55761 93364  
26719 12247 99277 19406 49353 14878 97707 57353 68527 12024  
08231 12908 47096 09367 27376 31455 22197 50845 06938 32314  
61498 46177 38042 11577 96650 04962 18450 66191 19398 34000  
34683 15099 33285 26175 90677 83475 52342 73232 17358 77044  
24007 06685 31378 73594 76884 49482 31402 98091 15945 77490  
46849 57870 23688 91608 90898 80955 69450 71932 60997 92663  
48189 18390 97513 32295 19685 76196 52781 18724 83463 92754  
76321 21300 40990 91495 92448 10492 89166 40440 24845 51856  
68287 000 000 *Courtesy PLdn*

|        |                                      |                 |      |     |
|--------|--------------------------------------|-----------------|------|-----|
| 18//11 | 751 000                              | Fair            | BR   | TUE |
| 21/11  | 751 000                              | Weak            | PLdn | SAT |
| 25/11  | 751 1 955 85 65755 ... 47467 000 000 | Weak [9m37s lg] | PLdn | TUE |

December 2025

| 1500z | 13539kHz                               | 1520z | 12139kHz | 1540z | 10239kHz                            |
|-------|----------------------------------------|-------|----------|-------|-------------------------------------|
| 02/12 | 512 000                                |       |          |       | Fair<br>BRIXMIS<br>TUE              |
| 05/12 | 512 000                                |       |          |       | 1500z Fair, 1520z Strong            |
| 09/12 | 512 1 6928 137 28463 ... 63257 000 000 |       |          |       | 1540z NRH, rest Fair. 1500z TTYQRM2 |

512 512 512 1  
6928 137 6928 137  
28463 06971 29908 07633 82418 34457 98216 05485 47346 30208  
64705 64460 63702 60258 63684 86320 07812 92464 10936 47438  
74372 43637 39300 28854 01462 29556 56624 54113 30692 50305  
00845 90719 12170 11144 51506 99078 85737 09017 06938 54481  
80546 59156 52363 52964 06614 54851 98297 41762 56218 44131  
02268 04112 07336 87295 80264 49510 41474 07917 98138 99383  
01201 52799 74344 03520 20981 39502 43209 26971 66107 01582  
50799 32455 43416 04534 96511 13017 71995 79017 43952 63660  
22289 48711 70331 35462 36103 35305 40113 67048 06263 40087  
20133 59325 52693 44146 03483 64152 78484 10758 69543 62463  
25221 91299 49062 11016 16779 33824 59510 01124 81455 66870  
67336 67769 55236 82034 49976 62883 86030 75114 61270 64506  
93144 58665 19741 45903 66972 78802 06935 81042 97977 84974  
54733 80575 43697 37388 11384 05100 63257  
000 000 *Courtesy HJH*

|       |                                                    |                                   |         |     |
|-------|----------------------------------------------------|-----------------------------------|---------|-----|
| 16/12 | 512 000                                            | 1500z Fair, 1520z Weak; both QSB3 |         |     |
| 19/12 | 512 000                                            | Weak                              |         |     |
| 23/12 | 512 1 1905 189 61254 ... 73471 000 000             | Readable                          | HJH     | TUE |
| 26/12 | 512 1 1905 189 61254 41492 27020.... 73471 000 000 | Fair/Weak/Fair                    | BR, HJH | FRI |
| 30/12 | 512 000                                            | Strong                            |         |     |

#### Thursday/Saturday

#### November 2025

| 1000z | 17428kHz                                  | 1020z | 16132kHz | 1040z | 14789kHz                   |          |     |
|-------|-------------------------------------------|-------|----------|-------|----------------------------|----------|-----|
| 01/11 | 417 000                                   |       |          |       | Via SDR Twenete (V.strong) | PLdn, MG | SAT |
| 06/11 | 417 1 269 129 79849 ... 75688 ... 000 000 |       |          |       |                            | Ary      | THU |

417 417 417 1 269 129 269 129  
79849 34300 87860 26881 15417 68447 45009 39022 92254 64938  
10194 22927 31926 29795 34755 01778 78695 15288 84146 43529  
64568 66111 24094 67878 42300 60144 39453 14794 46076 87372  
98975 88653 98679 75492 66448 83221 63642 54043 23286 01170  
71174 73776 31435 82532 26186 64448 00978 84449 86844 48887  
46416 51499 50361 47305 26597 15114 62378 07677 69664 87556  
14824 62650 54608 11327 75968 88537 00939 49825 43439 30205  
66297 52826 18243 23497 82758 04740 76021 63291 68610 04059  
88812 44503 13786 53459 25004 19232 08469 45063 40843 31734  
31444 94057 24394 29176 13112 57653 02801 20118 14420 25413  
19889 90805 50640 64285 53138 03353 30979 75015 43718 46114  
96151 83472 16190 33868 98732 39236 21213 38845 93693 56582  
14436 80982 66418 50071 21640 93945 55479 42408 75688  
000 000 *Courtesy Ary*

|       |                                        |                                     |          |     |
|-------|----------------------------------------|-------------------------------------|----------|-----|
| 08/11 | 417 1 269 129 79849 ... 75688 000 000  | 1000z Weak, 1020z NRH, 1040z MISSED |          | SAT |
| 13/11 | 417 000                                | Fair                                | BG, PLdn | THU |
| 15/11 | 417 000                                | Weak                                | BG, PLdn | SAT |
| 20/11 | 417 1 4821 131 06772 ... 26241 000 000 | Strong/Good/Fair                    | BG, PLdn | THU |
| 22/11 | 417 1 4821 131 06772 ... 26241 000 000 | 1000z Fair, QSB2, rest Weak         | PLdn     | SAT |
| 27/11 | 417 000                                | Weak                                | PLdn     | THU |
| 29/11 | 417 000                                | 1000z Fair, 1020z Good              | BR       | SAT |

#### December 2025

| 1000z | 17469kHz                              | 1020z | 16217kHz | 1040z | 14794kHz                                                       |    |     |
|-------|---------------------------------------|-------|----------|-------|----------------------------------------------------------------|----|-----|
| 04/12 | 427 1 941 144 29541 ... 50506 000 000 |       |          |       | Strong --- Good; 1020z NOT FOUND                               | BR | THU |
| 06/12 | 427 1 941 144 29541 ... 50506 000 000 |       |          |       | 1040z Strong, rest Very Strong [BP Flex5000 Rx + SteppIR beam] |    |     |
| 11/12 | 427 000                               |       |          |       | Fair                                                           |    |     |
| 13/12 | 427 000                               |       |          |       | 1000z Strong, 1020z Very weak                                  |    |     |
| 18/12 | 427 1 767 189 87841 ... 30934 000 000 |       |          |       | Strong/Good/Fair                                               | BR | THU |
| 20/12 | 427 1 767 189 87841 ... 30934 000 000 |       |          |       | Weak                                                           |    |     |
| 25/12 | NOT MONITORED                         |       |          |       |                                                                |    |     |
| 27/12 | NOT MONITORED                         |       |          |       |                                                                |    |     |

# E11 & E11a log Nov/Dec

Please read comments in the editorial for Family III transmissions

|         |       |                                                                                       |                    |     |
|---------|-------|---------------------------------------------------------------------------------------|--------------------|-----|
| 4505khz | 1610z | 01/11 [394/00]                                                                        | HfD                | SAT |
|         | 1610z | 05/11 [391/00] Out 1613z Fair                                                         | PLdn, HfD          | WED |
|         | 1610z | 12/11 [391/00] Out 1613z Strong                                                       | PLdn               | WED |
|         | 1610z | 19/11 [397/38 66612 13476 09569 27913 97896 32999.....75094 34601] No call up header  | Ary, Gary H, PLdn  | WED |
|         | 1610z | 26/11 [390/00] Out 1613z Strong                                                       | PLdn               | WED |
|         | 1610z | 06/12 [395/00]                                                                        | Gary H             | SAT |
|         | 1610z | 10/12 [390/00] S3                                                                     | Brixmis, PLdn      | WED |
|         | 1610z | 13/12 [394/36 38951 69877 95049 03254 97400 35915 75750 02427.....14648 12765]        | Gary H             | SAT |
|         | 1610z | 17/12 [396/00] Out 1613z Strong                                                       | dMHz, PLdn         | WED |
|         | 1610z | 20/12 [394/00] S5                                                                     | Brixmis            | SAT |
|         | 1610z | 24/12 [394/00]                                                                        | Gary H             | WED |
|         | 1610z | 27/12 [392/00]                                                                        | Gary H             | SAT |
|         | 1610z | 31/12 [392/00]                                                                        | Gary H, PLdn       | WED |
| 4909kHz | 1645z | 01/11 [368/00]                                                                        | HfD                | SAT |
|         | 1645z | 02/11 [364/00] Weak                                                                   | Brixmis, PLdn      | SUN |
|         | 1300z | 03/11 [312/00]                                                                        | HfD                | MON |
|         | 1645z | 08/11 [365/00]                                                                        | Gary H             | SAT |
|         | 1645z | 09/11 [363/00] Strong                                                                 | RNGB               | SUN |
|         | 1300z | 17/11 [319/00] Good (Polish SDR)                                                      | RNGB, Brian        | MON |
|         | 1300z | 24/11 [319/32 13198 65230 51436 41235...72598 29732 58904]                            | Ary, Brian         | MON |
|         | 1300z | 27/11 [316/32 70721 96806 12976 03187 81081 76734 74028.....87256 38017] NOT a repeat | Ary                | THU |
|         | 1645z | 29/11 [368/00]                                                                        | Gary H             | SAT |
|         | 1645z | 30/11 [364/00] Out 1648z Fair                                                         | PLdn               | SUN |
|         | 1300z | 01/12 [312/00]                                                                        | Brian              | MON |
|         | 1645z | 06/12 [368/00]                                                                        | Gary H             | SAT |
|         | 1645z | 07/12 [366/00] Out 1648z Fair                                                         | PLdn               | SUN |
|         | 1645z | 13/12 [367/00]                                                                        | Gary H             | SAT |
|         | 1645z | 14/12 [363/00] Out 1648z Weak                                                         | PLdn               | SUN |
|         | 1300z | 15/12 [314/00] Weak                                                                   | Brian              | MON |
|         | 1300z | 18/12 [313/00] Weak (Polish SDR)                                                      | Brian              | THU |
|         | 1645z | 20/12 [363/00]                                                                        | Gary H             | SAT |
|         | 1645z | 21/12 [360/00] Out 1648z Weak                                                         | PLdn               | SUN |
|         | 1645z | 27/12 [365/00]                                                                        | Gary H             | SAT |
|         | 1645z | 28/12 [360/00] Out 1648z Fair                                                         | PLdn               | SUN |
| 5082kHz | 2000z | 02/11 [525/00] Out 2003z Fair                                                         | PLdn, HfD          | SUN |
|         | 1715z | 05/11 [972/00]                                                                        | HfD                | WED |
|         | 1715z | 14/11 [977/00] Strong                                                                 | RNGB               | FRI |
|         | 2000z | 20/11 [522/00] Fair                                                                   | PLdn               | THU |
|         | 1715z | 26/11 [971/35 86761 71079 58193 19684 20690 70494 66144 65446.....84034 27929]        | Gary H             | WED |
|         | 2000z | 27/11 [525/00] Out 2003z Weak                                                         | PLdn               | THU |
|         | 1715z | 28/11 [975/37 85955 04218 10111 09009 29504 22974 55397 50086.....47196 24514] Strong | RNGB               | FRI |
|         | 2000z | 30/11 [528/00] Out 2003z Weak                                                         | PLdn               | SUN |
|         | 2000z | 04/12 [520/00] Out 2003z Weak                                                         | PLdn               | THU |
|         | 2000z | 07/12 [525/00] Out 2003z                                                              | PLdn               | SUN |
|         | 2000z | 11/12 [525/00] Out 2003z Fair                                                         | PLdn               | THU |
|         | 2000z | 18/12 [524/00] Out 2003z Fair                                                         | PLdn               | THU |
|         | 2000z | 21/12 [525/00] Out 2003z Fair                                                         | RNGB               | SUN |
|         | 2000z | 28/12 [527/00] Out 2003z Weak                                                         | PLdn               | SUN |
|         | 1715z | 31/12 [976/00]                                                                        | Gary H             | WED |
| 5371kHz | 0700z | 01/11 [495/39 40365.....etc]                                                          | HfD                | SAT |
|         | 0700z | 08/11 [498/00] Out 0703z Weak                                                         | PLdn               | SAT |
|         | 0700z | 15/11 [495/00] Out 0703z Weak                                                         | PLdn               | SAT |
|         | 0700z | 29/11 [492/00] Good                                                                   | RNGB, PLdn         | SAT |
|         | 0700z | 30/11 [490/00] Good                                                                   | RNGB, PLdn         | SUN |
|         | 0700z | 06/12 [492/00] Good                                                                   | RNGB               | SAT |
|         | 0700z | 07/12 [496/00] Out 0703z Weak                                                         | PLdn               | SUN |
|         | 0700z | 13/12 [492/00] Out 0703z Strong                                                       | PLdn               | SAT |
|         | 0700z | 14/12 [498/00] Out 0703z Strong                                                       | PLdn               | SUN |
|         | 0700z | 20/12 [491/00] Out 0703z Fair                                                         | PLdn               | SAT |
|         | 0700z | 21/12 [498/00] Good                                                                   | RNGB, PLdn         | SUN |
|         | 0700z | 27/12 [498/00] Strong                                                                 | RNGB               | SAT |
|         | 0700z | 28/12 [498/00] Out 0703z Strong                                                       | PLdn               | SUN |
| 5409khz | 1530z | 20/11 [268/35 84012 05867 13626 08913 84468 74623 06496 29434.....32987 03819]        | Gary H             | THU |
|         | 1530z | 27/11 [261/00]                                                                        | Gary H, PLdn       | THU |
|         | 1530z | 04/12 [262/00] Out 1533z Fair                                                         | PLdn               | THU |
|         | 1530z | 11/12 [261/00]                                                                        | Gary H, PLdn       | THU |
|         | 1530z | 18/12 [267/00] Out 1533z                                                              | PLdn               | THU |
| 5432kHz | 1605z | 02/11 [233/00] Out 1608z Weak, Burst QRM3                                             | PLdn, HfD          | SUN |
|         | 1605z | 04/11 [236/00] Out 1608z Fair                                                         | PLdn               | TUE |
|         | 1605z | 11/11 [238/00] Good                                                                   | RNGB, Gary H, PLdn | TUE |
|         | 1605z | 18/11 [230/00]                                                                        | Gary H             | TUE |
|         | 1605z | 25/11 [232/00] Out 1608z Strong                                                       | PLdn               | TUE |

|         |       |                                                                                     |                        |     |
|---------|-------|-------------------------------------------------------------------------------------|------------------------|-----|
|         | 1605z | 30/11 [230/00] Out 1608z Fair                                                       | PLdn                   | SUN |
|         | 1605z | 02/12 [233/00] Out 1608z Weak                                                       | PLdn                   | TUE |
|         | 1605z | 07/12 [230/00] Out 1608z Strong                                                     | PLdn                   | SUN |
|         | 1605z | 09/12 [232/00] Out 1608z Fair                                                       | PLdn                   | TUE |
|         | 1605z | 14/12 [232/00] Out 1608z Fair                                                       | PLdn, dMHz             | SUN |
|         | 1605z | 21/12 [231/00]                                                                      | Gary H, PLdn           | SUN |
|         | 1605z | 28/12 [235/00] Out 1608z Strong                                                     | PLdn                   | SUN |
|         | 1605z | 30/12 [236/00] Out 1608z Strong                                                     | PLdn, Gary H           | TUE |
| 6804kHz | 0700z | 04/11 [573/00] Good                                                                 | RNGB, PLdn             | TUE |
|         | 0700z | 07/11 [570/00] Good                                                                 | RNGB                   | FRI |
|         | 0700z | 11/11 [576/00] Good                                                                 | RNGB, PLdn             | TUE |
|         | 0700z | 14/11 [573/00] Good                                                                 | RNGB, PLdn             | FRI |
|         | 0700z | 18/11 [577/00] Out 0703z Fair                                                       | PLdn                   | TUE |
|         | 0700z | 21/11 [576/00] Out 0703z Weak                                                       | PLdn                   | THU |
|         | 0700z | 25/11 [579/31 05615 45000 11019 44493 55048 08606 60751 13611.....66560 78231]      | Ary, PLdn              | TUE |
|         | 0700z | 28/11 [579/31 01531.....38389] Out 0709z Fair                                       | PLdn                   | FRI |
|         | 0700z | 02/12 [570/00] Out 0703z Fair                                                       | PLdn                   | TUE |
|         | 0700z | 05/12 [574/00] Strong                                                               | RNGB, PLdn             | FRI |
|         | 0700z | 09/12 [575/00] Out 0703z Fair                                                       | PLdn                   | TUE |
|         | 0700z | 12/12 [570/00] Strong                                                               | RNGB, PLdn             | FRI |
|         | 0700z | 19/12 [570/00] Good                                                                 | RNGB, PLdn             | FRI |
|         | 0700z | 23/12 [570/00] Good                                                                 | RNGB                   | TUE |
|         | 0700z | 30/12 [576/00] Good                                                                 | RNGB, PLdn             | TUE |
| 6849kHz | 1815z | 02/11 [924/00] Out 1818z Strong                                                     | PLdn, HfD              | SUN |
|         | 1900z | 03/11 [641/00] Out 1903z Strong                                                     | PLdn, HfD              | MON |
|         | 1815z | 07/11 [926/00] Out 1818z Strong                                                     | PLdn                   | FRI |
|         | 1900z | 10/11 [646/35 91133.....88167] Out 1910z Fair                                       | PLdn                   | MON |
|         | 1900z | 17/11 [644/00] Out 1903z Very strong                                                | PLdn                   | MON |
|         | 1900z | 20/11 [647/00] Out 1903z Weak                                                       | PLdn                   | THU |
|         | 1900z | 27/11 [647/00] Out 1903z Strong                                                     | PLdn                   | THU |
|         | 1815z | 29/11 [921/00] Out 1818z Strong                                                     | PLdn                   | SAT |
|         | 1815z | 30/11 [925/00] Out 1818z Weak                                                       | PLdn                   | SUN |
|         | 1900z | 04/12 [646/00] Out 1903z Strong                                                     | PLdn                   | THU |
|         | 1815z | 05/12 [926/00] Out 1818z Fair                                                       | PLdn                   | FRI |
|         | 1815z | 07/12 [929/00] Out 1818z Strong                                                     | dMHz, PLdn             | SUN |
|         | 1900z | 08/12 [649/00] Out 1903z Weak                                                       | PLdn                   | MON |
|         | 1900z | 11/12 [646/00] Out 1903z Strong                                                     | PLdn                   | THU |
|         | 1815z | 12/12 [929/00] Out 1818z Weak                                                       | PLdn                   | FRI |
|         | 1815z | 14/12 [920/00] Out 1818z Fair                                                       | PLdn                   | SUN |
|         | 1900z | 15/12 [649/00] Out 1903z Good                                                       | dMHz, PLdn             | MON |
|         | 1900z | 18/12 [644/00] Out 1903z Weak                                                       | PLdn                   | THU |
|         | 1815z | 19/12 [922/00] Strong                                                               | dMHz, PLdn             | FRI |
|         | 1815z | 21/12 [929/00] Out 1818z Strong                                                     | PLdn                   | SUN |
|         | 1815z | 28/12 [924/00] Out 1818z Strong                                                     | PLdn                   | SUN |
|         | 1900z | 29/12 [641/00] Out 1903z Strong                                                     | PLdn                   | MON |
| 7469kHz | 0930z | 05/11 [273/00] Good                                                                 | RNGB, Brian, PLdn, HfD | WED |
|         | 0930z | 06/11 [271/00] Good                                                                 | RNGB, Brian, Brixmis   | THU |
|         | 0930z | 12/11 [277/00] Fair                                                                 | Brian                  | WED |
|         | 0930z | 13/11 [275/00] Out 0933z Fair                                                       | PLdn, Brian            | THU |
|         | 0930z | 19/11 [278/00] Fair                                                                 | Brian, PLdn            | WED |
|         | 0930z | 20/11 [NO CALL UP - 92321 14235 90026 15400 22716 12072.....65774 20198] 36 groups  | Ary                    | THU |
|         | 0930z | 26/11 [270/00] Out 0933z Very weak                                                  | PLdn, Brian            | WED |
|         | 0930z | 27/11 [273/00] Good/Fair                                                            | Brian, PLdn            | THU |
|         | 0930z | 03/12 [279/00] Out 0933z Weak                                                       | PLdn                   | WED |
|         | 0930z | 10/12 [279/00] Weak                                                                 | Brian                  | WED |
|         | 0930z | 11/12 [279/00] Weak                                                                 | Brian                  | THU |
|         | 0930z | 18/12 [270/35 66071 68372 12009 95722 75432 39641 30580 79042.....32821 57575] Fair | Brian                  | THU |
|         | 0930z | 24/12 [275/00] Fair                                                                 | Brian                  | WED |
|         | 0930z | 31/12 [270/00] Fair                                                                 | Brian, PLdn            | WED |
| 7850kHz | 0600z | 02/11 [354/00] Out 0603z Fair                                                       | PLdn                   | SUN |
|         | 0600z | 14/11 [353/33 79039.....19758] Out 0640z Strong                                     | PLdn                   | FRI |
|         | 0600z | 28/11 [354/00] Out 0603z Weak                                                       | PLdn                   | FRI |
|         | 0600z | 30/11 [353/00] Out 0603z Weak                                                       | PLdn                   | SUN |
|         | 0600z | 05/12 [353/00] Out 0603z Weak                                                       | PLdn                   | FRI |
|         | 0600z | 07/12 [352/00] Out 0603z Weak                                                       | PLdn                   | SUN |
|         | 0600z | 12/12 [353/00] Out 0603z Fair                                                       | PLdn                   | FRI |
|         | 0600z | 14/12 [359/00] Out 0603z Weak                                                       | PLdn                   | SUN |
|         | 0600z | 19/12 [351/00] Out 0603z Weak                                                       | PLdn                   | FRI |
|         | 0600z | 21/12 [352/00] Out 0603z Strong                                                     | PLdn                   | SUN |
|         | 0600z | 28/12 [350/00] Out 0603z Fair                                                       | PLdn                   | SUN |
| 8102kHz | 0315z | 12/11 [253/00]                                                                      | HfD                    | WED |
|         | 0315z | 03/12 [253/00]                                                                      | Ary                    | TUE |
| 8180kHz | 0720z | 06/11 [432/38 32175 44155 71480 90272 09059 13133 59050 75412.....08162 31505] Fair | RNGB, Brixmis, PLdn    | THU |
|         | 0720z | 13/11 [438//00] Good                                                                | RNGB                   | THU |
|         | 0720z | 20/11 [431/00] Strong (Polish SDR)                                                  | RNGB                   | THU |
|         | 0720z | 11/12 [435/00] Fair                                                                 | RNGB                   | THU |
|         | 0720z | 12/12 [430/00] Strong                                                               | RNGB                   | FRI |

