

PRODUCTS FOR WORLDWIDE RADIO RECEPTION

January 2026

International radio broadcasts
and professional digital data transmissions
on shortwave

up-to-date data for Kiwi-SDRs • Web-SDRs!

Klingenfuss has the leading

- Frequency guides
- Databases and CDs
- Signal sound CDs
- Frequency list for Perseus SDR
- Screenshots on USB stick
- Internet webpages

The screenshot shows the goMONITOR software interface. The main window displays a decoded text message from an aircraft. The message content is as follows:

Uplink GndId: 01 Aird: 255 FlightId: AIC148

.HKGASCX 051230
AIRCRAFT NAME B-LXN/FLIGHT CX0875
- HI TEAM
LATEST SHEVELUCH/RUSSIA VOLCANIC ASH ADVISORY FY
OPERATIONS NORMAL, THANKS
FVFE01 RJTD 050000
VOLCANIC ASH ADVISORY
DTG: 20251005/0000Z
VAAC: TOKYO
VOLCANO: SHEVELUCH 300270
PSN: N5639 E16122
AREA: RUSSIA
SUMMIT ELEV: 3283M
ADVISORY NR: 2025/187
INFO SOURCE: HIMAWARI-9
AVIATION COLOUR CODE: NIL
ERUPTION DETAILS: VA EMISSIONS CONTINUING
OBS VA DTG: 04/2320Z
OBS VA CLOUD: SFC/FL120 N5647 E16121 - N5625 E16231 - N5548 E16332 -
N5514 E16300 - N5605 E16224 - N5633 E16111 MOV SE 20KT
FCST VA CLOUD +6 HR: 05/0520Z SFC/FL120 N5426 E17036 - N5348 E16934 -
N5640 E16116 - N5654 E16207
FCST VA CLOUD +12 HR: 05/1120Z SFC/FL120 N5652 E16541 - N5309 E17817 -
N5216 E17742 - N5640 E16101 - N5722 E16116
FCST VA CLOUD +18 HR: NO VA EXP
RMK: NIL
NXT ADVISORY: 20251005/0600Z=
BRGDS/FLT TRK

HACARS mode: 2 Aircraft reg: B-326K
Message label: RA Block id: H [Uplink]
Message content:-
EXPECTED PARKING BAY:201.

HACARS mode: 2 Aircraft reg: B-9680
Message label: A9 Block id: N [Uplink]
Message content:-
/SINCAVA.T12/WSSS ARR ATIS P 1700Z
METREPORT 1700Z
1LS APCHRWY 20R
TWY W 8 CLOSED, FOLLOW THE GREENS
TRIAL IN PROGRESS. WHEN VACATING THE
RWY, PILOTS TO ADHERE TO ATC VERBAL
INSTRUCTIONS. WHEN ON TWY, PILOTS TO
ADHERE TO FOLLOW THE GREENS
INSTRUCTIONS.
WIND 050/ 04KT VRB BTN030 AND110
VIS 10KM
CLD FEW 1600FT
T28 DP25
QNH 1012HPA
NOSIG
ACK ATIS P

2025-10-05T19:03:35.388Z
Data Rate: 300bps / Double Slot</text1>
</decoderResult0>
<decoderResult0>
<startTime>2025-10-05T19:03:39.874Z</startTime>
<status/>
<text1>

Klingenfuss Publications Klingenfuss Radio Monitoring

How to order

Full-size sample pages and colour screenshots of all products can be found on www.klingenfuss.org . What's more, we - and nobody else! - upload the latest digital data radio monitoring screenshots with hot frequencies on a regular basis!

The letters in [brackets] represent the abbreviated order symbol for each item. See attached A4-size order form for detailed worldwide shipping costs. We accept payment by Mastercard and Visa credit cards: please give us the credit card number, the expiry date, and the 3-digits of the card verification code that is printed on the back of your credit card. Other modes of payment are cash in EUR bank notes, or low-cost bank transfer via the SEPA system. We do not accept cheques since these today cost 15 EUR exorbitant new bank "service" charge! Dealer or collective order discount rates on request. Please order from

Klingenfuss Publications

Hagenloher Str. 14

D-72070 Tuebingen

Germany

Phone ++49 7071 62830

E-Mail info@klingenfuss.org

Internet www.klingenfuss.org

All books are published in the handy 17 × 24 cm format. This catalogue is available in German as well.

2025/2026 Guide to Utility Radio Stations

New 33rd edition! Plus *Supplement January 2026* with many new frequencies. Latest frequencies used today. Hundreds of fascinating new digital data decoder/SDR screenshots. **Updated continuously via our hot frequencies webpage.** Details see page 7!

2026 Shortwave Frequency Guide

New 30th edition. The most up-to-date worldwide shortwave radio handbook available today. Clearly arranged alphabetical and frequency lists of both broadcast and utility stations. See page 11 for details!

2026 Super Frequency List on CD

New 32nd edition. More than 36,000 entries cover both broadcast and utility stations. Latest transmission schedules for 2026. More than 900 fascinating new decoder screenshots. See page 9 for details!

Digital Data Decoder Screenshots on USB Stick

New edition 2026. More than 29,000 digital data decoder screenshots from 1997 to today. See page 15!

Save with our package deals!

2025/2026 Guide to Utility Radio Stations [G] + 2026 Super Frequency List on CD [R] = **80 EUR**; [G] + 2026 Shortwave Frequency Guide [S] = **90 EUR**; [G] + [R] + [S] = **115 EUR**. More package deals on page 12.