|          |       |                                                                                     |                      |     |
|----------|-------|-------------------------------------------------------------------------------------|----------------------|-----|
|          | 0720z | 18/12 [438/00] Strong                                                               | RNGB                 | THU |
|          | 0720z | 26/12 [439/00] S3                                                                   | Brixmis              | FRI |
| 9079kHz  | 1000z | 04/11 [302/00] Out 1003z Weak                                                       | PLdn, HfD            | TUE |
|          | 1000z | 11/11 [309/00] Weak                                                                 | RNGB, Brian          | TUE |
|          | 1000z | 14/11 [308/00] Strong                                                               | dMHz, Brian          | FRI |
|          | 1000z | 18/11 [308/34 14258 46756 37438 53269 45240 61769 89857 88014.....79974 87737] Fair | Brian, PLdn          | TUE |
|          | 1000z | 25/11 [304/00] Good                                                                 | Brian                | TUE |
|          | 1000z | 28/11 [309/00] Fair                                                                 | Brian                | FRI |
|          | 1000z | 02/12 [309/00] Good                                                                 | RNGB, Brian, PLdn    | TUE |
|          | 1000z | 09/12 [305/00] Weak                                                                 | Brian                | TUE |
|          | 1000z | 12/12 [305/00] Out 1003z Weak                                                       | PLdn                 | FRI |
|          | 1000z | 16/12 [300/00] Out 1003z Strong                                                     | dMHz                 | TUE |
|          | 1000z | 19/12 [304/00] Fair                                                                 | Brian, PLdn          | FRI |
|          | 1000z | 23/12 [302/00] Fair                                                                 | Brian                | TUE |
|          | 1000z | 26/12 [307/00] Fair                                                                 | Brian                | FRI |
|          | 1000z | 30/12 [300/00] Fair                                                                 | Brian                | TUE |
| 10213kHz | 0745z | 03/11 [264/00] Good                                                                 | RNGB, Brian, HfD     | MON |
|          | 0745z | 10/11 [264/00] Strong                                                               | RNGB                 | MON |
| 10487kHz | 1910z | 07/11 [613/00]                                                                      | HfD                  | FRI |
|          | 1910z | 21/12 [611/00] Weak                                                                 | RNGB                 | SUN |
| 11559khz | 1205z | 04/11 [461/00] Out 1208z Weak                                                       | PLdn, HfD            | TUE |
|          | 1205z | 05/11 [465/00] Fair                                                                 | Brian, PLdn          | WED |
|          | 1205z | 11/11 [464/39 63295 25829 78666 46221 44552 24098 76592 86438.....32422 44637] Fair | Brian, Brixmis       | TUE |
|          | 1205z | 19/11 [466/00] Strong                                                               | Brian, PLdn          | WED |
|          | 1205z | 25/11 [465/00] S3                                                                   | Brixmis              | TUE |
|          | 1205z | 26/11 [469/00] Fair                                                                 | Brian, PLdn          | WED |
|          | 1205z | 02/12 [469/00] S3                                                                   | Brixmis, Brian, PLdn | TUE |
|          | 1205z | 09/12 [462/00]                                                                      | Brian                | TUE |
|          | 1205z | 10/12 [469/00] Fair                                                                 | Brian                | WED |
|          | 1205z | 17/12 [463/00] Good                                                                 | RNGB                 | WED |
|          | 1205z | 23/12 [462/00] S5                                                                   | Brixmis, Brian       | TUE |
|          | 1205z | 24/12 [466/00] Fair                                                                 | Brian                | WED |
|          | 1205z | 30/12 [463/00] Out 1208z Fair                                                       | PLdn                 | TUE |
| 12067kHz | 0845z | 03/11 [715/00] Good                                                                 | RNGB, Brian, HfD     | MON |
|          | 0845z | 05/11 [713/00] Good                                                                 | RNGB, Brian          | WED |
|          | 0845z | 10/11 [713/00] Good                                                                 | RNGB                 | MON |
|          | 0845z | 12/11 [711/00] Very weak                                                            | Brian                | WED |
|          | 0845z | 17/11 [714/00] Good                                                                 | RNGB, Brian          | MON |
|          | 0845z | 19/11 [711/00] Fair                                                                 | Brian                | WED |
|          | 0845z | 26/11 [712/35 00325 95506 65645 90179 06019 10956 05580 37275.....45803 07537] Good | Brian                | WED |
|          | 0845z | 01/12 [719/39 43010 53048 82818 67033 80691 66025 20111 65917.....43911 59008] Good | RNGB, Brian          | MON |
|          | 0845z | 08/12 [716/00] Good                                                                 | RNGB, Brian          | MON |
|          | 0845z | 10/12 [715/00] Fair                                                                 | Brian                | WED |
|          | 0845z | 15/12 [711/00] Fair                                                                 | Brian                | MON |
|          | 0845z | 17/12 [719/00] Fair                                                                 | Brian                | WED |
|          | 0845z | 24/12 [714/00] Good                                                                 | Brian                | WED |
|          | 0845z | 29/12 [719/00] Fair                                                                 | Brian                | MON |
|          | 0845z | 31/12 [719/00] Fair                                                                 | Brian                | WED |
| 12153kHz | 0505z | 04/11 [332/00]                                                                      | HfD                  | TUE |
| 12385kHz | 0645z | 11/11 [517/00] Good                                                                 | RNGB                 | TUE |
|          | 0645z | 13/11 [512/00] Fair                                                                 | RNGB                 | THU |
|          | 0645z | 30/12 [514/00] Good                                                                 | RNGB                 | TUE |
| 12924khz | 1745z | 02/11 [246/00] Very weak                                                            | Brixmis, PLdn, HfD   | SUN |
|          | 1745z | 09/11 [244/00] Weak                                                                 | RNGB                 | SUN |
|          | 1745z | 15/12 [247/00] Out 1748z Good                                                       | dMHz                 | MON |
|          | 1745z | 21/12 [249/00] Weak (Polish SDR)                                                    | RNGB                 | SUN |
| 13363kHz | 1430z | 01/11 [918/00] Out 1433z Fair                                                       | PLdn, HfD            | SAT |
|          | 1430z | 04/11 [912/00] Out 1433z Fair                                                       | PLdn                 | TUE |
|          | 1430z | 08/11 [912/00] S5                                                                   | Brixmis, PLdn        | SAT |
|          | 1430z | 11/11 [912/00]                                                                      | Gary H, PLdn         | TUE |
|          | 1430z | 15/11 [919/00] Out 1433z Fair                                                       | PLdn                 | SAT |
|          | 1430z | 25/11 [912/00] Out 1433z Weak                                                       | PLdn                 | TUE |
|          | 1430z | 29/11 [915/00] Out 1433z Fair                                                       | PLdn                 | SAT |
|          | 1430z | 02/12 [911/00] Out 1433z Fair                                                       | PLdn                 | TUE |
|          | 1430z | 09/12 [911/00] Out 1433z Weak                                                       | PLdn, Gary H         | TUE |
|          | 1430z | 13/12 [912/00] Good                                                                 | RNGB, PLdn           | SAT |
|          | 1430z | 20/12 [917/00] S3                                                                   | Brixmis, PLdn        | SAT |
|          | 1430z | 23/12 [911/00] Weak                                                                 | Brixmis              | TUE |
|          | 1430z | 30/12 [918/00] Out 1433z Strong                                                     | PLdn                 | TUE |
| 14410kHz | 1045z | 03/11 [693/00] Strong                                                               | Brian, PLdn, HfD     | MON |
|          | 1045z | 05/11 [694/00] Good                                                                 | RNGB, Brixmis, Brian | WED |
|          | 1045z | 12/11 [693/35 37708 64010.....80483 76090] Weak                                     | Brian                | WED |
|          | 1045z | 17/11 [696/00] Fair                                                                 | Brian, PLdn          | MON |

|          |       |                                                                                       |                           |     |
|----------|-------|---------------------------------------------------------------------------------------|---------------------------|-----|
|          | 1045z | 19/11 [698/00] Good                                                                   | Brian                     | WED |
|          | 1045z | 24/11 [692/00] Out 1048z Very strong                                                  | PLdn                      | MON |
|          | 1045z | 26/11 [698/00] Strong                                                                 | Brixmis, Pldn, Brian      | WED |
|          | 1045z | 08/12 [698/00] Good                                                                   | RNGB, Brian               | MON |
|          | 1045z | 10/12 [693/00] Good                                                                   | Brian                     | WED |
|          | 1045z | 15/12 [698/00] Strong                                                                 | Brian                     | MON |
|          | 1045z | 17/12 [692/00] Strong                                                                 | Brian                     | WED |
|          | 1045z | 22/12 [691/00] S5                                                                     | Brixmis                   | MON |
|          | 1045z | 24/12 [698/00] Strong                                                                 | Brian                     | WED |
|          | 1045z | 29/12 [691/00] Good                                                                   | Brian                     | MON |
|          | 1045z | 31/12 [691/00] Good                                                                   | Brian                     | WED |
| 14611kHz | 0820z | 04/11 [135/00] Good                                                                   | RNGB, Pldn, HfD           | TUE |
|          | 0820z | 05/11 [136/00] Good                                                                   | RNGB                      | WED |
|          | 0820z | 11/11 [130/00] Strong                                                                 | RNGB, Brian, PLdn         | TUE |
|          | 0820z | 12/11 [133/00] Very weak                                                              | Brian                     | WED |
|          | 0820z | 18/11 [130/00] Fair                                                                   | RNGB, Brian, PLdn         | TUE |
|          | 0820z | 19/11 [136/00] S3                                                                     | Brixmis, Brian            | WED |
|          | 0820z | 25/11 [134/40 08685 98016 13136 49825 96425 65465 25746 77744.....19149 96747]        | Ary, Brixmis              | TUE |
|          | 0820z | 02/12 [132/00] Fair                                                                   | RNGB, PLdn                | TUE |
|          | 0820z | 03/12 [130/00] Good                                                                   | RNGB                      | WED |
|          | 0820z | 09/12 [136/00] Strong                                                                 | RNGB, PLdn, Brian         | TUE |
|          | 0820z | 10/12 [138/00] Good                                                                   | Brian                     | WED |
|          | 0820z | 16/12 [132/00] Good                                                                   | RNGB, Brixmis             | TUE |
|          | 0820z | 17/12 [134/00] Good                                                                   | RNGB, Brian               | WED |
|          | 0820z | 24/12 [131/00] Fair                                                                   | Brian                     | WED |
|          | 0820z | 30/12 [133/00] Good                                                                   | Brian, PLdn               | TUE |
|          | 0820z | 31/12 [130/00] Good                                                                   | Brian                     | WED |
| 14972kHz | 0645z | 05/11 [634/00]                                                                        | HfD                       | WED |
|          | 0645z | 12/11 [410/39 04524 29874 14916 86685 94312 98958.....24018 05651] Weak (Polish SDR)  | RNGB                      | WED |
| 14975kHz | 0715z | 04/11 [634/00] Fair                                                                   | RNGB, HfD                 | TUE |
|          | 0715z | 07/11 [631/00] Fair                                                                   | RNGB                      | FRI |
|          | 0715z | 11/11 [636/00] Good                                                                   | RNGB, Brixmis             | TUE |
|          | 0715z | 14/11 [635/00] Good                                                                   | RNGB                      | FRI |
|          | 0715z | 05/12 [634/00] Fair                                                                   | RNGB                      | FRI |
|          | 0715z | 12/12 [630/00] Good                                                                   | RNGB                      | FRI |
| 15915khz | 0900z | 03/11 [538/00] Strong                                                                 | Brian, PLdn, HfD          | MON |
|          | 0900z | 05/11 [532/00] Strong                                                                 | RNGB, Brian, PLdn         | WED |
|          | 0900z | 12/11 [533/00] Weak                                                                   | Brian                     | WED |
|          | 0900z | 17/11 [535/00] Good                                                                   | RNGB, Brian, PLdn         | MON |
|          | 0900z | 19/11 [533/00] Weak                                                                   | Brian, PLdn               | WED |
|          | 0900z | 26/11 [539/35 96983 48473 78829 61993.....etc] Very weak                              | Brian                     | WED |
|          | 0900z | 01/12 [535/31 16414 99221 81794 08272 30092 07932 75423 72974.....88578 37205] Strong | RNGB, Brian, PLdn         | MON |
|          | 0900z | 03/12 [537/00] Out 0903z Fair                                                         | PLdn                      | WED |
|          | 0900z | 08/12 [535/00] Strong                                                                 | RNGB, Brian, PLdn         | MON |
|          | 0900z | 10/12 [538/00] Good                                                                   | Brian, PLdn               | WED |
|          | 0900z | 15/12 [538/00] Strong                                                                 | Brian, PLdn               | MON |
|          | 0900z | 1712 [535/00] Out 0903z Weak                                                          | PLdn                      | WED |
|          | 0900z | 24/12 [536/00] Strong                                                                 | Brian                     | WED |
|          | 0900z | 29/12 [536/00] Strong                                                                 | Brian, PLdn               | MON |
|          | 0900z | 31/12 [533/00] Strong                                                                 | Brian, PLdn               | WED |
| 17378kHz | 0845z | 04/11 [152/00] Good                                                                   | RNGB, HfD                 | TUE |
|          | 0745z | 05/11 [346/00] Good                                                                   | RNGB, Pldn, HfD           | WED |
|          | 0845z | 06/11 [156/00] Fair                                                                   | RNGB, Brian               | THU |
|          | 0745z | 07/11 [343/00] Fair                                                                   | RNGB                      | FRI |
|          | 0845z | 11/11 [152/00] Fair                                                                   | RNGB, Brian, Pldn         | TUE |
|          | 0845z | 13/11 [155/00] Out 0848z Strong                                                       | PLdn, Brian               | THU |
|          | 0745z | 14/11 [343/00] Very weak                                                              | RNGB, PLdn                | FRI |
|          | 0845z | 18/11 [154/00] Weak                                                                   | RNGB, PLdn                | TUE |
|          | 0745z | 19/11 [343/00] S4                                                                     | Brixmis                   | WED |
|          | 0845z | 20/11 [152/00] Fair                                                                   | RNGB, Brian               | THU |
|          | 0845z | 21/11 [349/00] Weak                                                                   | RNGB                      | FRI |
|          | 0845z | 25/11 [157/28 02418 57607 17096 59275 60394 72551 57626 30850.....02483 17927] Fair   | RNGB, Brixmis, Ary, Brian | TUE |
|          | 0745z | 26/11 [341/35 04260 06500 12219 ... 12239 25374 24783]                                | Ary                       | WED |
|          | 0845z | 27/11 [155/28 56313 41832 59912 67485 49247 73196 37826.....88531 79179] NOT a repeat | Ary, Brian, PLdn          | THU |
|          | 0745z | 28/11 [349/35 55236 39297 74714 63958 76219 63622 04910.....97093 85889] NOT a repeat | Ary                       | FRI |
|          | 0845z | 02/12 [155/00] Good                                                                   | RNGB, Brian, PLdn         | TUE |
|          | 0745z | 05/12 [349/00] Good                                                                   | RNGB                      | FRI |
|          | 0845z | 09/12 [154/00] Good                                                                   | RNGB, PLdn, Brian         | TUE |
|          | 0845z | 10/12 [348/00] Weak                                                                   | RNGB                      | WED |
|          | 0845z | 11/12 [150/00] Fair                                                                   | RNGB, Brian               | THU |
|          | 0845z | 16/12 [151/00] Strong                                                                 | RNGB, Brixmis             | TUE |
|          | 0845z | 18/12 [157/00] Weak                                                                   | Brian, PLdn               | THU |
|          | 0745z | 19/12 [348/00] Out 0748z Weak                                                         | PLdn                      | FRI |
|          | 0845z | 23/12 [152/00] Weak                                                                   | Brian                     | TUE |
|          | 0845z | 30/12 [157/00] Strong                                                                 | Brian, PLdn               | TUE |
| 20167kHz | 0715z | 03/11 [751/00] Weak                                                                   | RNGB, HfD                 | MON |
|          | 0715z | 05/11 [752/00] Weak                                                                   | RNGB                      | WED |

|                |                                                                                     |              |             |     |
|----------------|-------------------------------------------------------------------------------------|--------------|-------------|-----|
| 0715z          | 12/11 [751/00] Weak                                                                 | (Polish SDR) | RNGB        | WED |
| 0715z          | 26/11 [757/00] Very weak                                                            |              | RNGB        | WED |
| 0715z          | 03/12 [750/00] Weak                                                                 |              | RNGB, Ary   | WED |
| 0715z          | 10/12 [759/00] Weak                                                                 |              | RNGB        | WED |
| 0715z          | 17/12 [757/00] Weak                                                                 |              | RNGB        | WED |
| 0715z          | 24/12 [752/00] Weak                                                                 | (Polish SDR) | RNGB        | WED |
| 0715z          | 31/12 [751/00] Weak                                                                 |              | RNGB        | WED |
| 20286kHz 0600z | 03/11 [945/00]                                                                      |              | HFD         | MON |
| 23031kHz 0745z | 04/11 [221/00]                                                                      |              | HfD         | TUE |
| 0745z          | 11/11 [229/00] Very weak                                                            |              | Brian       | TUE |
| 0745z          | 13/11 [221/00] Good                                                                 | (Polish SDR) | RNGB, Brian | THU |
| 0745z          | 20/11 [229/00] Fair                                                                 | (Polish SDR) | RNGB, Brian | THU |
| 0745z          | 25/11 [224/30 18076 87947 49666 28747 84306 76002 63427.....76174 60748] Polish SDR |              | RNGB, Ary   | TUE |
| 0745z          | 27/11 [220/30 67536 45138 09593 17454....] Very weak – NOT a repeat                 |              | Brian       | THU |
| 0745z          | 16/12 [224/37 06769 53391 38387 55520 82733 37409 66226 88320.....82089 35058]      |              | Ary         | TUE |
| 0745z          | 18/12 [224/37 06769.....etc] Repeat of Tuesday.                                     |              | Brian       | THU |
| 23353khz 0830z | 03/11 [185/00] Weak                                                                 |              | Brian, HFD  | MON |
| 0830z          | 07/11 [185/00] Weak                                                                 |              | Brian       | FRI |
| 0830z          | 10/11 [185/36 59388 93434 52356 30764 15389 65119 88473 89375.....69744 23412] Fair |              | RNGB        | MON |
| 0830z          | 17/11 [184/00] Fair with QRM                                                        |              | RNGB        | MON |
| 0830z          | 21/11 [184/00] Fair                                                                 |              | RNGB, Brian | FRI |
| 0830z          | 28/11 [182/00] Weak                                                                 |              | Brian       | FRI |
| 0830z          | 05/12 [184/00] Weak                                                                 |              | RNGB        | FRI |
| 0830z          | 08/12 [183/00] Weak                                                                 |              | RNGB, Brian | MON |
| 0830z          | 12/12 [180/00] Weak                                                                 |              | RNGB, dMHz  | FRI |
| 0830z          | 15/12 [188/00] Weak                                                                 |              | RNGB, dMHz  | MON |
| 0830z          | 19/12 [185/00] Fair                                                                 |              | dMHz, Brian | FRI |
| 0830z          | 26/12 [183/00] Very weak                                                            |              | Brian       | FRI |
| 0830z          | 29/12 [189/00] Weak                                                                 |              | Brian       | MON |

#### **PoSW's Fam III logs:**

As always, the vast majority of transmissions are of the “no message” variety lasting just over three minutes. On a few occasions nothing has been heard from schedules which usually appear with reasonable strength signals, presumably due to propagation unless E11 decides to take a break once in a while. In addition, two of the frequencies listed below have been suffering interference from strong “XJT” noise-makers, in the case of 5432 slightly HF and 6849, pretty much on the same frequency.

#### **4505 kHz 1610 UTC**

15-Nov-25, Sat:- “391/00”  
22-Nov-25, Sat:- Nothing readable.  
26-Nov-25, Wed:- “390/00”, good signal.  
29-Nov-25, Sat:- “396/00”  
3-Dec-25, Wed:- “Nothing readable.”  
6-Dec-25, Sat:- “395/00”, strong signal.  
13-Dec-25, Sat:- “394/36”, message, “Out” at 1620:37s UTC.  
17-Dec-25, Wed:- “396/00”  
20-Dec-25, Sat:- “394/00”

#### **5082 kHz 2000 UTC**

27-Nov-25, Thu:- “525/00”  
30-Nov-25, Sun:- “528/00”  
4-Dec-25, Thu:- “520/00”  
7-Dec-25, Sun:- “525/00”  
18-Dec-25, Thu:- “524/00”

#### **5371 kHz 0700 UTC**

15-Nov-25, Sat:- “495/00”  
16-Nov-25, Sun:- “497/00”  
22-Nov-25, Sat:- Nothing readable.  
23-Nov-25, Sun:- Again, nothing heard.  
29-Nov-25, Sat:- Strong enough this morning, “492/00”  
30-Nov-25, Sun:- “490/00”  
6-Dec-25, Sat:- “492/00”  
7-Dec-25, Sun:- “496/00”  
13-Dec-25, Sat:- “492/00”  
14-Dec-25, Sun:- “498/00”  
20-Dec-25, Sat:- “491/00”

#### **5409 kHz 1530 UTC**

27-Nov-25, Thu:- “261/00”  
4-Dec-25, Thu:- “262/00”  
18-Dec-25, Thu:- “267/00”

#### **5432 kHz 1605 UTC**

16-Nov-25, Sun:- “236/00”, very strong “XJT” on the HF side, close enough to be a nuisance when using a receiver with a 2.5 kHz filter.  
18-Nov-25, Tue:- “230/00”  
23-Nov-25, Sun:- Nothing readable, the “XJT” HF strong as ever.  
25-Nov-25, Tue:- “232/00”, strong enough this afternoon.  
30-Nov-25, Sun:- “230/00”, very strong signal.



2-Dec-25, Tue:- "233/00"  
7-Dec-25, Sun:- "230/00"  
9-Dec-25, Tue:- "232/00"

#### 6804 kHz, 0700 UTC

7-Nov-25, Fri:- "570/00"  
11-Nov-25, Tue:- "576/00"  
14-Nov-25, Fri:- "573/00"  
18-Nov-25, Tue:- "577/00"  
21-Nov-25, Fri:- "576/00"  
25-Nov-25, Tue:- "579/31", message, first three 5F groups were "05615 45000 11019..." "Out" t 0709:34s UTC.  
28-Nov-25, Fri:- 579/31" again but, apparently, not the same message because the first three 5Fs this morning were, "01531 77699 99277...".  
2-Dec-25, Tue:- "570/00"  
5-Dec-25, Fri:- "574/00"  
9-Dec-25, Tue:- "575/00"  
12-Dec-25, Fri:- "570/00"  
16-Dec-25, Tue:- "579/00"  
19-Dec-25, Fri:- "570/00"  
23-Dec-25, Tue:- "570/00"

#### 6849 kHz, 1815 UTC

7-Nov-25, Fri:- "926/00", interference from a strong STANAG 4285 "XJT" on the same frequency as near as makes no odds.  
9-Nov-25, Sun:- "929/00" with "XJT" for company.  
14-Nov-25, Fri:- "925/39", message, became unreadable due to strong "XJT".  
16-Nov-25, Sun:- "925/39" again, "XJT" as strong as ever.  
21-Nov-25, Fri:- Nothing readable, "XJT" very strong.  
28-Nov-25, Fri:- "921/00", "XJT" still there but much weaker than earlier in the month.  
30-Nov-25, Sun:- "925/00", strong signal, much weaker "XJT" underneath.  
5-Dec-25, Fri:- "926/00", "XJT" is back as strong as ever.  
7-Dec-25, Sun:- "929/00", no sign of the noise maker.  
12-Dec-25, Fri:- "929/00", "XJT" seems to have given up and gone away.

#### 6849 kHz, 1900 UTC

10-Nov-25, Mon:- "646/35", message, "Out" at 1910:11s UTC.  
17-Nov-25, Mon:- "644/00"  
27-Nov-25, Thu:- "647/00", interference from strong "XJT".  
1-Dec-25, Mon:- "646/00", no sign of the "XJT".  
4-Dec-25, Thu:- "646/00"  
8-Dec-25, Mon:- "649/00", difficult copy, the strong "XJT" has returned.  
15-Dec-25, Mon:- "649/00", no "XJT" interference.  
18-Dec-25, Thu:- "644/00"

#### 8180 kHz, 0720 UTC

7-Nov-25, Fri:- "432/38", message, "Out" a few seconds before 0731 UTC.  
14-Nov-25, Fri:- "431/00"  
21-Nov-25, Fri:- "431/00"  
27-Nov-25, Thu:- "432/00"  
28-Nov-25, Fri:- "439/00"  
4-Dec-25, Thu:- Nothing readable.  
5-Dec-25, Fri:- "434/00"  
12-Dec-25, Fri:- "430/00"  
18-Dec-25, Thu:- "438/00"  
19-Dec-25, Fri:- "434/00"

#### 12067 kHz, 0845 UTC

3-Nov-25, Mon:- "715/00"  
5-Nov-25, Wed:- "713/00"  
10-Nov-25, Mon:- "713/00"  
12-Nov-25, Wed:- Nothing readable  
17-Nov-25, Mon:- "714/00"  
19-Nov-25, Wed:- "711/00"  
26-Nov-25, Wed:- "712/35", message, weak signal, sank into noise.  
1-Dec-25, Mon:- "719/39", message, good signal, ended a few seconds before 0856 UTC.  
3-Dec-25, Wed:- "716/00"  
8-Dec-25, Mon:- "716/00"  
17-Dec-25, Wed:- "719/00"

#### 13363 kHz, 1430 UTC

1-Nov-25, Sat:- "918/00"  
4-Nov-25, Tue:- "912/00"  
8-Nov-25, Sat:- "912/00"  
11-Nov-25, Tue:- "912/00"  
15-Nov-25, Sat:- "919/00"  
18-Nov-25, Tue:- Nothing readable.  
22-Nov-25, Sat:- Nothing readable.  
25-Nov-25, Tue:- "912/00"  
29-Nov-25, Sat:- "915/00"  
2-Dec-25, Tue:- "911/00"  
6-Dec-25, Sat:- "912/00"  
9-Dec-25, Tue:- "911/00"  
13-Dec-25, Sat:- "912/00"  
20-Dec-25, Sat:- "917/00"

#### 14611 kHz, 0820 UTC

4-Nov-25, Tue:- “135/00”  
18-Nov-25, Tue:- “130/00”  
19-Nov-25, Wed:- “136/00”  
25-Nov-25, Tue:- “134/40”, message, “Out” at 0831:15s approx.  
2-Dec-25, Tue:- “132/00”  
3-Dec-25, Wed:- “130/00”  
9-Dec-25, Tue:- “136/00”  
16-Dec-25, Tue:- “132/00”  
17-Dec-25, Wed:- “134/00”  
23-Dec-25, Tue:- “134/00”

#### 15915 kHz, 0900 UTC

3-Nov-25, Mon:- “538/00”  
10-Nov-25, Mon:- “533/00”  
17-Nov-25, Mon:- “535/00”  
19-Nov-25, Wed:- “533/00”  
24-Nov-25, Mon:- Nothing readable.  
26-Nov-25, Wed:- “539/35” (?), weak, difficult copy at first but became stronger, message, “Out” at 0910:15s approx.  
1-Dec-25, Mon:- “535/31”, message, signal strength up and down, “Out” at 0909:23s UTC.  
3-Dec-25, Wed:- “537/00”  
8-Dec-25, Mon:- “535/00”  
17-Dec-25, Wed:- “535/00”

#### 17378 kHz, 0745 UTC

5-Nov-25, Wed:- “346/00”  
12-Nov-25, Wed:- Nothing readable.  
14-Nov-25, Fri:- “343/00”  
19-Nov-25, Wed:- “343/00”  
21-Nov-25, Fri:- “349/00”  
26-Nov-25, Wed:- Nothing readable.  
28-Nov-25, Fri:- Nothing readable.  
3-Dec-25, Wed:- “340/00”  
12-Dec-25, Fri:- Nothing readable.  
19-Dec-25, Fri:- “348/00”, strong signal.

#### 17378 kHz, 0845 UTC

13-Nov-25, Thu:- “155/00”  
18-Nov-25, Tue:- “154/00”  
25-Nov-25, Tue:- “157/28, message, “Out” at 0853:45s UTC.  
27-Nov-25, Thu:- very weak, unreadable, became stronger around 0848z in message mode for a minute or so before sinking back into the noise again.  
2-Dec-25, Tue:- “155/00”, strong enough this morning.  
4-Dec-25, Thu:- Nothing readable.  
9-Dec-25, Tue:- “154/00”, reasonable signal.  
16-Dec-25, Tue:- “151/00”  
18-Dec-25, Thu:- “157/00”, strong signal.  
23-Dec-25, Tue:- “152/00”

**Tnx Peter.**

## **S06 log Nov/Dec**

#### **S06 log Nov/Dec log**

| Friday | 2000z                                                                                                                                                                                                                                                                                                                                       | 7923khz | 2100z | 5928kHz/5923kHz |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|-----------------|
| 07/11  | ‘842’ 00000                                                                                                                                                                                                                                                                                                                                 |         |       |                 |
| 21/11  | ‘842’ 763 51 05430 38851 16195 69122 92790 14834 01183 58655 33443 21477 01823 16377 06623 69672 21441 37903 61298 41704 47917 09853 38070 26597 32597 72957 50299 20526 47293 36056 06474 92387 33534 49418 08604 04061 21590 75393 87370 95982 30005 16087 28881 70256 97766 02262 57540 41099 86121 67796 23469 18115 63109 763 51 00000 |         |       |                 |
| 22/11  | ‘842’ message repeat – used 5937khz at 2100z                                                                                                                                                                                                                                                                                                |         |       |                 |

|       | 1900z       | 7923kHz | 2000z | 5943kHz |
|-------|-------------|---------|-------|---------|
| 05/12 | ‘842’ 00000 |         |       |         |

|       | 0400z                                         | 11616Hz | 0420z | 9322kHz |
|-------|-----------------------------------------------|---------|-------|---------|
| 05/11 | ‘480’ 563/ 21 2305 291/35 94242 via KiwiSDR J |         | (hFd) |         |

#### **S06c**

12124khz 02-12-2025 1645 ‘11186’ (R4m) on top of F06 (Tks Ary)

#### **Some logs and analysis from PoSW:**

#### **First + Third Fridays in the Month Schedule:-**

7-Nov-25:- 2000 UTC, 7923 kHz, “842 842 842 00000”, good signal.  
2100 UTC, 5928 kHz, second sending, also a good signal.

For some time this schedule has sent a message only twice in the course of a year in late spring and again in late autumn so six months apart, more or less. The last occasions on which the message variant were heard - unless someone knows otherwise - were on 29-May of this year and 22-November of 2024, which were the fourth Fridays of those months and so it was reasonable to assume a message would show up in November of this year - which turned out to be the case although it was heard on the third Friday of November, not the fourth:-

21-Nov-25:- 2100 UTC, 5928 kHz, nothing readable at 2000 on 7923, calling “842” for a message, DK/GC “763 763 51 51”, good signal, nice slow delivery of the 5F groups. Ended about fifteen seconds before 2115 UTC so a total transmission time of just under a quarter of an hour.

22-Nov-25, Saturday:- 2100 UTC, 5937 kHz, the “next day repeat”, weaker signal than on Friday and nothing readable at 2000 UTC on 7923.

Moved back by one hour in December:-

5-Dec-25:- 1900 UTC, 7923 kHz, “842 842 842 00000”, weak signal.  
2000 UTC, 5943 kHz, stronger.

**Thanks Peter**

## **S11a log Nov/Dec**

### **S11a log Nov/Dec**

|          |       |                                                                                       |            |     |
|----------|-------|---------------------------------------------------------------------------------------|------------|-----|
| 5371kHz  | 0830z | 01/11 [379/00] Weak                                                                   | PLdn       | SAT |
|          | 0830z | 02/11 [378/00] Good                                                                   | RNGB       | SUN |
|          | 0830z | 08/11 [370/00] Good                                                                   | RNGB       | SAT |
|          | 0830z | 09/11 [373/00] Fair                                                                   | RNGB       | SUN |
|          | 0830z | 15/11 [372/00] Good                                                                   | RNGB       | SAT |
|          | 0830z | 16/11 [370/00] Fair                                                                   | RNGB       | SUN |
|          | 0830z | 22/11 [NO transmission]                                                               | RNGB       | SAT |
|          | 0830z | 29/11 [379/37 50893 85324 97749 45741 34532 20810 36110 22187.....27704 70009]        | Ary        | SAT |
|          | 0830z | 30/11 [371/37 57987 36666 91078 08310 12193 18704 55382 42688.....71301 12291]        | Ary, PLdn  | SUN |
|          | 0830z | 06/12 [373/00] Strong                                                                 | RNGB       | SAT |
|          | 0830z | 07/12 [377/00] Good                                                                   | RNGB, PLdn | SUN |
|          | 0830z | 13/12 [379/00] Konyets 0833z Weak                                                     | PLdn       | SAT |
|          | 0830z | 14/12 [379/00] Good                                                                   | RNGB, PLdn | SUN |
|          | 0830z | 20/12 [371/00] Konyets 0833z Weak                                                     | PLdn       | SAT |
|          | 0830z | 21/12 [377/00] Good                                                                   | RNGB, PLdn | SUN |
|          | 0830z | 27/12 [373/40 69447 35183 19722 10601 64771 66729 25689 60979.....70703 99793] Good   | RNGB       | SAT |
| 6252kHz  | 0915z | 03/11 [480/00] Fair                                                                   | RNGB, HfD  | MON |
|          | 0915z | 10/11 [480/31 25897 59009 90362 26929 06055 10249 70193 89142.....50374 81023] Fair   | RNGB       | MON |
|          | 0915z | 17/11 [486/00] Good (Polish SDR)                                                      | RNGB       | MON |
|          | 0915z | 21/11 [482/00] Strong (Polish SDR)                                                    | RNGB       | FRI |
|          | 0915z | 01/12 [480/35 61540 78746 02976 76785 50678 28511 58851 06012.....48087 58950] Good   | RNGB       | MON |
|          | 0915z | 05/12 [487/00] Fair                                                                   | RNGB       | FRI |
|          | 0915z | 08/12 [487/00] Fair                                                                   | RNGB       | MON |
|          | 0915z | 12/12 [487/00] Good                                                                   | RNGB       | FRI |
|          | 0915z | 29/12 [483/00] Fair                                                                   | RNGB       | MON |
| 9050kHz  | 0700z | 03/11 [470/00] Weak                                                                   | PLdn, HfD  | MON |
|          | 0700z | 06/11 [476/00] Weak                                                                   | RNGB       | THU |
|          | 0700z | 20/11 [470/00] Good                                                                   | RNGB, PLdn | THU |
|          | 0700z | 27/11 [470/00] Weak                                                                   | PLdn       | THU |
|          | 0700z | 11/12 [479/00] Very weak                                                              | RNGB       | THU |
|          | 0700z | 15/12 [471/00] Konyetz 0703z                                                          | PLdn       | MON |
|          | 0700z | 18/12 [471/00] Fair                                                                   | RNGB       | THU |
|          | 0700z | 29/12 [478/00] Konyetz 0703z Fair                                                     | PLdn       | MON |
| 10448khz | 1400z | 04/11 [426/00]                                                                        | HfD        | TUE |
|          | 1400z | 11/11 [424/00]                                                                        | Gary H     | TUE |
|          | 1400z | 25/11 [429/38 85040 78346 23916 ... 98418 20977 32223]                                | Ary        | TUE |
|          | 1400z | 28/11 [427/38 51917 63379 05597 93601 45228 04872 51752.....62386 87423] NOT a repeat | Ary        | FRI |
|          | 1400z | 02/12 [429/00] Konyets 1403z                                                          | PLdn       | TUE |
|          | 1400z | 05/12 [422/00] Strong                                                                 | RNGB, PLdn | FRI |
|          | 1400z | 12/12 [421/00] Konyets 1403z Weak                                                     | PLdn       | FRI |
| 11486kHz | 1850z | 01/11 [287/00]                                                                        | HfD        | SAT |
| 11559kHz | 0445z | 04/11 [797/00]                                                                        | HfD        | TUE |
|          | 0445z | 30/12 [796/00] Konyets 0448z Weak (via Twente SDR)                                    | PLdn       | TUE |
| 19515khz | 0725z | 05/11 [385/31 77477 55008 40594 46267 67984 45325 79730 40475.....98334 75996] Fair   | RNGB       | WED |
|          | 0725z | 12/11 [389/00] Weak (Polish SDR)                                                      | RNGB       | WED |
|          | 0725z | 14/11 [380/00] Fair (Polish SDR)                                                      | RNGB       | FRI |
|          | 0725z | 03/12 [381/00] Weak                                                                   | RNGB       | WED |
|          | 0725z | 05/12 [385/00] Very weak                                                              | RNGB       | FRI |
|          | 0725z | 10/12 [389/00] Fair (Swedish SDR)                                                     | RNGB       | WED |
|          | 0725z | 12/12 [383/00] Weak                                                                   | RNGB       | FRI |
|          | 0725z | 17/12 [382/00] Fair (Swedish SDR)                                                     | RNGB       | WED |
|          | 0725z | 31/12 [383/00] Weak                                                                   | RNGB       | WED |
| 21906kHz | 0510z | 03/11 [657/30 61644.....etc]                                                          | HfD        | MON |
| 23486kHz | 0725z | 5/11 [385/31 77477.....etc]                                                           | HfD        | WED |

# V07

Before we start V07 surfaced on 25/11 as notified by Token and supported by Ary:

Caught an odd V07 schedule today, it was originally spotted and reported about 1238z by @Rycat in the Twente chat. I missed the 1230z callup, but looking at the waterfall history it started at 1230z.

Appears to be European, not far eastern. This set of transmissions used the old (pre June 2017) V07 voice.

|     |           |       |          |     |                   |    |
|-----|-----------|-------|----------|-----|-------------------|----|
| V07 | 9351 kHz  | 1230z | 25-11-25 | TUE | Tuned after start | T! |
| V07 | 10516 kHz | 1250z | 25-11-25 | TUE | 261/1 9496/91     | T! |
| V07 | 11431 kHz | 1310z | 25-11-25 | TUE | 261/1 9496/91     | T! |

Notice the callup (261) does not match the 100 kHz digit in the frequencies.

Not heard locally (California, USA), only heard using European remotes.