Utility radio stations

The shortwave (SW) band covers frequencies from 3 to 30 MHz and its use is divided amongst various services. Presently, exclusive allocations for the broadcasting and amateur services occupy a total of only 6.0 MHz (22 %) of the SW band - the other 77 % of the SW band is used by professional utility services! These belong to various services, such as the aeronautical, fixed, maritime, mobile, radionavigation, standard frequency service, etc. Several types of stations operate within these services, e.g. diplomatic, humanitarian, meteorological, military, police, point-to-point, press stations, and so on. They use various types of modulation, including digital data and radioteletype (DIG), radiotelephony (ISB, SSB), radiotelegraphy (Morse, CW), facsimile (FAX), etc.

Many of these stations can be received and demodulated with suitable equipment. State-of-the-art software-defined radios (SDRs), **Kiwi-SDRs**, **Web-SDRs** and traditional "general coverage" receivers greatly facilitate the monitoring of utility stations, and are nowadays available for less than EUR / USD 500. Additional equipment such as digital data decoders and personal computers allow quasi-professional reception of modulation types which we had never dreamed of: you may print humanitarian organizations, press services, weather messages, diplomatic traffic, etc. You only need suitable reference books from which you can learn about frequencies, call signs, codes, schedules, etc. This type of listening will become far more fascinating than monitoring amateur or broadcast radio stations.

We monitor utility stations regularly from exotic locations all over the world. Our international radio books have been published for 58 years. Data that goes rapidly out of date such as frequency lists and schedules is updated *annually*. Recent and current events such as the various Near and Middle East Wars, terrorist attacks, and the worldwide missions of humanitarian, Red Cross and UNO forces, have repeatedly confirmed only this method to be acceptable. To monitor such events, you only need your receiving equipment (or use simply a **Kiwi-SDR!**) - and *up-to-date* reference books compiled from real radio monitoring! ☺

References

Jens Seeberg OZ5SY, Denmark - 2 October 2025: "2025 Shortwave Frequency Guide ... 2025/2026 Guide to Utility Radio Stations ... very helpful for me both in my company and as ham operator OZ5SY. I share your professional interest in SW spectrum monitoring ..."

Funkamateur, Germany - February 2025: "2025/2026 Guide to Utility Radio Stations ... Ergänzend zu Unterseekabeln und Satelliten bleibt die Kurzwelle für die unabhängige Übertragung von Informationen unverzichtbar ... Deren Bedeutung nimmt angesichts der aktuellen internationalen Lage zu."

Maurizio Naldi, Italy - 15 January 2025: "2025 Shortwave Frequency Guide ... 2025/2026 Guide to Utility Radio Stations ... devo dire che ne è valsa l'attesa!! Veramente due bei libri, che comincio subito a leggere e consultare!"

Michael Haberer, Germany - 16 December 2024: "2025/2026 Guide to Utility Radio Stations ... Wie immer aktuelle und professionell recherchierte Informationen über Utility-Stations. Vielen Dank an alle Beteiligten für die wirklich aufwändige Erstellung dieses Handbuchs."

Martien van Lieshout, Netherlands - 11 November 2024: "2025/2026 Guide to Utility Radio Stations ... Klingenfuss Publications are always a perfect reference to me."

Eric Bodin F4FJP, France - 16 June 2024: "2024 Shortwave Frequency Guide ... 2023/2024 Guide to Utility Radio Stations ... 2024 Super Frequency List on CD ... Thank you for your speed and for the work that went into making these books and CDs."

Blazej Muraszko M0CFV, United Kingdom - 8 April 2024: "2024 Shortwave Frequency Guide ... 2023/2024 Guide to Utility Radio Stations ... Keep on doing what you are doing for the radio enthusiast!"

Fred Osterman N8EKU, Universal Radio Inc., United States of America - 2 January 2024: "2024 Shortwave Frequency Guide ... 2023/2024 Guide to Utility Radio Stations ... It is a blessing that you still produce these wonderful books after so many decades."

Sandipan Basu Mallick VU3JXD, Indian DX Club International, Kolkata, India - 28 December 2023: "Few months back our veteran member Dr. Swapan Chowdhury, who currently resides in Australia, paid a visit to Kolkata ... In a gathering of club members, all had a glimpse of 'Shortwave Frequency Guide' and 'Guide to Utility Radio Stations'. Contents and quality is found to be quite superior from the legacy radio handbook."

Wim Decoster ON4AM, Belgium - 19 December 2023: "2023/2024 Guide to Utility Radio Stations ... 2024 Super Frequency List on CD ... your guide and CD are really great! Go on."

Stewart Winston, Australia - 6 May 2023: "2023 Shortwave Frequency Guide ... 2023/2024 Guide to Utility Radio Stations ... 2023 Super Frequency List on CD ... the last time I ordered books from you was in 1982. Thought it time to update to the latest. Looking forward to receiving them and getting as much out of the new ones as I did the others."

Albino Raffaele Cimino, Italy - 15 February 2023: "2023/2024 Guide to Utility Radio Stations ... Sono anni che aggrano le mie pubblicazioni radio e nella vostra ho sempre trovato un ottimo punto di riferimento. Grazie."

2025/26 GUIDE TO UTILITY RADIO STATIONS

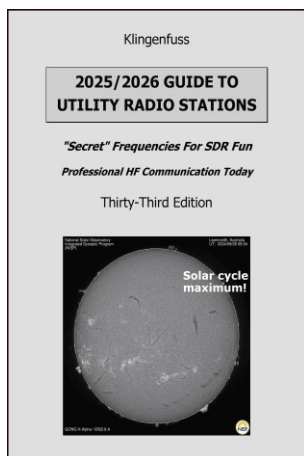
Professional HF Communication Today

33rd edition · January 2025 · 550 pages

[G] EUR 55.-

ISBN 978-3-941040-25-0

Our bestseller - for 47 years! *The* standard international reference book for the really fascinating radio services on shortwave: aero, diplo, International Red Cross, maritime, meteo, military, non-governmental organizations, police, press, telecom, terrorists, and United Nations. Political and military conflicts in the hellholes of this world, in Africa, Asia, and elsewhere are perfectly covered. The *Utility Radio Guide* is the ideal companion to the new *Shortwave Frequency Guide* (see page 11) for the "special" stations on shortwave!



8,800 frequencies monitored in 2024 with call sign, station name, ITU symbol, type(s) of modulation and corresponding return frequency, or times of reception and details. **Plus Supplement January 2026 with many new frequencies from 2025!** A handy index lists 500 stations in 250 countries for rapid access.

Covers the complete shortwave range from 3 to 30 MHz, plus the adjacent frequency bands from 0 to 150 kHz and from 1.6 to 3 MHz. Includes details on all types of professional utility radio stations including sophisticated digital data protocols and advanced teleprinter systems. Includes 260 fascinating new screenshots from the world leaders in digital data and teleprinter systems monitoring and decoding.

Meteorological radiofax and radiotelex stations. Worldwide NAVTEX schedules of navigational and meteorological warnings on 424 428.6 486 490 518 kHz. International call sign series. NATO Routing Indicator system. Name and traffic abbreviations and signals. Q-code groups. Phonetic alphabet and figure code. SINPO and SINPFEMO codes. Designation of emissions. Classes of stations. Terms and definitions. Aeronautical and Maritime Mobile Service frequency allocation plans.

References

Zakir Hamdi, Malaysia - 30 July 2025: "2025 Super Frequency List on CD ... 1997-2025 Digital Data Decoder Screenshots USB Stick ... Great pleasure to get in touch with you back, after so many years."

Georg Wiessala, ex Editor of *Radio User*, United Kingdom, in *The Spectrum Monitor*, United States of America - February 2025; and in *Practical Wireless*, United Kingdom - March 2025: "2025 Super Frequency List on CD ... A wealth of international HF radio resources at a glance ... This CD is a joy to explore and use."

Brian Burt MM0GLX, Station Manager, Radio Monitoring Station, Greenock, Scotland, United Kingdom - 15 December 2024: "2025 Super Frequency List on CD ... Thank you for your products. Keep up the good work."

Michael J. Marcus KG7M, United States of America - 8 December 2024: "2025 Shortwave Frequency Guide ... 2025 Super Frequency List on CD ... thank you for keeping such a great publication going for so many years!"

Daniele Cristaldini IK2XRO, Italy - 22 February 2024: "2024 Shortwave Frequency Guide ... 2024 Super Frequency List on CD ... Grazie per l'ottimo lavoro in questi decenni. Continuate così!!"

David Harris in *Practical Wireless*, United Kingdom - April 2023: "2023 Shortwave Frequency Guide ... 2023/2024 Guide to Utility Radio Stations ... 2023 Super Frequency List on CD ... Whichever Klingenfuss publication you choose they will provide a unique gateway to exploring the full SW spectrum."

Matthias Zapatka AJ4BB DL6ZM DU3ZM, Germany - 23 December 2022: "2023 Shortwave Frequency Guide ... 2023 Super Frequency List on CD ... wie immer sehr gut verpackt und wurde sehr schnell verschickt. Als beruflich Vielreisender kommt die digitale 2023 Klingenfuss Frequenzliste nun auf den Laptop, um abends nach Dienstschluss von verschiedenen QTH's mit einem SDR oder dem Kenwood TH-D74 auf Sendersuche zu gehen. Hoffe die Bücher und CD's werden noch viele weitere Jahre produziert. Bin sehr zufrieden."

Tom P Martens, United States of America - 19 December 2022: "2023 Super Frequency List on CD ... I have heard about the Klingenfuss Frequency List for decades and am excited to get a copy ..."

David J Riggins, United States of America - 18 December 2022: "2023 Super Frequency List on CD ... I had bought your CD before and it was excellent material and information in addition to being extremely accurate."

Gary Zeigler, United States of America - 12 December 2022: "2023 Shortwave Frequency Guide ... 2023/2024 Guide to Utility Radio Stations ... 2023 Super Frequency List on CD ... BC.XLS broadcast radio stations database ... UT.XLS utility radio stations database ... thanks again for a great set of products."

Carlos Fernando Gállego Paz EA3AIG, Spain - 8 December 2022: "2023 Super Frequency List on CD ... This is the third year that I have purchased from you. I am very satisfied with your product, and I will continue to buy it every year."