Confirmed by Ary with:

261 261 261 1 9496 91 9496 91  
97416 27774 67079 29462 21182 53749 78142 30195 88240 14013  
84492 24089 03137 91064 16686 43131 74634 99567 21741 83877  
52734 75111 59917 99969 85146 92157 91172 09426 18648 87804  
05371 90816 14429 03757 07018 82349 64601 77696 11902 51686  
56529 98156 93302 68078 96489 00878 63535 63996 81826 08472  
74912 55684 05504 54804 57956 22305 67855 67108 44314 29024  
62586 68715 11547 00435 08642 93674 78660 99379 84045 34335  
78529 96938 87664 70054 27347 54576 81807 91837 03479 84267  
28621 27176 27599 10176 11892 49685 85311 59623 45799 84712  
14494 000 000 *Courtesy Ary*

1B V07 Sun 02.11.2025 0200Z 17431 414:1-2379/128= 13231 via KiwiSDR USA  
Sun 02.11.2025 0220Z 16131 414:1 via KiwiSDR USA  
Sun 02.11.2025 0240Z 14431 414:1 via KiwiSDR USA

## Sunday

### November 2025

| 0200z         | 17431kHz              | 0220z                    | 16131kHz | 0240z | 14431kHz |
|---------------|-----------------------|--------------------------|----------|-------|----------|
| 17431kHz0200z | 02/11 (414 1 2379 128 | 13231 ... 45060 000 000) | QSA3     | DanAR | SUN      |

414 414 414 1  
2379 128  
13231 57252 44099 97147 12723  
21023 63412 05386 76773 94616  
34378 56769 75497 15015 48389  
02696 65068 16842 08631 43238  
35136 07065 20876 85471 42212  
29167 27516 07865 20427 13017  
39348 37212 11050 83943 20821  
02813 20906 42456 51184 65218  
89052 24118 73621 11479 70776  
44987 52918 51697 77500 98357  
41837 19421 62574 23567 96855  
97448 09670 37391 59800 74838  
21614 39772 18991 76831 77322  
98594 40791 48631 39707 56640  
58559 24785 65254 64060 98113  
55762 49488 89993 79478 65528  
75166 02984 72138 86513 51209  
99336 91311 52469 74464 25758  
52629 90599 57672 88594 13077  
05869 46063 82315 71327 89897  
40050 28313 41332 71788 29099  
27933 51854 41687 87010 04875  
23121 71418 84903 79573 86362  
54294 19192 13747 24053 56034  
86155 02196 32529 49043 54004  
76754 64483 45060  
000 000 *Courtesy DanAR*

|               |                                                |      |       |     |
|---------------|------------------------------------------------|------|-------|-----|
| 17431kHz0200z | 09/11 (414 1 2523 125 65213 ... 47307 000 000) | QSA3 | DanAR | SUN |
|---------------|------------------------------------------------|------|-------|-----|

414 414 414 1  
2523 125  
65213 17063 66160 57243 59462  
78041 00045 74849 90321 70915  
16095 01100 18327 09111 80235  
99051 69760 54531 50639 70478

71899 18557 06269 48841 78522  
83565 02762 81396 89455 99218  
55506 04343 47374 37718 07895  
70973 37003 91558 18572 12889  
38804 70398 26859 24254 19441  
93998 98149 82177 80820 85994  
40671 03620 87812 67900 97424  
70614 39158 00215 29672 57748  
71740 19977 78669 94159 19493  
57371 60253 16895 08888 44877  
73291 03336 44339 44987 33557  
28842 69306 42987 48938 44612  
99058 21437 30383 29605 74131  
01835 67483 58075 48632 68012  
28934 12746 94277 03921 00862  
10908 85863 65574 34701 93622  
90129 18101 28962 10921 18822  
84818 89159 24013 03722 83670  
70321 94178 38619 23419 21085  
44777 72618 01743 43302 07327  
66952 87101 97642 07426 47307  
000 000       *Courtesy DanAR*

17431kHz0200z       16/11 (414 1 7201 98 74756 ... 51346 000 000) QSA3       DanAR       SUN

414 414 414 1  
7201 98  
74756 73909 47200 77574 56556  
81482 02943 87812 44834 13526  
28899 08890 27590 61282 87880  
31168 22778 12414 87446 53648  
15713 25620 93916 99331 58679  
69128 25651 63116 24626 50062  
56311 32185 35127 58266 11622  
66983 41854 99707 64894 25432  
58223 81169 20537 88426 62441  
91867 58561 48504 84363 42140  
71482 42732 11042 07056 96329  
28079 12080 88399 73182 47279  
91831 40053 09184 84965 89845  
18168 65157 68887 29388 46718  
95557 06482 63463 68471 41752  
49272 09034 18703 23084 14695  
58483 95114 18487 27386 02340  
35298 70474 59227 23032 10298  
38370 07812 36804 33691 88311  
07214 59239 51346  
000 000       *Courtesy DanAR*

17431kHz0200z       22/11 (414 1 8047 103 95395 ... 68911 000 000) QSA3       DanAR       SUN

414 414 414 1  
8047 103  
95395 53900 39568 26390 96119  
71652 77259 12864 22635 59719  
93971 89576 63590 51839 26044  
11034 52920 59341 74760 53438  
21234 44475 72012 79783 16707  
13247 41002 96345 22588 37725  
34500 43410 29031 32295 29918  
38185 91735 80210 80062 76258  
91194 42431 95175 88795 48461  
64321 65318 21719 66761 52901  
14496 02109 16666 91905 33769  
84252 84302 32598 38832 65141  
60043 85195 71572 49647 86544  
05636 49914 28002 19063 68016  
17750 06612 16288 94515 09268  
54560 36566 51671 34546 31260  
41879 29866 94517 32616 46021  
92334 48596 21892 63205 26768  
07929 08477 49510 58878 29763  
34775 68157 57229 24569 81996  
84169 35489 68911  
000 000       *Courtesy DanAR*

17431kHz0200z       30/11 (414 1 7316115 80747 ... 74276 000 000) QSA3       DanAR       SUN

414 414 414 1  
7316 115  
80747 26361 81560 76849 38804  
67212 07212 00110 94213 61064  
92602 94862 14759 18010 63668

18340 14716 64945 40622 46166  
86333 41039 40026 89038 54005  
98169 51912 18938 11579 60723  
87874 51847 10410 28563 34440  
02035 81007 10664 56193 46660  
81955 02484 87203 80628 89982  
40579 83822 42132 52324 24516  
72376 80201 95864 81912 92064  
06679 66742 62279 42729 47902  
83511 21989 82428 231?? 66411  
07711 48553 35229 44261 90261  
36856 10285 06546 44154 41125  
14109 27598 82118 89157 97278  
68971 94544 47557 34423 91650  
54961 34836 12039 33730 54869  
61867 99676 30607 40850 65211  
83561 17974 58544 20408 77410  
42820 51832 13931 72111 01115  
60280 95063 31168 86812 78979  
85234 69961 86425 49137 74276  
000 000       *Courtesy DanAR*

# December 2025

**0200z      18249kHz                      0220z      15949kHz                      0240z      14549kHz**

14549kHz 0240z      07/12 (295 295 295 1 6156 98 58326 ... 86770 000 000 QSA2                      DanAR                      SUN

295 295 295 1  
6156 98  
58326 11722 75800 41889 42102  
15509 41904 47380 17607 57755  
23443 11935 40148 22275 73122  
45056 17275 16955 18076 86589  
93904 12307 96741 05935 31736  
55306 77155 92783 43744 88433  
80292 07381 26175 36464 00882  
75036 67644 29986 05240 31609  
24218 90633 18066 68111 21785  
48476 63642 18703 04227 01013  
44091 73980 59771 81881 66158  
02875 72898 81247 01818 50521  
36824 67975 71800 93047 75036  
04086 03751 07957 24950 04522  
53280 88904 34717 06326 90540  
80503 70853 32083 14385 46606  
97419 12807 32031 04807 50505  
92354 40641 45736 23691 99123  
69290 02723 88024 10809 78640  
18699 33173 86770  
000 000       *Courtesy DanAR*

14/12 (295 295 295 1 1669 121 61096 ... 56101 000 000) QSA2                      DanAR                      SUN

295 295 295 1  
1669 121  
61096 16443 10256 76848 09176  
99444 56453 39973 96999 34048  
89910 72021 75969 66094 67769  
61785 22717 58745 06626 01301  
31298 08675 80967 98577 09476  
45234 33495 07117 46514 36618  
12594 79621 09851 49083 21822  
71794 78437 18939 07281 30658  
82807 14691 44746 69629 82536  
98294 77090 82905 41938 05709  
14735 74723 33574 58573 75182  
02050 78497 90103 69910 49052  
00542 42513 52398 36529 44313  
18515 31121 01178 96905 62722  
69143 56457 17323 36458 55608  
43155 54341 65192 43506 27528  
59525 03893 03809 37393 20869  
37118 17918 51034 23458 17192  
41706 66355 83468 04617 03834  
81169 23245 30636 89693 49028  
32588 68684 72523 48180 63924  
83268 86744 47652 09757 43828  
38770 04242 45900 19647 95638  
41985 17892 99219 86910 73798  
56101 000 000   *Courtesy DanAR*

14549kHz 0240z21/12 295 1 6546 101 966202 ... 07340 000 000) QSA2DanARSUN

295 295 295 1  
6546 101  
96620 49983 31758 70822 90747  
43629 67918 39709 80729 39071  
99393 45357 74599 43287 90661  
90321 46069 93397 69631 27514  
46197 33195 06517 48866 65343  
65156 95125 77696 94988 05101  
77814 81070 24019 61272 92429  
19553 37734 44337 07525 72164  
12315 85444 81916 56899 48033  
07483 90590 06242 45176 39826  
40821 34822 40120 63232 40574  
10633 74786 16079 67332 11851  
49186 26299 89487 66215 82322  
76555 26127 90545 70604 12442  
24468 07821 80127 55372 44766  
86185 00195 05769 06027 54694  
75896 07645 26851 37199 81043  
02282 61347 06471 54431 27848  
15482 48526 59716 24333 01965  
57629 47578 39773 78487 57766  
07340 000 000 *Courtesy DanAR*

14549kHz 0240z28/12 295 295 295 000) QSA2DanARSUN

## V13

Nil Reports

## V15 North Korean Intelligence via Radio Pyongyang

Nil Reports

## V24 South Korean Intelligence

Nil Reports

## V26

Nil Reports

# Polytones

## XPA1 Wed/Fri

November 2025

Wednesday/Friday

| 1310z                                                                                                                                                                                                                                                                                                                                     | 13875kHz                          | 1330z | 13375kHz | 1350z | 10875kHz              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-------|----------|-------|-----------------------|
| 05/11                                                                                                                                                                                                                                                                                                                                     | 02441 00046 17717 ... 23626       |       |          |       | 1310z Fair, rest Weak |
| 838 838 838 1 838 838 838 1 838 838 838 1                                                                                                                                                                                                                                                                                                 |                                   |       |          |       |                       |
| 02441 00046 17717 43159 96982 63455 36245 06096 30484 44386<br>77155 59822 09013 19736 08265 20333 81435 96986 07134 60842<br>93396 03985 11786 30130 36932 02071 03607 80497 09389 86694<br>64007 69281 73589 50457 13257 80244 81552 96931 23823 03930<br>41156 21721 13416 42257 41858 89063 12763 29865 23626<br><i>Courtesy PLdn</i> |                                   |       |          |       |                       |
| 07/11                                                                                                                                                                                                                                                                                                                                     | 838 1 02441 00046 17717 ... 23626 |       |          |       | 1350z Weak, rest Fair |
| 12/11                                                                                                                                                                                                                                                                                                                                     | 838 1 02441 00046 17717 ... 23626 |       |          |       | Weak                  |

14/11 838 1 02441 00046 17717 ... 23626 1350z Fair, rest Strong

19/11 838 1 00606 00443 43450 ... 52702 1350z Unworkable, rest Fair

838 838 838 1 838 838 838 1 838 838 838 1

00606 00443 43450 35898 89734 25589 27315 44706 48103 86059  
01525 54275 92004 83407 76823 06640 36270 20905 42142 23135  
07771 60088 77952 60577 29538 38130 79962 99049 67578 52708  
11029 08174 94899 19610 21876 38878 01469 72709 83554 40107  
13773 72537 92170 11950 94490 01830 89073 63046 47251 72002  
66313 30094 13338 14693 61017 32239 60462 61861 45157 60961  
46846 23213 22651 58967

84126 53183 37233 48437 72931 18606 86810 58330 66771 61935  
66868 44572 16434 82164 54910 50779 82939 38556 98383 67948  
01546 35631 73961 89799 83736 76023 62353 02781 12617 13687  
07131 99476 01353 20701 02909 30212 53274 14050 92952 42749  
84720 90223 14335 43073 76733 29411 13673 92666 30851 98003  
67079 99539 62925 15212 50614 13721 37497 92843 69462 67700  
37107 47439 04150 11496

94844 71554 26997 81542 30155 23073 96115 94810 42927 65115  
35564 65668 51312 95239 20914 02555 39440 01656 92069 21356  
05962 83429 53981 91218 49832 39479 07222 26105 59386 73713  
40997 11058 99690 87227 71972 79694 75942 44728 14209 22071  
90661 68274 06320 73703 91722 39386 79408 46331 36146 64157  
08480 90348 60597 78617 55517 33431 52915 02119 70728 99143  
38453 57853 34358 80688

77076 69898 42677 75699 15616 65576 87867 08884 07766 87985  
16819 91882 33379 95527 90528 71987 56278 83059 71938 39842  
74739 21362 50241 46816 26303 74239 74699 01693 41848 39677  
94306 55880 51390 65070 96683 24950 47905 12146 44166 58209  
45140 02629 27902 56059 89865 40681 42039 17735 61591 20036  
49767 84108 61960 89024 04737 13739 49019 57968 67733 92794  
92527 21492 69462 17266

14326 88297 88177 12935 23959 52958 76547 28896 52040 74071  
90437 08086 48567 41122 01601 59815 10084 23033 52748 13799  
19583 13036 51641 48649 30295 07044 54189 49843 35873 78863  
11884 71003 31492 90375 26082 06467 45504 63752 93553 84583  
04295 63477 25778 43685 43345 95507 67113 40517 65364 25133  
17478 35128 59550 40839 50812 25894 00630 56001 34495 29608  
26398 95627 76596 17464

08148 10232 66019 12374 31254 02971 14695 90066 75996 49733  
73370 03473 16313 14901 62863 25663 28428 06752 77467 71701  
00135 45439 65029 73529 62284 37522 50398 16053 84217 87704  
14349 35142 15096 15748 24620 55836 65223 02219 11932 43309  
58922 47823 68475 70535 10913 69651 41616 44628 66346 57664  
81029 38679 93918 93225 30106 89809 50097 40627 04745 11537  
18812 59633 09927 79023

21116 21995 77958 89848 90860 45347 70604 97345 98152 00285  
47725 65394 62492 94882 34402 27836 86030 18806 11601 21145  
30937 14055 77333 65548 81454 47561 20458 86243 02874 32864  
53043 93179 05340 20343 71345 62167 08658 47810 46511 09146  
93749 14823 79919 26311 64010 53340 07444 37452 04369 93795  
52112 81563 02081 67167 86223 52385 43181 97025 07421 95433  
10077 52702 *Courtesy PLdn*

21/11 838 1 00606 00443 43450 ... 52702 1350z Weak, rest Fair

26/11 838 1 00606 00443 43450 ... 52702 1330z Fair, rest Weak. 1310z QSB3

28/11 838 1 00606 00443 43450 ... 52702 1350z Weak, rest Fair

## December 2025

**1310z 13465kHz 1330z 12165kHz 1350z 10265kHz**

03/12 412 1 00875 00206 38832 ... 20755 1140z OTHRQRM5, rest Fair, 1120z OTHRQRM3

412 412 412 1 412 412 412 1 412 412 412 1

00875 00206 38832 97279 95229 65445 21940 98555 42074 83170  
89794 58892 85102 56822 33780 69556 78736 54952 77758 08155  
50513 13708 51687 30516 99535 03594 99591 72865 44564 00687  
22622 98751 82969 40161 17744 01327 01571 71642 38892 70649  
64259 33051 53197 42072 29013 68198 43402 95891 43154 16356  
92344 80148 95127 05748 67862 02496 97528 26638 63611 41420



72039 07370 27780 47344

68350 10418 37702 56147 39087 43333 83051 73729 80523 20540  
20059 20224 26196 71041 30625 38732 91123 58222 48621 81972  
64301 55452 09774 51483 93149 77194 50126 89557 11782 93323  
75114 95361 91301 11045 16935 17450 17944 11772 88295 09826  
13445 65694 58664 50905 74750 07187 43545 48856 76056 37257  
39324 79910 73572 18034 65904 34776 52608 99895 70349 47744  
35823 70200 36997 82647

44334 42869 16044 25574 78863 02809 37921 32800 93171 64144  
33921 68237 87676 89986 88031 12618 49456 77690 22505 68870  
99461 92834 32517 55104 74352 73567 85088 13190 49631 03738  
14026 44589 82846 99888 46349 46918 55686 34268 10765 79679  
07965 45423 55049 67580 54570 15672 44555 49513 96328 01966  
67724 72512 86221 71968 65027 10166 35667 00315 20028 48827  
91781 33031 11874 07010

46608 77527 51296 59514 21021 65178 63476 39383 84357 62333  
24646 99311 57903 40249 80251 72313 20755      *Courtesy PLdn*

|       |                                     |                                              |
|-------|-------------------------------------|----------------------------------------------|
| 05/12 | 412 1 00875 00206 38835 ... 20755   | 1310z Strong, 1330z Fair, 1350 OTHRQRM5      |
| 10/12 | 412 1 00875 00206 38835 ... 20755   | 1310z Fair, 1330z Weak, 1340z OTHRQRM5       |
| 12/12 | 412 1 00875 00206 38832 ... 20755   | 1350z OTHRQRM4/5, rest Strong                |
| 17/12 | 412 1 00875 00206 38832 ... 20755   | 1310z Strong, 1330z Weak QSB3, 1350 OTHRQRM5 |
| 19/12 | 412 1 00875 00206 38832 ... 20755   | Fair                                         |
| 24/12 | NOT MONITORED                       |                                              |
| 26/12 | NOT MONITORED                       |                                              |
| 31/12 | 412 000 08926 00001 00000 ... 40662 | 1350z Very weak, rest Weak                   |

## XPA2 Mon/Wed [p]

Monday/Wednesday

November 2025

| 0800z | 11529kHz                    | 0820z | 13429kHz | 0840z | 13929kHz                    |
|-------|-----------------------------|-------|----------|-------|-----------------------------|
| 01/12 | 06630 00001 00000 ... 34261 |       |          |       | Very strong, {0800z MISSED} |
| 03/11 | 00869 00239 14651 ... 07734 |       |          |       | 0800z Fair, rest Strong     |

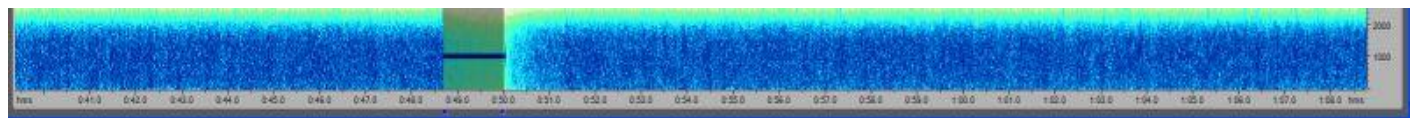
00869 00239 14651 11656 94298 01857 29787 84584 07664 90886  
21664 37226 64051 19515 65076 30291 80562 75446 23289 09586  
08191 73581 80795 83003 84836 54619 41287 56316 52745 23243  
96195 91398 39122 07277 61917 79520 90433 85870 76262 19242  
43944 18902 77114 94065 64101 98062 22001 76852 29983 14662  
41995 56268 02415 01420 44995 67645 61554 03999 89965 65710  
20359 84017 95202 47441 32549 11171 22795 14687 47407 53627  
40459 45430 90339 51288 27054 32448 13192 27562 89396 63475  
46699 42343 53511 32610 50194 75213 68846 67016 18043 30187  
30095 89931 05755 76017 77118 79573 88213 19686 03173 42241  
62522 05080 91185 20218 34774 46213 24873 64486 57695 80212  
62790 77531 04447 21935 89828 88805 28612 06235 57763 14872  
55450 08337 87369 16335 29969 52496 28981 07385 72681 28228  
67953 35782 51641 05835 78886 17357 64439 60068 44699 88613  
81497 60112 74659 29640 59232 74821 67192 35116 70300 32067  
82960 73603 72056 49033 10184 32993 28892 95999 09533 11756  
04561 43329 47674 92023 10033 75908 32886 82455 55158 93110  
51448 20995 69055 58965 55606 52050 70617 03588 39163 20440  
76195 17193 70759 81247 59442 92491 41042 31860 70827 75747  
76563 63116 34872 38222 85390 25702 43159 39362 66972 99211  
33651 80883 61882 03619 30323 52599 90832 78647 25293 60399  
17988 62611 76979 77672 43261 48415 16001 94922 16544 18315  
90377 19466 27254 33165 89966 99270 07611 87451 22428 94620  
13338 43504 75353 44084 56020 09919 71744 10911 06367 11450  
75835 07734      *Courtesy PLdn*

|       |                             |                                                  |
|-------|-----------------------------|--------------------------------------------------|
| 05/11 | 00869 00239 14651 ... 07734 | Very strong                                      |
| 10/11 | 00869 00239 14651 ... 07734 | Fair                                             |
| 12/11 | 00869 00239 14651 ... 07734 | Weak; overall poor copy, QSB to nil on all slots |

|       |                             |        |
|-------|-----------------------------|--------|
| 17/11 | 08630 00264 92968 ... 25014 | Strong |
|-------|-----------------------------|--------|