2026 SUPER FREQUENCY LIST ON CD

32nd edition · January 2026

[R] EUR 35.-

| Freq. | Station | TxSite | Ctry. | Time | Language | Target | Remarks |
|--------|---------------------------|---------------------|-------|-------------|----------|-----------|-------------------|
| 3310.0 | Radio Mosoj Chaski | Cotapachi | BOL | 01.00-01.30 | Oa | dom | Sat Sun |
| 3310.0 | Radio Mosoj Chaski | Cotapachi | BOL | 09.00-13.00 | Oa | dom | |
| 3310.0 | Radio Mosoj Chaski | Cotapachi | BOL | 21.00-01.00 | Oa | dom | |
| 3325.0 | Voice of Indonesia | Palangkaraya | INS | 10.00-11.00 | En | As Pa | |
| 3325.0 | Voice of Indonesia | Palangkaraya | INS | 11.00-12.00 | Mn | As Pa | |
| 3325.0 | Voice of Indonesia | Palangkaraya | INS | 12.00-13.00 | Ja | As Pa | |
| 3325.0 | Voice of Indonesia | Palangkaraya | INS | 13.00-14.00 | En | As Pa | |
| 3325.0 | Voice of Indonesia | Palangkaraya | INS | 14.00-15.00 | In | As Pa | |
| 3325.0 | Voice of Indonesia | Palangkaraya | INS | 15.00-16.00 | Mn | As Pa | |
| 3325.0 | Voice of Indonesia | Palangkaraya | INS | 16.00-17.00 | Ar | As Pa | |
| 3325.0 | Voice of Indonesia | Palangkaraya | INS | 17.00-18.00 | Sp | As Pa | |
| 3325.0 | Voice of Indonesia | Palangkaraya | INS | 18.00-19.00 | Ge | As Pa | |
| 3325.0 | Voice of Indonesia | Palangkaraya | INS | 19.00-20.00 | Du | As Pa | |
| 3325.0 | Voice of Indonesia | Palangkaraya | INS | 20.00-21.00 | Fr | As Pa | |
| 3325.0 | Voice of Indonesia | Palangkaraya | INS | 21.00-22.00 | En | As Pa | |
| 3365.0 | R. Cultura | Araraquara | BRA | 21.00-02.00 | Po | dom | |
| 3480.0 | Voice of the People | Goyang | KOR | 03.00-23.00 | Kr | clan: KRE | |
| 3900.0 | Hulunbeier PBS | Hailar (Nei Menggu) | CHN | 02.10-07.00 | Mn | dom | not Tuesday |
| 3900.0 | Hulunbeier PBS | Hailar (Nei Menggu) | CHN | 09.00-14.40 | Mn | dom | |
| 3900.0 | Hulunbeier PBS | Hailar (Nei Menggu) | CHN | 21.30-02.10 | Mn | dom | |
| 3910.0 | Voice of the People | Goyang | KOR | 03.00-23.00 | Kr | clan: KRE | |
| 3925.0 | Nikkei Radio 1 | Nemuro | JAP | 07.50-15.00 | Ja | dom | |
| 3925.0 | Nikkei Radio 1 | Nemuro | JAP | 22.15-23.00 | Ja | dom | |
| 3930.0 | Voice of the People | Goyang | KOR | 07.00-03.00 | Kr | clan: KRE | |
| 3940.0 | Pan American Broadcasting | Issoudun | FFR | 19.00-21.00 | En | Eu | Sunday all freq |
| 3945.0 | Echo of Unification | Chongjin | KRE | 04.00-06.00 | Kr | clan: KOR | |
| 3945.0 | R. Vanuatu | Emten Lagoon | VUT | 06.59-11.05 | En Fr Bz | dom | |
| 3945.0 | R. Vanuatu | Emten Lagoon | VUT | 18.30-19.58 | En Fr Bz | dom | |
| 3950.0 | Xinjiang PBS | Urumqi | CHN | 12.05-18.00 | Mn | dom | |
| 3950.0 | Xinjiang PBS | Urumqi | CHN | 23.30-03.00 | Mn | dom | |
| 3955.0 | BBC World Service | Woolferton | GBR | 05.59-07.00 | En | Eu | DRM |
| 3955.0 | Channel 292 | Rohrbach | GER | 07.00-20.00 | Ge En Du | Eu | |
| 3955.0 | Pop Shop Radio | Rohrbach | GER | 17.00-18.00 | En | Eu | Wednesday |
| 3955.0 | Encore - Tumblr Radio | Rohrbach | GER | 18.00-19.00 | En | Eu | Sunday |
| 3955.0 | Radio DARC | Rohrbach | GER | 19.00-20.00 | Ge | Eu | |
| 3955.0 | Radio Korea International | Woolferton | GBR | 20.00-21.00 | Ge | Eu | |
| 3955.0 | Radio Korea International | Woolferton | GBR | 21.00-22.00 | Fr | Eu | |
| 3955.0 | Channel 292 | Rohrbach | GER | 22.00-05.59 | Ge En Du | Eu | |
| 3955.0 | Tilford Productions | Rohrbach | GER | 22.00-23.00 | En | Eu | 2nd/3rd Sat/month |
| 3955.0 | Pop Shop Radio | Rohrbach | GER | 23.00-24.00 | En | Eu | Saturday |
| 3955.0 | Korean Central B. Station | Kanggye | KRE | 20.00-17.57 | Kr | dom | |
| 3975.0 | Shortwave Gold | Winsen/A. | GER | 07.58-15.00 | En Ge It | Eu | further planning |
| 3975.0 | Shortwave Gold | Winsen/A. | GER | 15.00-01.00 | En Ge It | Eu | |

Our databases cover: 3,109 entries with latest schedules of all clandestine, domestic and international broadcasting services on shortwave, compiled by top experts in this field. 8,704 special frequencies from our international bestseller *2025/2026 Guide to Utility Radio Stations* and updated with *Supplement January 2026* (see page 7). Plus 920 abbreviations and 24,287 formerly active frequencies - all on one CD for PCs with Windows™. Not only can you browse through all that data in milliseconds, but you can search in next to no time - even combined! - for specific frequencies, countries, stations, languages, call signs, and times as well. It can't get faster than this! Includes additionally **more than 900 fascinating new screenshots of digital data decoders, SDRs, Kiwi-SDRs, and Web-SDRs**. This unequalled product is based on 58 years of experience in the radio monitoring and publishing field. *Klingenfuss Publications*: the difference between jumping on the bandwagon - and *driving it!*

References

John Pitchford KX4QC, United States of America - 29 March 2025: "2025 Shortwave Frequency Guide ... 2025/2026 Guide to Utility Radio Stations ... Returning customer. Excellent products."

John F Stewart, United Kingdom - 2 February 2025: "2025 Shortwave Frequency Guide ... 2025 Super Frequency List on CD ... still the most informative and still the best all round for quality and content, and yes to still the best size for this type of reference book."

Robert Rose, United States of America - 31 December 2024: "2025 Shortwave Frequency Guide ... 2025/2026 Guide to Utility Radio Stations ... Really nice products. Very well done. Can imagine how many hours have gone into it. Will be ordering other products in 2025."

Gary G Schinski, United States of America - 9 December 2024: "2025 Shortwave Frequency Guide ... Keep up the good work."

Wolfgang Büschel DF5SX, Germany - 8 December 2024: "2025 Shortwave Frequency Guide ... 2025 Super Frequency List on CD ... Großen Dank für ... die kontinuierliche Produktion in gewohnt akkurater Weise ..."

Stephen Williams MW7NEF, United Kingdom - 3 May 2024: "2024 Shortwave Frequency Guide ... on first inspection it looks great, packed with information, I can see that a large amount of work has been put into it."

Harald Kuhl DL1AX, Buchbesprechungen editor of *Radio-Kurier Weltweit Hören*, Germany - February 2024: "2024 Shortwave Frequency Guide ... ist weiterhin das einzige gedruckte Frequenzwerk, das sich mit den beiden wichtigsten Nutzern des Kurzwellenspektrums befasst: den professionellen Funkdiensten und den Hörfunkstationen ..."

Raven Redbird, *HF Underground* - 20 January 2024: "2024 Shortwave Frequency Guide ... pricey but worth it. Sorry W_ ... but I like the fact this publication includes both BC and utility frequencies for easy reference."

Ky Vargas KY5VAR, United States of America - 29 and 12 December 2023: "2024 Shortwave Frequency Guide ... I have been tracking broadcasts for hours and your book makes it so much fun. Great job! - I'm so excited to have a REAL no power needed compendium for SW + beyond. I can't wait to show off your manual to the Tulsa Amateur Radio Club."

Lev Lytovchenko, Canada - 22 December 2023: "I just received ... 2024 Shortwave Frequency Guide ... The consistency of the book is exactly what I would like to wish. Great!"

Alfredo Gallerati IK7JGI in Associazione Radioamatori Italiani's *Radio Rivista*, Italy - April 2023: "... la conosciuta compagna di viaggio dei più appassionati DXer del mondo: la 2023 Shortwave Frequency Guide ... voglio pubblicamente ringraziare perché tiene puntualmente aggiornate le informazioni sulle stazioni di tutto il pianeta ..."

Peter Eppich, Germany - 16 December 2022: "2023 Shortwave Frequency Guide ... 2023/2024 Guide to Utility Radio Stations ... TOP! Danke. Ich bin in mehrfacher Hinsicht begeistert ..."

Marco Paglionico IN3UFW, Italy - 11 January 2022: "2022 Shortwave Frequency Guide ... sono molto contento che almeno voi possiate continuare a stampare per noi SWL. A breve vi ordinerò altre copie che conservo con parsimonia."

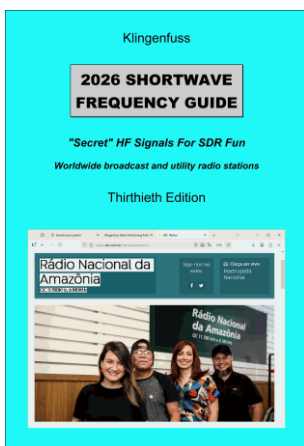
2026 SHORTWAVE FREQUENCY GUIDE

30th edition · January 2026 · 360 pages

[S] EUR 45.-

ISBN 978-3-941040-76-2

Definitely the best worldwide shortwave radio handbook available today. Unlike traditional publications in this field, it is really user-friendly, clearly arranged, and up-to-date! Covers the latest 2026 schedules of all clandestine, domestic, and international broadcast stations worldwide from our 2026 SUPER FREQUENCY LIST ON CD (see page 9), compiled by a team of top experts. Features a gigantic frequency list with more than 3,100 entries, and a superb alphabetical list of stations as well. Another 8,700 entries cover all professional utility stations worldwide from our international bestseller *2025/2026 Guide to Utility Radio Stations* and updated with Supplement January 2026 (see page 7). Includes a solid introduction to real shortwave radio monitoring. Covers the DRM digital modulation broadcast technique as well. Samples for the application of state-of-the-art technology such as software-defined radios (SDR) and sophisticated digital data analyzers/decoders, as well as **Internet receivers (Kiwi-SDR and Web-SDR)**. Sample pages can be viewed on our webpage www.klingenfuss.org. Two handbooks in one - at a sensational low price!



PACKAGE PRICE for the SUPER FREQUENCY LIST ON CD and the SHORTWAVE FREQUENCY GUIDE (pages 9 and 11)

[K3] EUR 70.-

PACKAGE PRICE for the book on page 7, plus the two MODULATION TYPES AUDIO CD SETS 1 and 2 (total 4 CDs) on page 13

[K7] EUR 160.-

PACKAGE PRICE for the 2026 FREQUENCY DATABASE FOR THE PERSEUS LF-MF-HF SDR and the SUPER FREQUENCY LIST ON CD (pages 9 and 14)

[K6] EUR 75.-

PACKAGE PRICE for MODULATION TYPES SET 1 and SET 2 ordered together (total 4 CDs)

[K5] EUR 110.-

BC2026.XLS BROADCAST DATABASE

[BC] EUR 100.-

For professional customers, our broadcast frequency database (~ 3100 entries) is available as a standard *.xls* file for open access.