08630 00264 92968 27827 27066 56872 71135 18355 26462 13797  
86916 05097 49132 76431 33214 99940 11771 19632 89818 10118  
49609 30229 67550 24661 90293 71398 11128 07537 36367 81060  
11240 57136 49755 15598 51157 96107 23891 45912 33283 88961  
50676 02845 89016 08835 81938 03033 40014 55372 09178 78908  
63830 92190 29408 97243 16610 06049 40781 70088 69176 65586  
58960 28946 34642 83478 26550 58601 49203 53816 78232 30052  
09264 57376 92754 84925 97468 20563 91071 55028 98830 45520  
71918 16380 59444 95032 15833 53248 82109 64560 87507 46534  
41485 46668 42903 00203 94973 46543 22498 66586 59503 62501  
60780 92900 97182 39518 49557 50913 77048 19933 20475 37851  
23597 06791 79987 55525 71950 36868 17090 42952 76050 04644  
99517 22524 19669 56861 91582 38493 80674 72760 89460 31170  
12136 61159 20087 77814 22760 67244 20709 31551 44490 46100  
43065 33158 65920 16308 85087 30752 15738 01580 37383 18722  
85987 67949 05685 61843 81648 39236 27315 57242 60903 04348  
76157 54539 85327 79905 44558 20177 16262 70484 94672 08940  
60119 50628 08256 70500 79180 63684 81531 33008 83211 20652  
02964 81817 65446 09888 53121 82538 87560 12359 20194 98955  
45771 82025 92246 44874 08071 09771 05724 42333 36878 05871  
30056 48226 78941 67840 04804 59787 18310 27747 63261 75868  
64989 95052 75638 54371 74760 03399 42275 32416 89918 93777  
10454 24727 06284 86400 72684 94109 54258 69921 56245 72589  
05704 80312 15919 52080 39526 70323 93828 46821 34986 97747  
86174 77365 25352 99616 79030 82260 39753 04994 20345 04999  
23586 66412 16382 32317 60352 84098 38953 83254 90032 16643  
38042 11938 74416 12716 92989 33002 25014      *Courtesy PLdn*

|       |                             |                          |
|-------|-----------------------------|--------------------------|
| 19/11 | 08630 00264 92968 ... 25014 | Very strong, rest MISSED |
| 24/11 | 08630 00264 92968 ... 25014 | Strong                   |



|       |                             |                 |                                                                 |
|-------|-----------------------------|-----------------|-----------------------------------------------------------------|
| 26/11 | 08630 00264 92968 ... 25014 | <i>as above</i> | 0800z Strong, 0840z Very strong., 0820z NRH. 1.3s Tone at 0819z |
|-------|-----------------------------|-----------------|-----------------------------------------------------------------|

**December 2025**

| 0800z | 11493kHz                    | 0820z | 13393kHz | 0840z | 13993kHz                       |
|-------|-----------------------------|-------|----------|-------|--------------------------------|
| 01/12 | 06630 00001 00000 ... 34261 |       |          |       | Very strong [0800z MISSED]     |
| 03/12 | 03142 00001 00000 ... 32657 |       |          |       | Strong                         |
| 08/12 | 07776 00001 00000 ... 37666 |       |          |       | 0800z Strong, rest Very strong |
| 10/12 | 08594 00001 00000 ... 35671 |       |          |       | Fair                           |
| 15/12 | 00463 00383 30548 ... 41631 |       |          |       | Strong                         |

00463 00383 30548 05835 88893 30729 89768 66328 02706 31408  
88454 00603 47387 54872 56805 38117 38264 74826 50003 07614  
52643 05033 53600 60066 57396 99604 53682 77870 08456 55027  
28490 78044 43284 86446 18258 20808 40638 07566 01487 27775  
68539 39605 29655 56763 28202 06564 05050 22420 00400 86675  
54838 36359 03266 54467 08667 48650 84388 02030 30207 42827  
22260 28062 15066 81074 28110 86586 69959 08037 00855 33032  
05702 83788 22778 73608 86666 08500 12594 82023 22374 08484  
01267 88546 73803 64724 26588 24088 23815 79084 30074 16026  
56627 24848 82780 36260 78262 21454 92875 75506 47689 43238  
72608 02400 88280 60639 52286 48634 86500 20834 67775 32824  
08901 63335 88679 83924 60688 28846 80608 60718 45032 05884  
04038 60440 02150 80000 92736 95866 18488 60975 83467 22870  
87344 69705 96000 04880 83008 97532 80400 13336 69803 80032  
34892 31745 38475 83286 56038 60856 15280 32256 87840 88737  
03775 80860 34082 06644 55880 38884 28337 35386 84033 38333  
63058 00420 64685 44552 21358 56072 05745 84700 08683 70553  
30865 24770 80800 25819 60368 49003 84300 44577 82508 88706  
18655 86230 88383 80706 02357 09229 63020 33600 03638 58634  
92384 03680 67850 04583 02608 86020 51854 82008 86057 70058  
25508 93613 06520 88361 59110 57450 78806 67465 88785 74532  
80027 00359 61608 16628 74430 20137 67224 17158 38437 46832  
06897 57765 64205 78999 13473 17303 18886 28253 63311 69275  
35398 62070 49645 88626 57363 07480 28440 19480 59943 86493  
55653 16421 04759 43268 78825 36186 64435 86432 08830 54586  
88638 55076 42235 10361 29751 35806 63052 41425 42608 27030  
83024 20886 41280 36172 88108 41199 91600 46280 65788 67883  
52738 77365 88305 48636 85870 84879 37626 68848 86423 04052

92002 33221 41182 11528 07864 86805 26737 33068 01931 83833  
14808 02843 93060 33621 67104 72355 53673 00000 08827 63087  
86843 56625 60885 35027 42863 57202 82484 72686 23704 00064  
38503 60033 20280 93240 63058 87850 38006 06193 87882 03737  
82253 73001 83846 82862 66006 08605 45836 38582 40667 09030  
92257 88204 82608 25865 06832 80022 44570 57733 25448 76632  
82887 00078 25750 83545 60622 30864 28887 87766 53803 72313  
75112 70806 42070 27205 67002 48376 30500 88020 03750 43920  
03687 60568 65835 66204 33622 23272 50800 83027 05618 25802  
00147 84490 26613 77425 78085 82058 00388 61758 08032 06019  
23808 41537 03016 79664 55849 00747 41630      *Courtesy PLdn*

22/12                      NOT MONITORED

24/12                      NOT MONITORED

29/12                      00939 00641 83236 ... 64362

0800z Strong, rest Very strong

00939 00641 83236 40546 58995 81914 14223 91189 61337 48305  
26124 77819 81609 06587 74048 07620 72274 26098 60751 76928  
10535 67741 55303 07553 44341 55702 58056 20905 10332 84462  
93326 15823 74889 39091 47286 48247 60036 16707 54910 04910  
91964 09829 56661 69694 59873 85409 05191 64650 95333 41800  
00150 66959 63481 35282 33841 70431 04231 56739 46214 29121  
84544 66246 53066 89359 12728 11825 43926 85276 54844 42585  
61176 27635 51192 08134 32524 97319 32428 61319 08322 15302  
37506 03845 48084 93541 28255 05564 56198 60053 31333 74894  
72960 83389 17457 41158 09496 24814 56754 59631 51218 44230  
27909 98620 79183 75040 72963 63199 39397 15023 66060 07637  
35095 95095 37386 73379 43709 99704 96642 43093 39909 05154  
96758 40164 73372 05257 05328 06488 05525 51286 99287 74833  
62836 21046 84684 35423 29782 65110 99673 55441 46133 83104  
67513 23946 13886 03611 04373 12589 13740 82631 56974 28177  
31134 49796 72615 80068 82279 99225 03483 92036 98502 76803  
94920 24610 85794 13730 92927 07128 54098 18170 66607 22794  
95433 18731 29379 62728 66357 81437 08578 83225 03740 58021  
08937 60890 46716 63443 53383 87112 21723 52073 10606 74750  
81819 72452 58478 78273 69907 90979 10768 05253 33477 91836  
14189 06997 87660 41552 27045 28539 31799 22769 62611 18210  
63067 90910 59274 59825 33764 36633 75381 50130 13288 00663  
34102 57310 77043 52097 10007 81403 51496 71786 25114 41453  
80030 53755 22796 09293 40378 34273 17566 74231 75209 67845  
61616 83949 55711 39570 51733 69247 32690 88392 36636 84619  
67371 86144 62318 99722 42888 88019 88390 39581 09674 36858  
18364 05708 33384 44672 88402 79653 77966 34928 08409 57560  
63386 80499 94307 61574 58231 39449 35381 36789 60143 69596  
11645 46947 74190 00267 81453 80968 05488 93002 27277 07640  
49666 11511 65476 87399 54292 16745 41390 08290 93304 39879  
18076 06672 45777 67434 98959 63485 08429 80226 68546 82915  
51320 28140 46023 28148 43105 46532 56609 69513 97229 12360  
34127 08652 21163 15491 09476 12176 93957 67842 61537 82619  
90863 68817 82189 34351 68014 92275 23842 24442 67670 44658  
64818 90340 71231 82188 96760 97478 22253 07053 37607 59313  
09278 75359 44856 12208 60509 16327 98534 11342 62191 91280  
50714 76666 90798 71706 75414 43808 38776 94995 26340 98455  
99203 57391 38718 53444 90847 32688 51834 91497 12975 25098  
36808 00211 56420 22751 02232 34978 01858 56924 21910 50135  
26249 72988 94450 41168 74108 88295 52037 53558 91186 34777  
98058 12526 87811 84388 40145 40653 00900 59302 88118 67774  
07205 42325 51183 22443 67949 14927 38385 00841 39202 76625  
16684 47825 74257 13036 49595 49593 37664 59344 55845 58826  
96859 19608 89601 85005 86269 48870 21176 24722 90333 29234  
55449 51876 41200 96110 93572 24827 45078 86324 64288 30580  
25324 26095 32237 68083 78264 33832 84041 78057 68494 60690  
11845 06567 19661 60120 27646 79838 09984 13881 48737 46991  
48512 98646 26839 26907 05084 62640 66003 38272 22991 82212  
06607 62378 80782 66945 20331 63414 78319 37597 47041 04163  
84716 21707 52405 86548 55877 56826 72031 73695 38163 42055  
79034 29120 91219 90974 79074 41985 31843 40901 93441 01879  
66748 02619 81635 79719 17712 63477 21828 95360 52663 98233  
59555 85832 10213 78509 54851 37422 09933 93003 96792 44881  
25964 84752 73665 16486 90509 93817 03938 66018 79560 88549  
32376 31550 48825 59757 86508 53238 76960 38699 66605 35245  
49156 88717 43053 57235 62889 17437 18175 32161 63186 18367  
31551 67787 16186 81755 65835 69892 09292 73425 42942 48951  
27311 06666 39972 94191 23936 27393 43823 57503 37461 76883  
64741 62072 29402 83802 30627 22493 75669 58050 61996 22862  
80287 87436 81767 39684 92604 71012 17000 03125 31086 21491  
44421 78615 74737 44505 55872 73473 25764 06846 95975 09751  
51164 44262 38302 06246 93849 62564 27505 53730 82666 64033  
16778 06360 93362 40133 87192 73823 21145 35765 36296 50789  
26067 24881 46599 36654 43052 79887 64535 66268 08095 14556  
98287 03872 53453 64362                      *Courtesy PLdn*

# XPA2 Mon/Sat

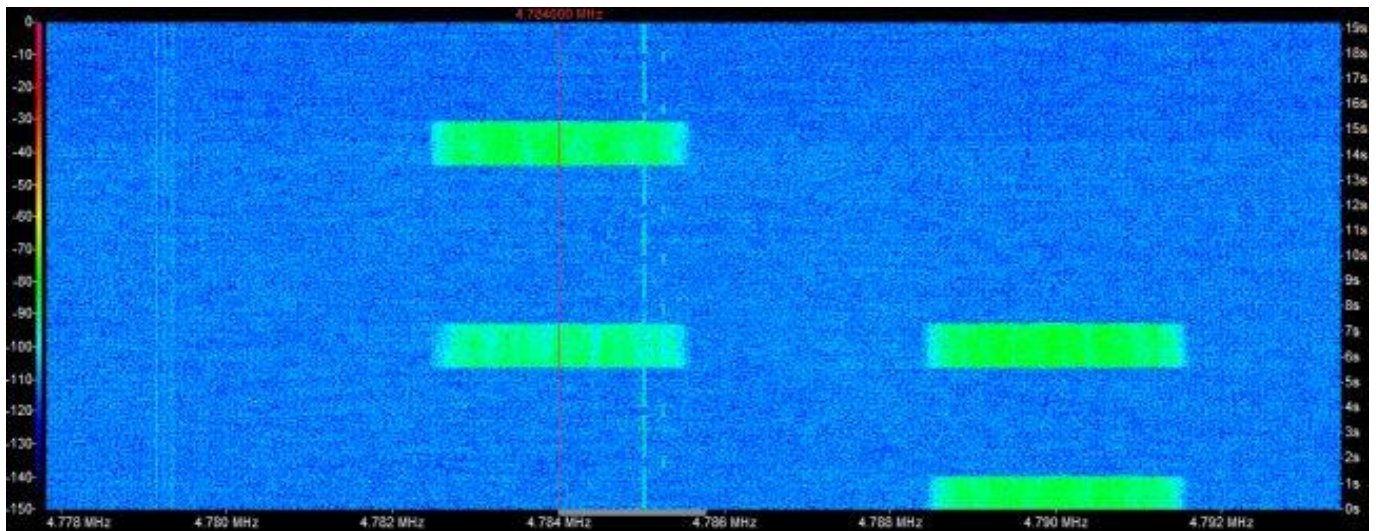
## Monday/Saturday

### November 2025

| 1600z                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 8126kHz                     | 1620z | 6826kHz | 1640z | 5326kHz                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------|---------|-------|----------------------------------|
| 01/11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 03809 00001 00000 ... 41653 |       |         |       | Fair, 1600/1640z QSB3            |
| 03/11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 00884 00098 17260 ... 63607 |       |         |       | Weak [Poor condx lower HF bands] |
| 00884 00098 17260 24744 92471 60248 35614 74713 85953 18369<br>94973 46341 50976 11340 83192 10212 01351 88708 84328 89373<br>66329 17912 75227 11207 97387 81403 82912 00068 89061 64358<br>13439 46288 20327 70754 31368 28585 20950 34709 48707 71183<br>82495 13565 14307 75578 97366 55343 74283 00448 21117 32700<br>77224 38477 33287 66693 79162 89331 45649 97832 73471 16185<br>10474 10493 18450 43647 16555 30838 68962 39608 21776 76215<br>36912 50972 90623 82391 86600 08084 49092 02553 47760 20844<br>38428 88172 44350 73346 94410 48224 06891 03756 78383 83464<br>48859 36549 03130 97985 60489 68846 84671 71751 45317 65982<br>63607 <i>Courtesy PLdn</i>                                                                                                                                                                                                                                                                                                                                                                         |                             |       |         |       |                                  |
| 10/11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 01530 00001 00000 ... 23145 |       |         |       | 1640z Weak, rest Fair            |
| 15/11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 09925 00001 00000 ... 40263 |       |         |       | Weak, 1620z MISSED               |
| 17/11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 08856 00155 77805 ... 44336 |       |         |       | 1600z Fair, rest Weak [4m09s]    |
| 22/11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 08856 00155 77805 ...44336  |       |         |       | 1600z Weak, rest Fair            |
| 08856 00155 77805 63558 99992 60997 89396 42074 05775 47124<br>25787 60510 24332 64329 12873 51229 01126 60762 60264 51196<br>86928 75880 45370 98597 58459 39092 92570 46360 86726 82653<br>56627 31933 81869 41061 89280 12342 99569 84282 10667 81032<br>66294 00299 23997 94327 82411 59836 55598 79414 39574 71573<br>07196 29818 26852 54225 72744 90123 59983 64895 04650 84413<br>34844 04748 44546 39643 75010 02902 29707 39769 16570 63095<br>64697 52093 38076 33208 81622 45090 35652 02824 93026 36822<br>17040 41952 07516 79934 74553 17388 81164 40618 45208 99137<br>15154 83606 02845 99532 97269 33657 55377 79651 31950 20676<br>60849 37584 79861 99460 21854 66152 44991 45245 12729 77983<br>08316 83082 40261 29422 86675 64711 54509 84406 38648 00962<br>54681 69596 05329 97880 32856 99742 87915 48936 82505 29997<br>92096 15774 73961 36500 23461 98899 51451 15003 93293 87680<br>11179 47977 85109 09468 61505 04480 32371 10379 79769 32118<br>58956 41183 89439 81050 76460 63470 39306 44336<br><i>Courtesy PLdn</i> |                             |       |         |       |                                  |
| 24/11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 03487 00001 00000 ... 36663 |       |         |       | Weak, 1620z CWQRM2               |
| 29/11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 06911 00001 00000 ... 36257 |       |         |       | Fair                             |

### December 2025

| 1600z | 6984kHz                     | 1620z | 5884kHz | 1640z | 4784kHz                                |
|-------|-----------------------------|-------|---------|-------|----------------------------------------|
| 01/12 | 04089 00146 31413 ... 22753 |       |         |       | Weak, 1600z QSB3                       |
| 06/12 | 04089 00146 31413 ... 22753 |       |         |       | Fair; 1600z OTHRQRM2, 1640z PULSEQRM 3 |
| 08/12 | 09967 00001 00000 ... 41267 |       |         |       | Weak, 1640z PULSEQRM2                  |
| 13/12 | 03197 00001 00000 ... 35264 |       |         |       | 1640z OTHRQRM5, rest Fair              |



|       |                             |                                                    |
|-------|-----------------------------|----------------------------------------------------|
| 15/12 | 00470 00196 69998 ... 41766 | 1600z Fair, rest Weak. 1640z QRM3; see image above |
| 20/12 | 00470 00196 69998 ... 41776 | 1620z Weak, rest Fair, 1640z OTHRQRM4              |
| 22/12 | NOT MONITORED               |                                                    |
| 27/12 | NOT MONITORED               |                                                    |
| 29/12 | 00758 00064 59648 ... 25042 | 1600z Weak, QSB3/4, rest QRM5                      |

## XPA2 Tue/Fri

Tuesday/Friday

November 2025

| 1100z | 10653kHz                                    | 1120z | 9353kHz | 1140z                                                | 8153kHz |
|-------|---------------------------------------------|-------|---------|------------------------------------------------------|---------|
| 04/11 | 02138 00575 72177 ... 23441                 |       |         | 1140z OTHRQRM5, rest V.Weak                          |         |
| 07/11 | Poor condx, 1100z Unworkable, rest NRH.     |       |         | Was ~9m31s lg message                                |         |
| 11/11 | 1100z Unworkable, rest NRH                  |       |         |                                                      |         |
| 14/10 | 1100z Unworkable, rest NRH                  |       |         |                                                      |         |
| 18/11 | 1140z OTHRQRM5, rest Unworkable             |       |         |                                                      |         |
| 21/11 | 1100z Unworkable, rest NRH. [1140 OTHRQRM5] |       |         |                                                      |         |
| 25/11 | Null Msg                                    |       |         | 1140z OTHRQRM5, rest Unworkable                      |         |
| 28/11 | 08204 00001 00000 10140 [fm Ary]            |       |         | PLdn QTH:1100z Unworkable, rest NRH. [1140 OTHRQRM5] |         |

December 2025

| 1100z | 9265kHz                     | 1120z | 8165kHz | 1140z                                 | 7665kHz |
|-------|-----------------------------|-------|---------|---------------------------------------|---------|
| 02/12 | Full Message                |       |         | 1140z NRH, rest Unworkable            |         |
| 05/12 | Full Message                |       |         | 1140z NRH, rest Unworkable            |         |
| 09/12 | NRH                         |       |         |                                       |         |
| 12/12 | Null message 2m11s duration |       |         | 1100z NRH, rest Unworkable            |         |
| 16/12 | 06276 00396 57432 ... 30430 |       |         | 120z Weak, rest Unworkable [7m12s lg] |         |
| 19/12 | 06276 00396 57432 ... 30430 |       |         | Very weak, readable                   |         |
| 23/12 | NOT MONITORED               |       |         |                                       |         |
| 26/12 | NOT MONITORED               |       |         |                                       |         |
| 30/12 | 03876 00001 00000 ... 10140 |       |         | 1120z Very weak, rest Unworkable      |         |