UT2026.XLS UTILITY DATABASE

[UT] EUR 200.-

For professional customers, our utility frequency database (~ 8,700 entries) is available as a standard *.xls* file for open access.

CD MODULATION TYPE RECORDINGS - SET 1

[M 1] EUR 60.-

This double CD contains examples of various radiocommunication systems recorded by a professional monitoring service in Europe. Two CDs cover a total of 2½ hours and allow rapid access to the typical sounds of all conventional and exotic VLF·LF·MF·HF·VHF·UHF·SHF transmission modes. Connect your audio CD player or multi-media PC to state-of-the-art decoding hard- and software and practice tuning these modes. Synchronization is perfect due to the digital recording technique!

71 different recordings cover speech, Morse, fax, teleprinter and digital data systems such as ACARS, ALIS, Arabic, ARQ-E, ARQ-E3, ARQ-M, ARQ-N, ARQ6, ASCII, ATU-Arabic, AUTOSPEC, bit inversion, CIS, Cyrillic and third-shift Cyrillic, DUP-ARQ, FEC-A, GOLAY, HC-ARQ, HNG-FEC, IRA, ITA2, MCVFT, MFSK, NATO Link, Packet Radio, PACTOR, Piccolo, POCSAG, POL-ARQ, QAM, RUM-FEC, SI-ARQ, SI-FEC, SITOR, SPREAD, SWED-ARQ and TWINPLEX. The various recordings are listed separately.

CD MODULATION TYPE RECORDINGS - SET 2

[M 2] *(as above)*

123 more recordings on another two CDs. ACARS-HF, ALF, ALIS-2, ARS-GUARD, ASCII-BUL, ASCII-Slovak, ATIS, AWACS-NATO, BR-6028, CALSEL, 5 CIS systems, Clover-Marine, Clover-2, Coquelet-13 and -80, DataTAC 6000, DATATRAK, DGPS-GB and -I and -NL, DTMF, DUP-FEC-2, EATS, EFR, ERMES, FAF FAX, Feldhell, Fleet-Broadcast, FMS-BOS, GAF-FEC, GN-FEC, G-TOR, various HamFax and SSTV systems, HARRIS RF-5710, HF-Datalink, HYPER-FIX, Joint STARS, KFF-58, LORAN-C, MODACOM, MOI-I, MPTI 1327/1343, NATO Tone-Call, NMT450, NMT900, Packet Radio, PACTOR-1-2, -1-4, -1-6, PACTOR-2, Pager, PSK31, RAC-ARQ, RADAR ATC/Interrogator/Transponder, Ripple Control, 15 SELCAL systems, T-PLEX, TMS-430, TRACK-BACK, TT2300, TWINPLEX, 11 voice encryption systems, and much more.

2026 FREQUENCY DATABASE FOR THE PERSEUS LF-MF-HF SOFTWARE-DEFINED RECEIVER

[P] EUR 50.-

Ready-to-use specially formatted individual *USERLIST.TXT* file with our latest 2026 frequency data. Total ~ 11,800 entries. The only database that includes both broadcast and professional utility radio stations worldwide!

| | | | |
|---------|-----------|---------------------------------|--------|
| 15785 | 1600-1645 | USA Family Radio (WYFR) Okee Ar | Eu |
| 15790 | 1030-1130 | CYP BBC World Service Zygi Pt | As |
| 15790 | 0900-0930 | UAE BBC World Service Dhabay Pt | As |
| 15790 | 0500-0600 | OMA BBC World Service A'Seel Ar | Me |
| 15790 | 0600-0800 | CYP BBC World Service Zygi Ar | Me |
| 15790 | 1400-1600 | CYP BBC World Service Zygi Ar | Me |
| 15790 | 0830-0900 | CYP BBC World Service Zygi Dr | Me |
| 15795 | 1145-1315 | IND All India Radio Bengalur Mn | As |
| 15800 | 0700-1100 | EGY Egyptian RTV Union Abu Z Ar | Af |
| 15812 | 0000-2359 | RUS CISN Vaygach | CW |
| 15825 | 1200-2100 | USA Worldwide Christian R. | En Eu |
| 15825 | 1100-2100 | USA Worldwide Christian R. | En Eu |
| 15858 | 0000-2359 | AUS ADF Lyndoch, SA | DIG |
| 15867 | 0000-2359 | USA USCG Portsmouth, VA | DIG |
| 15867 | 0000-2359 | USA USCG San Francisco, CA | DIG |
| 15867 | 0000-2359 | BAH DEA Nassau | SSB |
| 15890.5 | 0000-2359 | AUS RADTEL Alice Springs, NT | SSB |
| 15890.5 | 0000-2359 | AUS RADTEL Newcastle, NSW | SSB |
| 15890.5 | 0000-2359 | AUS RADTEL Perth, WA | SSB |
| 15896 | 0000-2359 | GER biteXpress Erlangen | Ge dom |
| 15907.2 | 0000-2359 | IRN Al-Qaeda Tehran | DIG |
| 15917 | 0000-2359 | RUS Indian E Moscow | DIG |
| 15920 | 0000-2359 | CAN CF Halifax, NS | DIG |
| 15932 | 0000-2359 | BRA BN Natal | DIG |
| 15932 | 0000-2359 | BRA BN Rio Grande | DIG |
| 15932 | 0000-2359 | BRA BN Rio de Janeiro | DIG |
| 15932 | 0000-2359 | BRA BN Salvador | DIG |
| 15932 | 0000-2359 | BRA BN Fortaleza | DIG |
| 15932 | 0000-2359 | BRA BN Belem | DIG |
| 15962 | 0000-2359 | AUS ADF Lyndoch, SA | SSB |
| 15968 | 0000-2359 | AUS RADTEL Alice Springs, NT | SSB |
| 15986 | 0000-2359 | AUS BCON Newton, SA | DIG |
| 15986 | 0000-2359 | AUS BCON Cowra, NSW | DIG |

References

Valentino Zardi, United States of America - 11 December 2024: "2025 Shortwave Frequency Guide ... 2025 Super Frequency List on CD ... 2025 Frequency Database for the Perseus Receiver ... Grazie a Lei per splendide pubblicazioni che mette a disposizione del pubblico."

Christophe Vrizet, France - 17 December 2021: "2022 Super Frequency List on CD ... 2022 Frequency Database for the Perseus Receiver ... It's perfect! Thank you for this wonderful wealth of information."

John Palmer M0LCD, United Kingdom - 5 April 2018: "2018 Frequency Database for the Perseus Receiver ... I am most grateful and your service is the best I have ever had. I have used your books and CD's over the last 20 years. I have still got the books from way back in 1999. In those days I purchased them from the RSGB bookshop. I have used other books on the same subject, but never as good as yours. I will be ordering other titles in the next few days. Again many thanks for your first class service."

DIGITAL DATA DECODER SCREENSHOTS ON USB STICK

Analysis · Classification · Decoding · Display

30th edition · January 2026

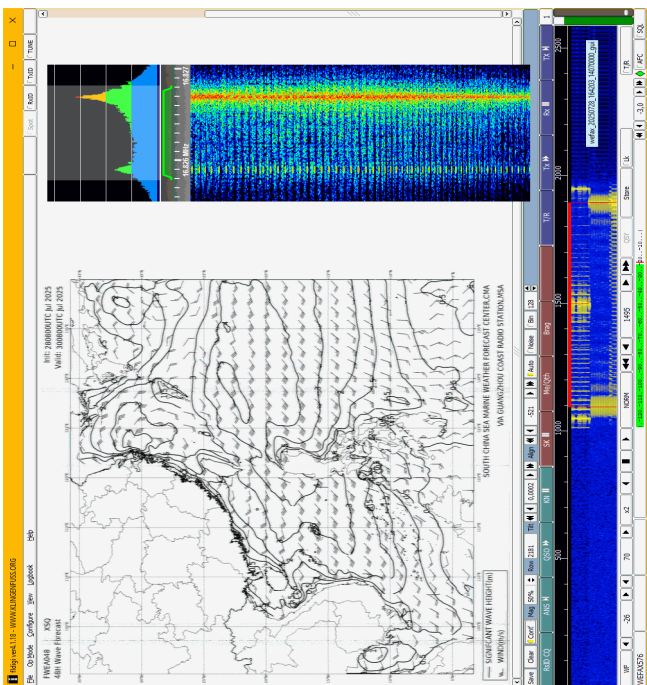
[D] EUR 210.-

The screenshot displays the goZDECODER application window. The main interface is divided into several panes:

- Channels:** Shows the active stream: "goZDECODER [M3] [1 of 4] FDH Decoding".
- Text:** Displays a list of decoded data packets. The first packet is:


```
2025-02-13T17:52:49.509Z
Data Rate: 600bps / Single Slot
NPPDU Uplink
CRC Slot ERROR
18:02:55.335 Adr: 5.0 (Len: 2 AdrErr: 2 2)
18:02:55.655 Adr: 5.0 (Len: 2 AdrErr: 1 3)
18:02:55.980 Adr: 6.0 (Len: 3 AdrErr: 4 2)
18:02:56.301 Adr: 6.0 (Len: 2 AdrErr: 3 2)
18:02:57.577 Adr: 22.0 (Len: 2 AdrErr: 30 2)
18:02:58.206 Adr: 40.0 (Len: 3 AdrErr: 30 2)
18:02:58.537 Adr: 44.0 (Len: 2 AdrErr: 2 1)
18:02:58.856 Adr: 44.0 (Len: 3 AdrErr: 2 0)
18:02:59.177 Adr: 45.0 (Len: 3 AdrErr: 1 1)
18:02:59.485 Adr: 54.0 (Len: 3 AdrErr: 30 3)
18:02:59.819 Msg: +--+--+--+...PU:(3.0) (DNCS) (Len: 21 AdrErr: 4 3 30 4)
18:03:00.391 Adr: 3.0 (Len: 3 AdrErr: 3 2)
18:03:00.706 Adr: 5.0 (Len: 2 AdrErr: 1 30)
18:03:02.310 Adr: 20.0 (Len: 2 AdrErr: 2 2)
18:03:02.626 Adr: 22.0 (Len: 2 AdrErr: 3 30)
18:03:02.947 Adr: 22.0 (Len: 2 AdrErr: 1 3)
18:03:03.258 Adr: 40.0 (Len: 3 AdrErr: 30 3)
18:03:03.588 Adr: 23.0 (Len: 3 AdrErr: 1 2)
18:03:03.909 Adr: 44.0 (Len: 2 AdrErr: 3 4)
18:03:04.230 Adr: 44.0 (Len: 4 AdrErr: 4 1)
18:03:04.556 Adr: 45.0 (Len: 2 AdrErr: 30 3)
18:03:04.868 Adr: 45.0 (Len: 2 AdrErr: 1 1)
18:03:06.083 Adr: 5.0 (Len: 2 AdrErr: 1 1)
18:03:06.401 Adr: 5.0 (Len: 2 AdrErr: 2 2)
18:03:06.721 Adr: 6.0 (Len: 2 AdrErr: 1 1)
18:03:08.645 Adr: 23.0 (Len: 2 AdrErr: 4 2)
18:03:10.564 Msg: +--+--+--+... (Len: 21 AdrErr: 30 4)
18:03:11.132 Adr: 3.0 (Len: 2 AdrErr: 4 4)
18:03:11.758 Adr: 74.0 (Len: 3 AdrErr: 30 1)
18:03:12.099 Adr: 6.0 (Len: 2 AdrErr: 1 3)
18:03:12.418 Adr: 6.0 (Len: 2 AdrErr: 2 1)
18:03:12.722 Adr: 51.0 (Len: 3 AdrErr: 30 2)
18:03:13.243 Adr: 23.0 (Len: 2 AdrErr: 30 1)
18:03:13.562 Adr: 44.0 (Len: 2 AdrErr: 2 0)
```
- Signal:** Shows a waveform plot with a frequency range from 3.095 MHz to 3.078 MHz.
- Resources:** A list of system resources and their status, including Client connections, Demodulation/Decoding, goZDECODER/DNA, HF Server 1, HF Server 2, Resalt Post Processor, Resalt Storage, Scripting Scheduler, Signal Extraction Server, Speech to Text Post Processor, Stream Input 2, System controller, Wideband Classification 1, Wideband Classification 2, Wideband Recording Input 1, and Wideband Recording Input 2.