# Other XPA2 scheds

Tnx H-FD]

Sat 01.11.2025 0900Z 19456 Nov x0910z 15985  
Sat 01.11.2025 0920Z 18371 Nov x0930z 14885  
Sat 01.11.2025 0940Z 17421 Nov x0950z 13885

Mon 03.11.2025 0910Z 19354 msg x17413  
Mon 03.11.2025 0930Z 18551 msg x15852  
Mon 03.11.2025 0950Z 17452 msg x13363

Tue 04.11.2025 1700Z 11158 msg x1600z 10223  
Tue 04.11.2025 1720Z 10294 msg x1620z 9223  
Tue 04.11.2025 1740Z 9193 msg x1640z 8123

Wed 05.11.2025 1100Z 13393 msg  
Wed 05.11.2025 1120Z 12193 msg  
Wed 05.11.2025 1140Z 11093 msg  
Wed 05.11.2025 1200Z 13968 msg  
Wed 05.11.2025 1220Z 15968 msg  
Wed 05.11.2025 1240Z 17468 msg

Mon 01.12.2025 0910Z 18391 msg x13562  
Mon 01.12.2025 0930Z 17431 msg x11573  
Mon 01.12.2025 0950Z 16146 msg x10281

Tue 02.12.2025 1100Z 9265 msg  
Tue 02.12.2025 1120Z 8165 msg  
Tue 02.12.2025 1140Z 7665 msg

Tue 02.12.2025 1700Z 10197 msg x1600z 8184  
Tue 02.12.2025 1720Z 9342 msg x1620z 7684  
Tue 02.12.2025 1740Z 8097 msg x1640z 6784

Wed 03.12.2025 1200Z 14841 msg  
Wed 03.12.2025 1220Z 16241 msg  
Wed 03.12.2025 1240Z 18241 msg

Thu 04.12.2025 0900Z 16279 Dez x0910z 13919  
Thu 04.12.2025 0920Z 15914 msg x0930z 11519  
Thu 04.12.2025 0940Z 14678 msg x0950z 10719

Thu 04.12.2025 1100Z 11579 msg  
Thu 04.12.2025 1120Z 10979 msg  
Thu 04.12.2025 1140Z 10279 msg

Sat 06.12.2025 1600Z 6984 msg  
Sat 06.12.2025 1620Z 5884 msg  
Sat 06.12.2025 1640Z 4784 msg

## F0n Series [From H-FD]

1A F01

Mon 08.12.2025 1015Z 12164 FSK 200/500 6:21  
Mon 08.12.2025 1025Z 10336 FSK 200/500  
Mon 08.12.2025 1035Z 8016 FSK 200/500 via KiwiSDR POL

## P0n Series

1A F01 [H-FD]

Mon 03.11.2025 1015Z 12177 FSK 200/500 6:40 via KiwiSDR RUS  
Mon 03.11.2025 1025Z 10671 FSK 200/500 via KiwiSDR RUS  
Mon 03.11.2025 1035Z 8024 FSK 200/500 via KiwiSDR POL

## Hybrids and Tones

### HM01

No Files submitted, read Editorial

# XPB1 [Tnx H-FD]

Mon 03.11.2025 0600Z 19339 MFSK-16 1:44  
Mon 03.11.2025 0610Z 18239 MFSK-16  
Mon 03.11.2025 0620Z 17439 MFSK-16  
Mon 03.11.2025 0630Z 16339 MFSK-16  
Mon 03.11.2025 0630Z 14439 MFSK-16  
Mon 03.11.2025 0640Z 15839 MFSK-16  
Mon 03.11.2025 1400Z 20987 MFSK-16 3:10  
Mon 03.11.2025 1410Z 19334 MFSK-16  
Mon 03.11.2025 1420Z 18482 MFSK-16  
Mon 03.11.2025 1430Z 15925 MFSK-16  
Mon 03.11.2025 1440Z 14434 MFSK-16  
Mon 03.11.2025 1450Z 13984 MFSK-16  
Mon 03.11.2025 1600Z 20879 MFSK-16 4:12  
Mon 03.11.2025 1610Z 20156 MFSK-16  
Mon 03.11.2025 1620Z 18571 MFSK-16  
Mon 03.11.2025 1630Z 16286 MFSK-16  
Mon 03.11.2025 1640Z 15836 MFSK-16  
Mon 03.11.2025 1650Z 14976 MFSK-16

Tue 04.11.2025 1200Z 17424 MFSK-16 5:14  
Tue 04.11.2025 1210Z 18450 MFSK-16  
Tue 04.11.2025 1220Z 19085 MFSK-16  
Tue 04.11.2025 1230Z 20155 MFSK-16  
Tue 04.11.2025 1240Z 20987 MFSK-16  
Tue 04.11.2025 1250Z 22873 MFSK-16

Tue 04.11.2025 1300Z 20021 MFSK-16 2:16  
Tue 04.11.2025 1310Z 19521 MFSK-16  
Tue 04.11.2025 1320Z 18421 MFSK-16  
Tue 04.11.2025 1330Z 17421 MFSK-16  
Tue 04.11.2025 1340Z 16321 MFSK-16  
Tue 04.11.2025 1350Z 15921 MFSK-16

Wed 05.11.2025 0800Z 16294 MFSK-16 3:50  
Wed 05.11.2025 0810Z 18276 MFSK-16  
Wed 05.11.2025 0820Z 19426 MFSK-16  
Wed 05.11.2025 0830Z 20297 MFSK-16  
Wed 05.11.2025 0840Z 20893 MFSK-16  
Wed 05.11.2025 0850Z 22874 MFSK-16

Thu 06.11.2025 1100Z 16158 MFSK-16 3:11  
Thu 06.11.2025 1110Z 18182 MFSK-16  
Thu 06.11.2025 1120Z 19334 MFSK-16  
Thu 06.11.2025 1130Z 20147 MFSK-16  
Thu 06.11.2025 1140Z 20978 MFSK-16  
Thu 06.11.2025 1150Z 22961 MFSK-16

Thu 06.11.2025 1300Z 22908 MFSK-16 4:30  
Thu 06.11.2025 1310Z 20906 MFSK-16  
Thu 06.11.2025 1320Z 19417 MFSK-16  
Thu 06.11.2025 1330Z 18320 MFSK-16  
Thu 06.11.2025 1340Z 16158 MFSK-16  
Thu 06.11.2025 1350Z 15936 MFSK-16

Thu 06.11.2025 1500Z 20073 MFSK-16 4:30  
Thu 06.11.2025 1510Z 19533 MFSK-16  
Thu 06.11.2025 1520Z 18046 MFSK-16  
Thu 06.11.2025 1530Z 17447 MFSK-16  
Thu 06.11.2025 1540Z 14751 MFSK-16  
Thu 06.11.2025 1550Z 13906 MFSK-16

Fri 07.11.2025 0700Z 17459 MFSK-16 3:55  
Fri 07.11.2025 0710Z 18246 MFSK-16  
Fri 07.11.2025 0720Z 19324 MFSK-16  
Fri 07.11.2025 0730Z 20346 MFSK-16  
Fri 07.11.2025 0740Z 20978 MFSK-16  
Fri 07.11.2025 0750Z 22908 MFSK-16

Fri 07.11.2025 1700Z 19324 MFSK-16 3:35  
Fri 07.11.2025 1710Z 18226 MFSK-16  
Fri 07.11.2025 1720Z 17467 MFSK-16  
Fri 07.11.2025 1730Z 15874 MFSK-16  
Fri 07.11.2025 1740Z 14532 MFSK-16  
Fri 07.11.2025 1750Z 13481 MFSK-16

Fri 07.11.2025 2100Z 13372 MFSK-16 4:44 via KiwiSDR RUS  
Fri 07.11.2025 2110Z 12213 MFSK-16 via KiwiSDR RUS  
Fri 07.11.2025 2120Z 11432 MFSK-16 via KiwiSDR RUS  
Fri 07.11.2025 2130Z 10824 MFSK-16 via KiwiSDR RUS  
Fri 07.11.2025 2140Z 10326 MFSK-16 via KiwiSDR RUS

Mon 01.12.2025 0600Z 19461 MFSK-16 2:17  
Mon 01.12.2025 0610Z 19261 MFSK-16  
Mon 01.12.2025 0620Z 18261 MFSK-16  
Mon 01.12.2025 0630Z 16261 MFSK-16  
Mon 01.12.2025 0640Z 15861 MFSK-16  
Mon 01.12.2025 0650Z 14961 MFSK-16  
Tue 02.12.2025 1300Z 20044 MFSK-16 2:16

Tue 02.12.2025 1310Z 19344 MFSK-16  
Tue 02.12.2025 1320Z 18544 MFSK-16  
Tue 02.12.2025 1330Z 17444 MFSK-16  
Tue 02.12.2025 1340Z 16244 MFSK-16  
Tue 02.12.2025 1350Z 14944 MFSK-16

# X06 Mazielka

## X06 Mazielka (1c) logs section

| Date     | Day | UTC       | Freq  | Scale  | Monitor       | Comments                         |
|----------|-----|-----------|-------|--------|---------------|----------------------------------|
| 20251105 | Wed | 0739-0741 | 15819 | 256341 | Dave/AU       | TX to Beirut, G311               |
| 20251106 | Thu | 1440      | 16132 | 352416 | HFD           | TX to Dar es Salaam, G43         |
| 20251107 | Fri | 0916-0921 | 16219 | 324615 | Ary/NL, Dave  | TX to Madrid, G52                |
| 20251107 | Fri | 1012-1126 | 13547 | 625413 | Ary, SDRUser  | Very long TX to Tel Aviv, G56    |
| 20251109 | Sun | 0916-0919 | 15710 | 261453 | Andrew/SE     | TX to Cairo, G138                |
| 20251110 | Mon | 0931-0936 | 16117 | 463125 | RadiotehnikaT | TX to Rabat, G77                 |
| 20251111 | Tue | 1033-1042 | 20813 | 216354 | Dave          | TX to Chennai, G388              |
| 20251112 | Wed | 1604-1644 | 15651 | 435621 | Rycat         | Alert5 (Maputo, G98) 1: ANSYNC   |
| 20251112 | Wed | 1619-1643 | 20950 | 435621 | Rycat         | 5.2: simulcast                   |
| 20251112 | Wed | 1652-1700 | 14930 | 435621 | Rycat         | 5.3                              |
| 20251112 | Wed | 1701-1703 | 12066 | 435621 | Anon64579     | 5.4                              |
| 20251112 | Wed | 1704-1713 | 15651 | 435621 | Rycat         | 5.5                              |
| 20251113 | Thu | 1331      | 14419 | 521634 | Ary           | TX to Bucharest, G116            |
| 20251114 | Fri | 0930      | 12177 | 356412 | Ary           | TX to Berlin, G126               |
| 20251115 | Sat | 0954      | 18591 | 435621 | Ary           | TX to Maputo, R                  |
| 20251117 | Mon | 0826-0833 | 14377 | 432516 | Ary, Andrew   | Alert2 (TX to Bern, G341) 1      |
| 20251117 | Mon | 0833      | 12152 | 432516 | Ary, Andrew   | 2.2                              |
| 20251117 | Mon | 1527      | 17511 | 641523 | Ary           | TX to Lusaka, G337               |
| 20251119 | Wed | 1548      | 13548 | 214356 | Ary           | TX to Amman, G394                |
| 20251120 | Thu | 1248      | 16276 | 314265 | Ary           | TX to Antananarivo, G178(1)      |
| 20251120 | Thu | 1538      | 16277 | 436512 | Ary           | TX to Harare, G180               |
| 20251124 | Mon | 0801-0803 | 17475 | 156234 | Dave          | TX to Kampala, G203              |
| 20251124 | Mon | 0926      | 16117 | 463125 | Ary           | TX to Rabat, G222                |
| 20251127 | Thu | 0808-0810 | 14419 | 521634 | Ary, SDRUser  | TX to Bucharest, G261            |
| 20251128 | Fri | 0924-0926 | 12177 | 356412 | Dave          | TX to Berlin, G271               |
| 20251128 | Fri | 1015-1031 | 20605 | 256134 | Dave          | TX to Abidjan, G270              |
| 20251202 | Tue | 0755-0759 | 15989 | 125643 | Andrew        | TX to Ulanbatar, G317            |
| 20251204 | Thu | 0809-0816 | 15973 | 162543 | Dave          | TX to Nikosia, G39               |
| 20251204 | Thu | 0925-0927 | 16103 | 645321 | Dave          | TX to Ho Chi Minh City, G410     |
| 20251205 | Fri | 0922      | 14570 | 324615 | Cobalt, Dave  | TX to Madrid, G52                |
| 20251205 | Fri | 1014-1015 | 14824 | 625413 | Dave          | TX to Tel Aviv, G56              |
| 20251208 | Mon | 0808-0812 | 17466 | 156234 | Andrew        | Alert2 (TX to Kampala, G68) 1(2) |
| 20251208 | Mon | 0813-0820 | 14871 | 156234 | Andrew        | 2.2                              |
| 20251210 | Wed | 0748-0750 | 18177 | 164253 | Ary, Dave     | TX to Addis Ababa, G395          |
| 20251012 | Fri | 0926-0931 | 10653 | 356412 | Dave          | TX to Berlin, G126               |
| 20251214 | Sun | 1043      | 15810 | 145632 | Andrew        | TX to Algiers, G135              |
| 20251215 | Mon | 0830-0835 | 14377 | 432516 | Dave          | TX to Bern, G341                 |
| 20251216 | Tue | 0736-0737 | 19874 | 125643 | Dave          | TX to Ulanbatar, G383            |
| 20251216 | Tue | 0835-0838 | 17454 | 325614 | Dave          | TX to Nairobi, G400              |
| 20251216 | Tue | 1702      | 12124 | 246531 | Ary           | TX to Accra, G153                |
| 20251217 | Wed | 1135      | 18280 | 215346 | Ary           | TX to Mumbai, G167               |
| 20251217 | Wed | 1222-1227 | 20374 | 231654 | Dave          | TX to Abuja, G423                |
| 20251219 | Fri | 0759-0802 | 16244 | 6--534 | Ary           | X06b                             |
| 20251219 | Fri | 0809      | 16244 | 6--534 | Ary           | X06b, off after 25 secs          |
| 20251219 | Fri | 0815-0817 | 16241 | 6--1-- | Ary           | X06b                             |
| 20251219 | Fri | 0821-0822 | 16244 | 616161 | Ary           | X06a                             |
| 20251219 | Fri | 0831-0832 | 16241 | 616161 | Ary           | X06a                             |
| 20251221 | Sun | 0726-0729 | 14595 | 452163 | Dave          | TX to Kabul, G403                |
| 20251222 | Mon | 0736-0907 | 16250 | 6---4- | Ary           | Very long X06b test              |
| 20251223 | Tue | 1043      | 20813 | 216354 | Dave          | Alert7 (Chennai, G228) 1(3)      |
| 20251223 | Tue | 1043-1054 | 17470 | 216354 | Ary, Dave     | 7.2                              |
| 20251223 | Tue | 1055-1101 | 14970 | 216354 | Ary, Dave     | 7.3                              |
| 20251223 | Tue | 1104-1111 | 14970 | 216354 | Ary, Linkz/FR | 7.4                              |
| 20251123 | Tue | 1132-1136 | 14675 | 612534 | Ary, Linkz    | TX to Ashgabat, G234             |
| 20251224 | Wed | 0747      | 14655 | 164253 | Ary           | TX to Addis Ababa, G402          |
| 20251224 | Wed | 0847-0853 | 13369 | 412356 | Dave          | TX to Budapest, G243             |
| 20251224 | Wed | 0902-0905 | 14812 | 263145 | Dave          | TX to Prague, G435               |
| 20251224 | Wed | 1157      | 16450 | 1--6-- | Schorschi     | X06b                             |
| 20251226 | Fri | 0742-0745 | 13427 | 341265 | Ary, Andrew   | G444                             |
| 20251226 | Fri | 0916      | 12177 | 356412 | Ary           | TX to Berlin, G271               |
| 20251228 | Sun | 0805-0807 | 16060 | 261453 | Dave          | TX to Cairo, G285                |
| 20251231 | Wed | 0736-0759 | 9326  | 1--6-- | Ary           | X06b test                        |
| 20251231 | Wed | 0905-0908 | 9320  | 1--6-- | Ary           | X06b test                        |
| 20251231 | Wed | 1146-1208 | 12320 | 1----- | Ary           | X06D test (CW)                   |
| 20251231 | Wed | 1208-1216 | 9320  | 1--6-- | Ary           | X06b test                        |
| 20251231 | Wed | 1236-1246 | 12320 | 1----- | Ary           | X06d test (CW)                   |
| 20251231 | Wed | 1313-1331 | 12320 | 1----- | Ary           | X06d test (CW)                   |
| 20251231 | Wed | 1332-1334 | 12320 | 6--1-- | Ary           | X06b test                        |
| 20251231 | Wed | 1417-1443 | 8320  | 1--6-- | Ary           | X06b test                        |

- 1) 1028 and 1455 UTC: M42/MFSK-66
- 2) 0801-0806 UTC: serdo v2
- 3) Start time missing



Many thanks to all contributors for your logs 2025. We will continue our work also in 2026. Best wishes for a happy, healthy and peaceful new year. Till the first edition in 2026 I say as usual: Good-bye, and please stay healthy

Jochen Schäfer, Numbers-, X06 Database and Teamkopf

*[tnx Jochen and Team*

# Chart Section Index

**Predictions**

**M01 Schedule**

**Family III**

**Polytones, XPA1, XPA2**

**M12 Yearly Repeats 2024-2025**

**En152**

**January 2026**

| Mon | Tue | Wed | Thu | Fri | Sat | Sun | UTC                              | wk | Stn  | Fam | Jan<br>kHz, ID, ...                    | Feb<br>kHz, ID, ...                    |
|-----|-----|-----|-----|-----|-----|-----|----------------------------------|----|------|-----|----------------------------------------|----------------------------------------|
| x   |     | x   |     |     |     |     | 0315                             |    | E11  | 03  | 8102<br>25#                            | 8102<br>25#                            |
| x   | x   | x   | x   | x   | x   | x   | 0400                             |    | V13  | 0   | 18040                                  |                                        |
| x   | x   | x   | x   | x   |     |     | 0400/0420                        |    | S06  | 01A | 11616/ 9322<br>480                     | 11616/ 9322<br>480                     |
|     | x   |     | x   |     |     |     | 0445                             |    | S11A | 03  | 11559<br>79#                           | 11559<br>79#                           |
| x   | x   | x   | x   | x   |     |     | 0500/0520                        |    | M14  | 01A | 12211/10243<br>952                     | 12211/10243<br>952                     |
|     | x   |     | x   |     |     |     | 0505                             |    | E11  | 03  | 12153<br>33#                           | 12153<br>33#                           |
| x   |     | x   |     |     |     |     | 0510                             |    | S11A | 03  | 21906<br>65#                           | 21906<br>65#                           |
|     | x   |     |     | x   |     |     | 0530                             |    | M01A | 14  | 9441<br>751                            | 9441<br>751                            |
|     |     | x   | x   |     |     |     | 0530                             |    | M01A | 14  | 9129 or 9192<br>498                    | 9129 or 9192<br>498                    |
|     |     | x   | x   |     |     |     | 0540                             |    | M01A | 14  | 7692<br>536                            | 7692<br>536                            |
| x   |     | x   |     |     |     |     | 0600                             |    | E11  | 03  | 20286<br>94#                           | 20286<br>94#                           |
|     |     |     |     | x   |     | x   | 0600                             |    | E11  | 03  | 7850<br>35#                            | 7850<br>35#                            |
| x   | x   |     |     |     |     |     | 0600/0610/0620<br>0630/0640/0650 |    | XPB1 | 01B | 19343/18243/17443<br>16243/15843/14443 | 19521/19121/18221<br>17421/16321/15821 |
|     | x   |     |     | x   |     |     | 0620                             |    | M01A | 14  | 10233 or 10235<br>354/458              | 10233 or 10235<br>354/458              |
|     |     | x   | x   |     |     |     | 0620                             |    | M01A | 14  | 9421<br>135                            | 9421<br>135                            |
|     | x   |     |     | x   |     |     | 0630                             |    | M01A | 14  | 9447<br>143/796                        | 9447<br>143/796                        |
|     |     | x   | x   |     |     |     | 0630                             |    | M01A | 14  | 8111<br>902/536                        | 8111<br>902/536                        |
| x   |     | x   |     |     |     |     | 0645                             |    | E11  | 03  | 14972<br>41#                           | 14972<br>41#                           |
|     | x   |     | x   |     |     |     | 0645                             |    | E11  | 03  | 7840<br>51#                            | 12385<br>51#                           |
| x   |     |     | x   |     |     |     | 0700                             |    | S11A | 03  | 9050<br>47#                            | 9050<br>47#                            |
|     | x   |     |     | x   |     |     | 0700                             |    | E11  | 03  | 6804<br>57#                            | 6804<br>57#                            |
|     |     |     |     |     | x   | x   | 0700                             |    | E11  | 03  | 5371<br>49#                            | 5371<br>49#                            |
|     |     |     |     |     |     | x   | 0700                             |    | M01  | 01B | 5465<br>197                            | 5465<br>197                            |
|     | x   |     |     | x   |     |     | 0710                             |    | M01A | 14  | 10651<br>297/358                       | 10651<br>297/358                       |
|     |     | x   | x   |     |     |     | 0710                             |    | M01A | 14  | 9175<br>146/208                        | 9175<br>146/208                        |
| x   |     | x   |     |     |     |     | 0715                             |    | E11  | 03  | 20167<br>75#                           | 20167<br>75#                           |
|     | x   |     |     | x   |     |     | 0715                             |    | E11  | 03  | 14975<br>63#                           | 14975<br>63#                           |
|     |     |     |     |     | x   | x   | 0715                             |    | M01  | 14  | 9566<br>475                            | 9566<br>475                            |

| Mon | Tue | Wed | Thu | Fri | Sat | Sun | UTC            | wk | Stn        | Fam | Jan<br>kHz, ID, ...                                | Feb<br>kHz, ID, ...                                |
|-----|-----|-----|-----|-----|-----|-----|----------------|----|------------|-----|----------------------------------------------------|----------------------------------------------------|
|     |     |     | x   | x   |     |     | 0720           |    | E11        | 03  | 8180<br>43#                                        | 8180<br>43#                                        |
|     | x   |     |     | x   |     |     | 0720           |    | M01A       | 14  | 9151<br>728                                        | 9151<br>728                                        |
|     |     | x   |     | x   |     |     | 0725           |    | S11A       | 03  | 23486<br>38#                                       | 23486<br>38#                                       |
|     |     |     |     |     |     | x   | 0730/0800      |    | E06<br>S06 | 01A | 11487/ 9371<br>480                                 | 12093/ 9412<br>480                                 |
| x   |     |     |     |     |     |     | 0745           |    | E11        | 03  | 10213<br>26#                                       | 10213<br>26#                                       |
|     | x   |     | x   |     |     |     | 0745           |    | E11        | 03  | 23031<br>22#                                       | 23031<br>22#                                       |
|     |     | x   |     | x   |     |     | 0745           |    | E11        | 03  | 17378<br>34#                                       | 17378<br>34#                                       |
|     |     | x   |     |     |     |     | 0800/0820/0840 |    | XPA2       | 01B | 11493/13393/13993                                  | 13387/13887/14787                                  |
|     | x   | x   |     |     |     |     | 0820           |    | E11        | 03  | 14611<br>13#                                       | 14611<br>13#                                       |
| x   |     |     |     | x   |     |     | 0830           |    | E11        | 03  | 23353<br>18#                                       | 23353<br>18#                                       |
|     |     |     |     |     | x   | x   | 0830           |    | S11A       | 03  | 5371<br>37#                                        | 5371<br>37#                                        |
| x   |     | x   |     |     |     |     | 0845           |    | E11        | 03  | 12067<br>71#                                       | 12067<br>71#                                       |
|     | x   |     | x   |     |     |     | 0845           |    | E11        | 03  | 17378<br>15#                                       | 17378<br>15#                                       |
| x   |     | x   |     |     |     |     | 0900           |    | E11        | 03  | 15915<br>53#                                       | 15915<br>53#                                       |
|     |     |     | x   |     | x   |     | 0900/0920/0940 |    | XPA2       | 01B | x14794/13994/<br>12194 <b>search</b>               | x16146/15846/<br>14446 <b>search</b>               |
| x   |     | x   |     |     |     |     | 0910/0930/0950 |    | XPA2       | 01B | x14977/13971/<br>13371 <b>search</b>               | x16102/14951/<br>13991 <b>search</b>               |
| x   |     |     |     | x   |     |     | 0915           |    | S11A       | 03  | 6252<br>48#                                        | 6252<br>48#                                        |
|     |     | x   | x   |     |     |     | 0930           |    | E11        | 03  | 7469<br>27#                                        | 7469<br>27#                                        |
| x   | x   | x   | x   | x   | x   | x   | 0930           |    | M14        | 01A | 17458 10.&25.<br>15994 11.&26.<br>when msg         | 17458 10.&25.<br>15994 11.&26.<br>when msg         |
|     |     | x   |     |     |     |     | 0930/1030      |    | S06        | 01A | 11073/10212<br>480                                 | 13547/10463<br>480                                 |
|     | x   |     |     | x   |     |     | 1000           |    | E11        | 03  | 9079<br>30#                                        | 9079<br>30#                                        |
| x   | x   | x   | x   | x   | x   | x   | 1000           |    | V13        | 0   | 19052,20025,20095                                  | 20095                                              |
|     |     |     | x   |     | x   |     | 1000/1020/1040 |    | E07        | 01B | <b>search</b><br>x 1410z 11593/<br>10293/ 9293 916 | <b>search</b><br>x 1410z 13368/<br>12168/11168 745 |
| x   | x   | x   | x   | x   |     |     | 1015/1025/1035 |    | F01        | 01A | 11079/ 9162/ 7509                                  | 12184/10169/ 8079                                  |
| x   |     | x   |     |     |     |     | 1045           |    | E11        | 03  | 14410<br>69#                                       | 14410<br>69#                                       |
| x   | x   | x   | x   | x   | x   | x   | 1100           |    | V13        | 0   | 20025                                              |                                                    |
|     | x   |     |     |     |     |     | 1100/1120/1140 |    | M12        | 01B | 11519/12194/13407<br>289                           | 11519/12194/13407<br>289                           |
|     | x   |     |     | x   |     |     | 1100/1120/1140 |    | XPA2       | 01B | 10231/ 9331/ 8131                                  | 12147/10347/ 9247                                  |
|     |     | x   | x   |     |     |     | 1100/1120/1140 |    | XPA2       | 01B | 13384/12184/10984                                  | 13967/13367/11567                                  |

| Mon | Tue | Wed | Thu | Fri | Sat | Sun | UTC                              | wk  | Stn        | Fam | Jan<br>kHz, ID, ...                       | Feb<br>kHz, ID, ...                       |
|-----|-----|-----|-----|-----|-----|-----|----------------------------------|-----|------------|-----|-------------------------------------------|-------------------------------------------|
|     |     | x   |     | x   |     |     | 1200/1220/1240                   |     | XPA2       | 01B | 13878/14978/16278                         | 14956/16356/17456                         |
|     | x   | x   |     |     |     |     | 1205                             |     | E11        | 03  | 11559<br>46#                              | 11559<br>46#                              |
| x   |     |     | x   |     |     |     | 1300                             |     | E11        | 03  | 4909<br>31#                               | 4909<br>31#                               |
| x   | x   | x   | x   | x   | x   | x   | 1300                             |     | V13        | 0   | 14944                                     |                                           |
|     | x   |     |     | x   |     |     | 1300/1310/1310<br>1330/1340/1350 |     | XPB1       | 01B | 20069/19369/18269<br>17469/16269/15969    | 20035/19235/18335<br>17435/16235/15835    |
|     |     | x   |     | x   |     |     | 1310/1330/1350                   |     | XPA1       | 01B | 14852/13952/11552<br>895                  | 14374/13374/11474<br>334                  |
|     | x   |     |     | x   |     |     | 1400                             |     | S11A       | 03  | 10448<br>42#                              | 10448<br>42#                              |
|     | x   |     |     |     | x   |     | 1430                             |     | E11        | 03  | 13363<br>91#                              | 13363<br>91#                              |
|     |     |     |     |     | x   |     | 1500                             |     | M01        | 14  | 5810<br>197                               | 5810<br>197                               |
|     | x   |     |     | x   |     |     | 1500/1520/1540                   |     | E07        | 01B | 13375/12175/10375<br>313                  | 15858/14458/12158<br>841                  |
|     |     |     | x   |     |     |     | 1530                             |     | E11        | 03  | 5409<br>26#                               | 5409<br>26#                               |
|     |     |     |     |     | x   |     | 1600/1620/1640                   |     | XPA2       | 01B | 9317/ 8117/ 7517                          | 11461/10261/ 9161                         |
|     | x   |     | x   |     |     |     | 1600/1620/1640                   |     | XPA2       | 01B | 10465/ 9165/ 8065<br><b>check, 1700z?</b> | 12173/10373/ 9373<br><b>check, 1700z?</b> |
|     |     |     |     |     | x   |     | 1600/1630                        |     | E06<br>S06 | 01A | 9075/ 6792<br>480                         | 9463/ 6792<br>480                         |
|     | x   |     |     |     |     | x   | 1605                             |     | E11        | 03  | 5432<br>23#                               | 5432<br>23#                               |
|     |     | x   |     |     | x   |     | 1610                             |     | E11        | 03  | 4505<br>39#                               | 4505<br>39#                               |
|     |     |     |     |     | x   | x   | 1645                             |     | E11        | 03  | 4909<br>36#                               | 4909<br>36#                               |
|     | x   |     | x   |     |     |     | 1700/1720/1740                   |     | XPA2       | 01B | <b>search</b>                             | <b>search</b>                             |
|     |     | x   |     | x   |     |     | 1715                             |     | E11        | 03  | 5082<br>97#                               | 5082<br>97#                               |
| x   |     |     |     |     |     | x   | 1745                             |     | E11        | 03  | 12924<br>24#                              | 12924<br>24#                              |
|     | x   |     | x   |     |     |     | 1800                             |     | M01        | 14  | 5320<br>197                               | 5320<br>197                               |
|     |     |     | x   |     |     |     | 1800/1820/1840                   |     | M12        | 01B | 11564/10487/ 9319<br>258                  | 11564/10487/ 9319<br>258                  |
|     |     |     |     | x   |     | x   | 1815                             |     | E11        | 03  | 6849<br>92#                               | 6849<br>92#                               |
|     |     | x   |     |     | x   |     | 1850                             |     | S11A       | 03  | 11486<br>28#                              | 11486<br>28#                              |
| x   |     |     | x   |     |     |     | 1900                             |     | E11        | 03  | 6849<br>64#                               | 6849<br>64#                               |
|     |     | x   |     |     | x   |     | 1900/1920/1940                   |     | M12        | 01B | 12135/11452/10627<br>573                  | 12135/11452/10627<br>573                  |
|     |     |     |     | x   |     |     | 1900/2000                        | 1/3 | S06        | 01A |                                           | 7923/ 5943<br>842                         |
|     |     |     |     | x   |     | x   | 1910                             |     | E11        | 03  | 10487<br>61#                              | 10487<br>61#                              |
|     |     |     | x   |     |     | x   | 2000                             |     | E11        | 03  | 5082<br>52#                               | 5082<br>52#                               |

## M01 FREQUENCY LIST

Frequencies may vary by a few kHz

**JAN FEB NOV DEC**

**M01/1**

**197**

| DAY       | TIME UTC | FREQ kHz |
|-----------|----------|----------|
| TUE / THU | 1800     | 5320     |
| TUE / THU | 2000     | 4490     |
| SAT       | 1500     | 5810     |
| SUN       | 0700     | 5465     |

**MAR APRIL SEPT OCT**

**M01/2**

**463**

| DAY       | TIME UTC | FREQ kHz |
|-----------|----------|----------|
| TUE / THU | 1800     | 5475     |
| TUE / THU | 2000     | 5020     |
| SAT       | 1500     | 6260     |
| SUN       | 0700     | 6510     |

**MAY JUNE JULY AUG**

**M01/3**

**025**

| DAY       | TIME UTC | FREQ kHz |
|-----------|----------|----------|
| TUE / THU | 1800     | 5280     |
| TUE / THU | 2000     | 4905     |
| SAT       | 1500     | 6435     |
| SUN       | 0700     | 6780     |

| Mon | Tue | Wed | Thu | Fri | Sat | Sun | UTC  | wk | Stn  | Fam | Jan<br>kHz, ID, ... | Feb<br>kHz, ID, ... | Nov<br>kHz, ID, ... | Dec<br>kHz, ID, ... | Remarks                                                                   |
|-----|-----|-----|-----|-----|-----|-----|------|----|------|-----|---------------------|---------------------|---------------------|---------------------|---------------------------------------------------------------------------|
| x   |     |     |     |     |     |     | 0315 |    | E11  | 03  | 8102<br>25#         | 8102<br>25#         | <b>8102</b><br>25#  | 8102<br>25#         | since 01/14, last log 12/25                                               |
|     | x   |     | x   |     |     |     | 0445 |    | S11A | 03  | 11559<br>79#        | 11559<br>79#        | 11559<br>79#        | 11559<br>79#        | since 05/22, last log 12/25                                               |
|     | x   |     | x   |     |     |     | 0505 |    | E11  | 03  | 12153<br>33#        | 12153<br>33#        | 12153<br>33#        | 12153<br>33#        | since 10/11, last log 12/25<br>Mar/Apr/Sep/Oct at 1230z, Mai-Aug at 1645z |
| x   |     | x   |     |     |     |     | 0510 |    | S11A | 03  | 21906<br>65#        | 21906<br>65#        | 21906<br>65#        | 21906<br>65#        | since 08/19, last log 12/25                                               |
| x   |     | x   |     |     |     |     | 0600 |    | E11  | 03  | 20286<br>94#        | 20286<br>94#        | <b>20286</b><br>94# | 20286<br>94#        | since 07/17, last log 12/25                                               |
|     |     |     |     | x   |     | x   | 0600 |    | E11  | 03  | 7850<br>35#         | 7850<br>35#         | 7850<br>35#         | 7850<br>35#         | since 04/15, last log 12/25                                               |
| x   |     | x   |     |     |     |     | 0645 |    | E11  | 03  | 14972<br>41#        | 14972<br>41#        | <b>14972</b><br>41# | 14972<br>41#        | since 02/10, last log 12/25                                               |
|     | x   |     | x   |     |     |     | 0645 |    | E11  | 03  | 7840<br>51#         | 12385<br>51#        | 12385<br>51#        | 12385<br>51#        | since 07/09, last log 12/25                                               |
| x   |     |     | x   |     |     |     | 0700 |    | S11A | 03  | 9050<br>47#         | 9050<br>47#         | 9050<br>47#         | 9050<br>47#         | since 04/10, last log 12/25                                               |
|     | x   |     |     | x   |     |     | 0700 |    | E11  | 03  | 6804<br>57#         | 6804<br>57#         | 6804<br>57#         | 6804<br>57#         | since 01/12, last log 12/25                                               |
|     |     |     |     |     | x   | x   | 0700 |    | E11  | 03  | 5371<br>49#         | 5371<br>49#         | 5371<br>49#         | 5371<br>49#         | since 07/15, last log 12/25                                               |
| x   |     | x   |     |     |     |     | 0715 |    | E11  | 03  | 20167<br>75#        | 20167<br>75#        | 20167<br>75#        | 20167<br>75#        | since 06/21, last log 12/25                                               |
|     | x   |     |     | x   |     |     | 0715 |    | E11  | 03  | 14975<br>63#        | 14975<br>63#        | 14975<br>63#        | 14975<br>63#        | since 02/11, last log 12/25                                               |
|     |     |     | x   | x   |     |     | 0720 |    | E11  | 03  | 8180<br>43#         | 8180<br>43#         | 8180<br>43#         | 8180<br>43#         | since 10/09, last log 12/25                                               |
|     |     | x   |     | x   |     |     | 0725 |    | S11A | 03  | 23486<br>38#        | 23486<br>38#        | 23486<br>38#        | 23486<br>38#        | since 05/14, last log 12/25                                               |
| x   |     |     |     |     |     |     | 0745 |    | E11  | 03  | 10213<br>26#        | 10213<br>26#        | 10213<br>26#        | 10213<br>26#        | since 03/14, last log 12/25<br>2nd transmission Thu 1530z                 |
|     | x   |     | x   |     |     |     | 0745 |    | E11  | 03  | 23031<br>22#        | 23031<br>22#        | <b>23031</b><br>22# | 23031<br>22#        | since 01/20, last log 12/25                                               |
|     |     | x   |     | x   |     |     | 0745 |    | E11  | 03  | 17378<br>34#        | 17378<br>34#        | 17378<br>34#        | 17378<br>34#        | since 06/17, last log 12/25                                               |
|     | x   | x   |     |     |     |     | 0820 |    | E11  | 03  | 14611<br>13#        | 14611<br>13#        | 14611<br>13#        | 14611<br>13#        | since 12/18, last log 12/25                                               |
| x   |     |     |     | x   |     |     | 0830 |    | E11  | 03  | 23353<br>18#        | 23353<br>18#        | 23353<br>18#        | 23353<br>18#        | since 07/15, last log 12/25                                               |
|     |     |     |     |     | x   | x   | 0830 |    | S11A | 03  | 5371<br>37#         | 5371<br>37#         | 5371<br>37#         | 5371<br>37#         | since 02/14, last log 12/25                                               |
| x   |     | x   |     |     |     |     | 0845 |    | E11  | 03  | 12067<br>71#        | 12067<br>71#        | 12067<br>71#        | 12067<br>71#        | since 09/10, last log 12/25                                               |
|     | x   |     | x   |     |     |     | 0845 |    | E11  | 03  | 17378<br>15#        | 17378<br>15#        | 13046<br>15#        | 17378<br>15#        | since 07/17, last log 12/25                                               |
| x   |     | x   |     |     |     |     | 0900 |    | E11  | 03  | 15915<br>53#        | 15915<br>53#        | 15915<br>53#        | 15915<br>53#        | since 10/05, last log 12/25                                               |
| x   |     |     |     | x   |     |     | 0915 |    | S11A | 03  | 6252<br>48#         | 6252<br>48#         | 6252<br>48#         | 6252<br>48#         | since 04/19, last log 12/25                                               |
|     |     | x   | x   |     |     |     | 0930 |    | E11  | 03  | 7469<br>27#         | 7469<br>27#         | 7469<br>27#         | 7469<br>27#         | since 02/14, last log 12/25                                               |
|     | x   |     |     | x   |     |     | 1000 |    | E11  | 03  | 9079<br>30#         | 9079<br>30#         | 9079<br>30#         | 9079<br>30#         | since 11/16, last log 12/25                                               |
| x   |     | x   |     |     |     |     | 1045 |    | E11  | 03  | 14410<br>69#        | 14410<br>69#        | 14410<br>69#        | 14410<br>69#        | since 03/18, last log 12/25                                               |
|     | x   | x   |     |     |     |     | 1205 |    | E11  | 03  | 11559<br>46#        | 11559<br>46#        | 11559<br>46#        | 11559<br>46#        | since 03/10, last log 12/25                                               |
|     | x   |     | x   |     |     |     | 1230 |    | E11  | 03  |                     |                     |                     |                     | since 10/11, last log 10/25<br>May-Aug at 1645z, Nov-Feb at 0505z         |
| x   |     |     | x   |     |     |     | 1300 |    | E11  | 03  | 4909<br>31#         | 4909<br>31#         | 4909<br>31#         | 4909<br>31#         | since 07/14, last log 12/25                                               |
|     | x   |     |     | x   |     |     | 1400 |    | S11A | 03  | 10448<br>42#        | 10448<br>42#        | 10448<br>42#        | 10448<br>42#        | since 02/10, last log 12/25                                               |
|     | x   |     |     |     | x   |     | 1430 |    | E11  | 03  | 13363<br>91#        | 13363<br>91#        | 13363<br>91#        | 13363<br>91#        | since 10/15, last log 12/25                                               |
|     |     |     | x   |     |     |     | 1530 |    | E11  | 03  | 5409<br>26#         | 5409<br>26#         | 5409<br>26#         | 5409<br>26#         | since 06/14, last log 12/25<br>2nd transmission Mon 0745z                 |
|     | x   |     |     |     |     | x   | 1605 |    | E11  | 03  | 5432<br>23#         | 5432<br>23#         | 5432<br>23#         | 5432<br>23#         | since 11/15, last log 12/25                                               |
|     |     | x   |     |     | x   |     | 1610 |    | E11  | 03  | 4505<br>39#         | 4505<br>39#         | 4505<br>39#         | 4505<br>39#         | since 02/14, last log 12/25                                               |
|     | x   |     | x   |     |     |     | 1645 |    | E11  | 03  |                     |                     |                     |                     | since 10/11, last log 08/25<br>Mar/Apr/Sep/Oct at 1230z, Nov-Feb at 0505z |
|     |     |     |     |     | x   | x   | 1645 |    | E11  | 03  | 4909<br>36#         | 4909<br>36#         | 4909<br>36#         | 4909<br>36#         | since 03/14, last log 12/25                                               |
|     |     | x   |     | x   |     |     | 1715 |    | E11  | 03  | 5082<br>97#         | 5082<br>97#         | 5082<br>97#         | 5082<br>97#         | since 02/15, last log 12/25                                               |
| x   |     |     |     |     |     | x   | 1745 |    | E11  | 03  | 12924<br>24#        | 12924<br>24#        | 12924<br>24#        | 12924<br>24#        | since 04/18, last log 12/25                                               |
|     |     |     |     | x   |     | x   | 1815 |    | E11  | 03  | 6849<br>92#         | 6849<br>92#         | 6849<br>92#         | 6849<br>92#         | since 05/16, last log 12/25                                               |
|     |     | x   |     |     | x   |     | 1850 |    | S11A | 03  | 11486<br>28#        | 11486<br>28#        | 11486<br>28#        | 11486<br>28#        | since 06/17, last log 12/25                                               |
| x   |     |     | x   |     |     |     | 1900 |    | E11  | 03  | 6849<br>64#         | 6849<br>64#         | 6849<br>64#         | 6849<br>64#         | since 05/16, last log 12/25                                               |
|     |     |     |     | x   |     | x   | 1910 |    | E11  | 03  | 10487<br>61#        | 10487<br>61#        | 10487<br>61#        | 10487<br>61#        | since 04/17, last log 12/25                                               |
|     |     |     | x   |     |     | x   | 2000 |    | E11  | 03  | 5082<br>52#         | 5082<br>52#         | 5082<br>52#         | 5082<br>52#         | since 05/15, last log 12/25                                               |

### XPA1 Wednesday/Friday schedule

| Zulu >     | <b>XPA1 Wed/Fri Schedule</b> |       |       |
|------------|------------------------------|-------|-------|
| Month<br>v | H+10<br>1210 / 1310z         | H+30  | H+50  |
| Jan        | 14852                        | 13952 | 11552 |
| Feb        | 14374                        | 13374 | 11474 |
| Mar        | 14451                        | 13451 | 12151 |
| Apr        | 13368                        | 12168 | 11168 |
| May        | 13419                        | 12219 | 11419 |
| June       | 13545                        | 12145 | 11145 |
| July       | 13368                        | 12168 | 11168 |
| Aug        | 13491                        | 12191 | 10691 |
| Sept       | 12137                        | 11137 | 10237 |
| Oct        | 14564                        | 13564 | 11464 |
| Nov        | 13875                        | 13375 | 10875 |
| Dec        | 13465                        | 12165 | 10265 |

### XPA2 p Schedule [Mon/Wed]

| Zulu >     | <b>XPA2 Sched p</b>                                |       |       |
|------------|----------------------------------------------------|-------|-------|
| Month<br>v | Monday/Wednesday<br>H 00 H+20 H+40<br>0700 / 0800z |       |       |
| Jan        | 11493                                              | 13393 | 13993 |
| Feb        | 13387                                              | 13887 | 14787 |
| Mar        | 13931                                              | 14831 | 16131 |
| Apr        | 11409                                              | 12209 | 13409 |
| May        | 12148                                              | 13448 | 13948 |
| June       | 12148                                              | 13448 | 13948 |
| July       | 12148                                              | 13448 | 13948 |
| Aug        | 12152                                              | 13552 | 13952 |
| Sept       | 12152                                              | 13552 | 13952 |
| Oct        | 13372                                              | 14672 | 15872 |
| Nov        | 11529                                              | 13429 | 13929 |
| Dec        | 11493                                              | 13393 | 13993 |



| Time UTC   |      |      | Freq kHz |       |       | ID   | M | T | W  | T | F | S  | S |
|------------|------|------|----------|-------|-------|------|---|---|----|---|---|----|---|
| <b>Jan</b> |      |      |          |       |       |      |   |   |    |   |   |    |   |
| 0010       | 0030 | 0050 | 16253    | 15953 | 14453 | 294* | X |   |    |   | X |    |   |
| 0300       | 0320 | 0340 | 14673    | 13473 | 12173 | 641* |   | X |    | X |   |    |   |
| 1400       | 1420 | 1440 | 17418    | 16318 | 14918 | 439  | X |   |    | X |   |    |   |
| 1800       | 1820 | 1840 | 11435    | 10598 | 9327  | 938  |   |   |    | X |   |    |   |
| 2000       | 2020 | 2040 | 6782     | 5882  | 5182  | 781  |   |   | X  |   | X |    |   |
| 2200       | 2220 | 2240 | 5778     | 6778  | 8178  | 771  |   |   |    |   | X | X  |   |
| 2300       | 2320 | 2340 | 11079    | 10279 | 9179  | 136  | X |   |    | X |   |    |   |
| 2310       | 2330 | 2350 | 11161    | 10461 | 9261  | 142  |   |   | X  |   |   |    | X |
|            |      |      |          |       |       |      |   |   |    |   |   |    |   |
| <b>Feb</b> |      |      |          |       |       |      |   |   |    |   |   |    |   |
| 0010       | 0030 | 0050 | 17461    | 16161 | 15861 | 418* | X |   |    |   | X |    |   |
| 0300       | 0320 | 0340 | 17437    | 15937 | 14537 | 495* |   | X |    | X |   |    |   |
| 1800       | 1820 | 1840 | 11435    | 10598 | 9327  | 938  |   |   |    | X |   |    |   |
| 2000       | 2020 | 2040 | 7674     | 6874  | 5774  | 687  |   |   | X  |   | X |    |   |
| 2200       | 2220 | 2240 | 5832     | 6832  | 7732  | 887  |   |   |    |   | X | X  |   |
| 2300       | 2320 | 2340 | 9362     | 8062  | 7462  | 451  | X |   |    | X |   |    |   |
| 2310       | 2330 | 2350 | 12137    | 10973 | 10237 | 192  |   |   | X  |   |   |    | X |
|            |      |      |          |       |       |      |   |   |    |   |   |    |   |
| <b>Mar</b> |      |      |          |       |       |      |   |   |    |   |   |    |   |
| 0300       | 0320 | 0340 | 18767    | 17467 | 16267 | 742* |   | X |    | X |   |    |   |
| 1800       | 1820 | 1840 | 11435    | 10598 | 9327  | 938  |   |   |    | X |   |    |   |
| 2000       | 2020 | 2040 | 10238    | 9138  | 7838  | 218  |   |   | X  |   | X |    |   |
| 2200       | 2220 | 2240 | 8126     | 7526  | 6826  | 178  |   |   |    |   | X | X  |   |
| 2300       | 2320 | 2340 | 9157     | 7957  | 6857  | 917  | X |   |    | X |   |    |   |
| 2310       | 2330 | 2350 | 13571    | 12171 | 10871 | 518  |   |   | X  |   |   |    | X |
|            |      |      |          |       |       |      |   |   |    |   |   |    |   |
| <b>Apr</b> |      |      |          |       |       |      |   |   |    |   |   |    |   |
| 0300       | 0320 | 0340 | 18767    | 17467 | 16267 | 742* |   | X |    | X |   |    |   |
| 1900       | 1920 | 1940 | 13564    | 12164 | 11164 | 511  |   |   | X  |   | X |    |   |
| 2000       | 2020 | 2040 | 12139    | 11139 | 10239 | 234  | X |   |    | X |   |    |   |
| 2100       | 2120 | 2140 | 7575     | 8175  | 9175  | 511  |   |   |    |   | X | X  |   |
| 2310       | 2330 | 2350 | 14723    | 13923 | 12223 | 792  |   |   | X  |   |   |    | X |
|            |      |      |          |       |       |      |   |   |    |   |   |    |   |
| <b>May</b> |      |      |          |       |       |      |   |   |    |   |   |    |   |
| 0300       | 0320 | 0340 | 16272    | 14972 | 13972 | 299* |   | X |    | X |   |    |   |
| 1100       | 1120 | 1140 | 11519    | 12194 | 13407 | 289  |   | X |    |   |   |    |   |
| 1900       | 1920 | 1940 | 15936    | 14736 | 13536 | 975  |   |   | X  |   | X |    |   |
| 2000       | 2020 | 2040 | 13926    | 13426 | 11526 | 573  | X |   |    | X |   |    |   |
| 2310       | 2330 | 2350 | 15892    | 14892 | 13992 | 889  |   |   | X  |   |   |    | X |
|            |      |      |          |       |       |      |   |   |    |   |   |    |   |
| <b>Jun</b> |      |      |          |       |       |      |   |   |    |   |   |    |   |
| 1100       | 1120 | 1140 | 11519    | 12194 | 13407 | 289  |   | X |    |   |   |    |   |
| 1900       | 1920 | 1940 | 15823    | 14823 | 13923 | 889  |   |   | X  |   | X |    |   |
| 1900       | 1920 | 1940 | 12162    | 11566 | 10711 | 546  |   |   | XX |   |   | XX |   |
| 2000       | 2020 | 2040 | 13892    | 13392 | 11592 | 119  | X |   |    | X |   |    |   |
| 2310       | 2330 | 2350 | 16342    | 15842 | 14942 | 389  |   |   | X  |   |   |    | X |
|            |      |      |          |       |       |      |   |   |    |   |   |    |   |
|            |      |      |          |       |       |      |   |   |    |   |   |    |   |
|            |      |      |          |       |       |      |   |   |    |   |   |    |   |
|            |      |      |          |       |       |      |   |   |    |   |   |    |   |

\*Asiatic schedules No reception in the UK – Poor in Western Europe

X Sched moved from Saturday to Thursday

XX Sched moved from 1800z Tue to 1900z Wed/Sat

| Time UTC    |      |      | Freq kHz |       |       | ID   | M | T | W  | T | F | S  | S |
|-------------|------|------|----------|-------|-------|------|---|---|----|---|---|----|---|
|             |      |      |          |       |       |      |   |   |    |   |   |    |   |
| <b>July</b> |      |      |          |       |       |      |   |   |    |   |   |    |   |
| 0300        | 0320 | 0340 | 16272    | 14972 | 13972 | 299* |   | X |    | X |   |    |   |
| 1100        | 1120 | 1140 | 11519    | 12194 | 13407 | 289  |   | X |    |   |   |    |   |
| 1900        | 1920 | 1940 | 14968    | 14468 | 13368 | 943  |   |   | X  |   | X |    |   |
| 1900        | 1920 | 1940 | 12162    | 11566 | 10711 | 546  |   |   | XX |   |   | XX |   |
| 2000        | 2020 | 2040 | 12217    | 10817 | 9317  | 617  | X |   |    | X |   |    |   |
| 2310        | 2330 | 2350 | 16158    | 14858 | 14358 | 183  |   |   | X  |   |   |    | X |
|             |      |      |          |       |       |      |   |   |    |   |   |    |   |
| <b>Aug</b>  |      |      |          |       |       |      |   |   |    |   |   |    |   |
| 0300        | 0320 | 0340 | 14975    | 13875 | 13475 | 984* |   | X |    | X |   |    |   |
| 1100        | 1120 | 1140 | 11519    | 12194 | 13407 | 289  |   | X |    |   |   |    |   |
| 1800        | 1820 | 1840 | 11435    | 10598 | 9327  | 938  |   |   |    | X |   |    |   |
| 1900        | 1920 | 1940 | 15931    | 14831 | 13531 | 985  |   |   | X  |   | X |    |   |
| 1900        | 1920 | 1940 | 12162    | 11566 | 10711 | 546  |   |   | XX |   |   | XX |   |
| 2000        | 2020 | 2040 | 12148    | 10648 | 9148  | 374  | X |   |    | X |   |    |   |
| 2310        | 2330 | 2350 | 14408    | 13408 | 12208 | 442  |   |   | X  |   |   |    | X |
|             |      |      |          |       |       |      |   |   |    |   |   |    |   |
| <b>Sep</b>  |      |      |          |       |       |      |   |   |    |   |   |    |   |
| 0300        | 0320 | 0340 | 17437    | 15937 | 14537 | 495* |   | X |    | X |   |    |   |
| 1100        | 1120 | 1140 | 11519    | 12194 | 13407 | 289# |   | X |    |   |   |    |   |
| 1900        | 1920 | 1940 | 13367    | 12167 | 10567 | 315  |   |   | X  |   | X |    |   |
| 2000        | 2020 | 2040 | 11109    | 10309 | 9209  | 385  | X |   |    | X |   |    |   |
| 2310        | 2330 | 2350 | 13368    | 12168 | 11168 | 311  |   |   | X  |   |   |    | X |
|             |      |      |          |       |       |      |   |   |    |   |   |    |   |
| <b>Oct</b>  |      |      |          |       |       |      |   |   |    |   |   |    |   |
| 0300        | 0320 | 0340 | 17437    | 15937 | 14537 | 495* |   | X |    | X |   |    |   |
| 1900        | 1920 | 1940 | 11135    | 10235 | 9235  | 122  |   |   | X  |   | X |    |   |
| 2000        | 2020 | 2040 | 10318    | 9218  | 8118  | 178  | X |   |    | X |   |    |   |
| 2310        | 2330 | 2350 | 12217    | 11517 | 10417 | 254  |   |   | X  |   |   |    | X |
|             |      |      |          |       |       |      |   |   |    |   |   |    |   |
| <b>Nov</b>  |      |      |          |       |       |      |   |   |    |   |   |    |   |
| 0300        | 0320 | 0340 | 16184    | 14784 | 13484 | 174* |   | X |    | X |   |    |   |
| 2300        | 2320 | 2340 | 10446    | 9046  | 7946  | 392  | X |   |    | X |   |    |   |
| 2310        | 2330 | 2350 | 13373    | 12173 | 10273 | 312  |   |   | X  |   |   |    | X |
|             |      |      |          |       |       |      |   |   |    |   |   |    |   |
| <b>Dec</b>  |      |      |          |       |       |      |   |   |    |   |   |    |   |
| 0300        | 0320 | 0340 | 14354    | 12154 | 11154 | 311* |   | X |    | X |   |    |   |
| 2300        | 2320 | 2340 | 9134     | 8134  | 7534  | 457  | X |   |    | X |   |    |   |
| 2310        | 2330 | 2350 | 11129    | 10329 | 9329  | 133  |   |   | X  |   |   |    | X |
|             |      |      |          |       |       |      |   |   |    |   |   |    |   |

\*Asiatic schedules No reception in the UK – Poor in Western Europe

XX Sched moved from 1800z Tue to 1900z Wed/Sat

# Sched changed to new freqs & ID mid-month

Major changes to M12 noted in last three months of 2025, including the loss of many regular schedules.

Thanks to all our contributors: AB, BR, DanAR, dMHz, E, Gert, H-FD, HJH, JanO, Jochen, M8, MG, PLdn, PoSW, RNGB, TomaszC

Apologies to anyone missed.

#### MESSAGES:

**E: E's Newsround was well accepted; so pride of place this time! A very prosperous and HNY to you and yours, thanks you for your valid input. Gd Lk St H!**

#### RELEVANT WEBSITES

ENIGMA 2000 Website:

[www.enigma2000.org](http://www.enigma2000.org)

Frequency Details can be downloaded from:

<http://www.cvni.net/radio/>

Time zone information:

<http://www.timeanddate.com/library/abbreviations/timezones/>

Encyclopedia of Espionage, Intelligence, and Security

<http://www.espionageinfo.com/>

# 2025

| January                                                                                                          | February                                                                                                            | March                                                                                                               |
|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| S M T W T F S<br>1 2 3 4<br>5 6 7 8 9 10 11<br>12 13 14 15 16 17 18<br>19 20 21 22 23 24 25<br>26 27 28 29 30 31 | S M T W T F S<br>1<br>2 3 4 5 6 7 8<br>9 10 11 12 13 14 15<br>16 17 18 19 20 21 22<br>23 24 25 26 27 28             | S M T W T F S<br>1<br>2 3 4 5 6 7 8<br>9 10 11 12 13 14 15<br>16 17 18 19 20 21 22<br>23 24 25 26 27 28 29<br>30 31 |
| April                                                                                                            | May                                                                                                                 | June                                                                                                                |
| S M T W T F S<br>1 2 3 4 5<br>6 7 8 9 10 11 12<br>13 14 15 16 17 18 19<br>20 21 22 23 24 25 26<br>27 28 29 30    | S M T W T F S<br>1 2 3<br>4 5 6 7 8 9 10<br>11 12 13 14 15 16 17<br>18 19 20 21 22 23 24<br>25 26 27 28 29 30 31    | S M T W T F S<br>1 2 3 4 5 6 7<br>8 9 10 11 12 13 14<br>15 16 17 18 19 20 21<br>22 23 24 25 26 27 28<br>29 30       |
| July                                                                                                             | August                                                                                                              | September                                                                                                           |
| S M T W T F S<br>1 2 3 4 5<br>6 7 8 9 10 11 12<br>13 14 15 16 17 18 19<br>20 21 22 23 24 25 26<br>27 28 29 30 31 | S M T W T F S<br>1 2<br>3 4 5 6 7 8 9<br>10 11 12 13 14 15 16<br>17 18 19 20 21 22 23<br>24 25 26 27 28 29 30<br>31 | S M T W T F S<br>1 2 3 4 5 6<br>7 8 9 10 11 12 13<br>14 15 16 17 18 19 20<br>21 22 23 24 25 26 27<br>28 29 30       |
| October                                                                                                          | November                                                                                                            | December                                                                                                            |
| S M T W T F S<br>1 2 3 4<br>5 6 7 8 9 10 11<br>12 13 14 15 16 17 18<br>19 20 21 22 23 24 25<br>26 27 28 29 30 31 | S M T W T F S<br>1<br>2 3 4 5 6 7 8<br>9 10 11 12 13 14 15<br>16 17 18 19 20 21 22<br>23 24 25 26 27 28 29<br>30    | S M T W T F S<br>1 2 3 4 5 6<br>7 8 9 10 11 12 13<br>14 15 16 17 18 19 20<br>21 22 23 24 25 26 27<br>28 29 30 31    |

<https://www.vertex42.com/calendars/2025.html>

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# 2026

| January                                                                                                          | February                                                                                                            | March                                                                                                            |
|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| S M T W T F S<br>1 2 3<br>4 5 6 7 8 9 10<br>11 12 13 14 15 16 17<br>18 19 20 21 22 23 24<br>25 26 27 28 29 30 31 | S M T W T F S<br>1 2 3 4 5 6 7<br>8 9 10 11 12 13 14<br>15 16 17 18 19 20 21<br>22 23 24 25 26 27 28                | S M T W T F S<br>1 2 3 4 5 6 7<br>8 9 10 11 12 13 14<br>15 16 17 18 19 20 21<br>22 23 24 25 26 27 28<br>29 30 31 |
| April                                                                                                            | May                                                                                                                 | June                                                                                                             |
| S M T W T F S<br>1 2 3 4<br>5 6 7 8 9 10 11<br>12 13 14 15 16 17 18<br>19 20 21 22 23 24 25<br>26 27 28 29 30    | S M T W T F S<br>1 2<br>3 4 5 6 7 8 9<br>10 11 12 13 14 15 16<br>17 18 19 20 21 22 23<br>24 25 26 27 28 29 30<br>31 | S M T W T F S<br>1 2 3 4 5 6<br>7 8 9 10 11 12 13<br>14 15 16 17 18 19 20<br>21 22 23 24 25 26 27<br>28 29 30    |
| July                                                                                                             | August                                                                                                              | September                                                                                                        |
| S M T W T F S<br>1 2 3 4<br>5 6 7 8 9 10 11<br>12 13 14 15 16 17 18<br>19 20 21 22 23 24 25<br>26 27 28 29 30 31 | S M T W T F S<br>1<br>2 3 4 5 6 7 8<br>9 10 11 12 13 14 15<br>16 17 18 19 20 21 22<br>23 24 25 26 27 28 29<br>30 31 | S M T W T F S<br>1 2 3 4 5<br>6 7 8 9 10 11 12<br>13 14 15 16 17 18 19<br>20 21 22 23 24 25 26<br>27 28 29 30    |
| October                                                                                                          | November                                                                                                            | December                                                                                                         |
| S M T W T F S<br>1 2 3<br>4 5 6 7 8 9 10<br>11 12 13 14 15 16 17<br>18 19 20 21 22 23 24<br>25 26 27 28 29 30 31 | S M T W T F S<br>1 2 3 4 5 6 7<br>8 9 10 11 12 13 14<br>15 16 17 18 19 20 21<br>22 23 24 25 26 27 28<br>29 30       | S M T W T F S<br>1 2 3 4 5<br>6 7 8 9 10 11 12<br>13 14 15 16 17 18 19<br>20 21 22 23 24 25 26<br>27 28 29 30 31 |

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