We now make available this selection of more than 29,000 (twenty-nine thousand!) digital data decoder screenshots on a USB stick. This fascinating new product is the result of 17,800 man hours of radio monitoring and editorial work. The time range covers 1997 to today and new screenshots from our global radio monitoring are added continuously. Included are more than 600 aeronautical, coast guard, company, diplomatic, fixed, maritime, meteorological, military, police, press, telecom and terrorist stations and particularly interesting messages from NGOs such as ICRC, MSF and so on. A detailed list of countries and stations included can be found on our website. These standard graphic files in .gif or .jpg format are easily readable with any standard software package, alternatively just execute the convenient "slide show" on your PC or tablet: **this particular show will keep you busy for a few days or weeks!** 😊



Downlink Gridfile 01 Airfile 59 Flightfile AV0226
 /OAKODVA.ADS.N378HA070808C80C000010E011000F011500015328

ADS-C message:
 Periodic contract request:
 Contract number: 8
 Reporting interval: 576 seconds
 Flight ID: every 0 reports
 Predicted route: every 1 reports
 Earth reference data: every 1 reports
 Mito data: every 0 reports
 Air reference data: every 1 reports
 Aircraft intent data: every 0 reports, projection time: 1 minutes

HACARS mode: 2 Aircraft reg: N378HA
 Message label: 3T Block id: Q (Uplink)
 Message content:
 DISPATCHER MSG
 MOC MSG

NO OTHER RECOMMENDATION IF ATSU RESET IS UNSUCCESSFUL

WE HAVE SATCOM VOICE FAULT ON OUR END.

WE HAVE THE MX ON THE NEXT STATION PREP WITH THIS DEFECT UPON YOUR ARRIVAL

HACARS mode: 2 Aircraft reg: N378HA
 Message label: H1 Block id: J (Uplink)
 Message content:
 - FINDERQOS037B

HACARS mode: 2 Aircraft reg: N378HA
 Message label: H1 Block id: 5 Msg. no: F01A Flight id: HA0028
 Message content:
 #MTBPOSN3002WY151168,20ULU,111457,390,ZEMOM,111635,ZINNO,M60,2742,5357511457,210825232F

HACARS mode: 2 Aircraft reg: IPC6809
 Message label: 12 Block id: X (Uplink)
 Message content:-

DIRECT RECOMMENDATION

GAP2529
 RPPL-RPMY

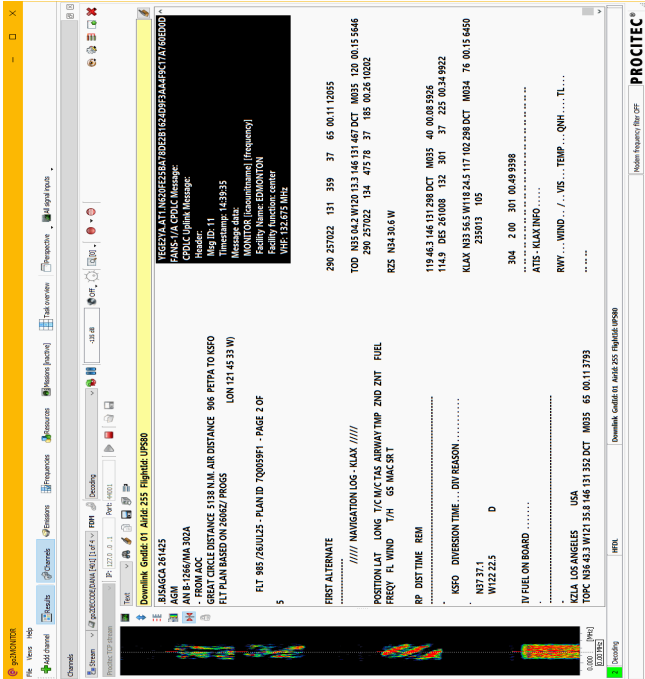
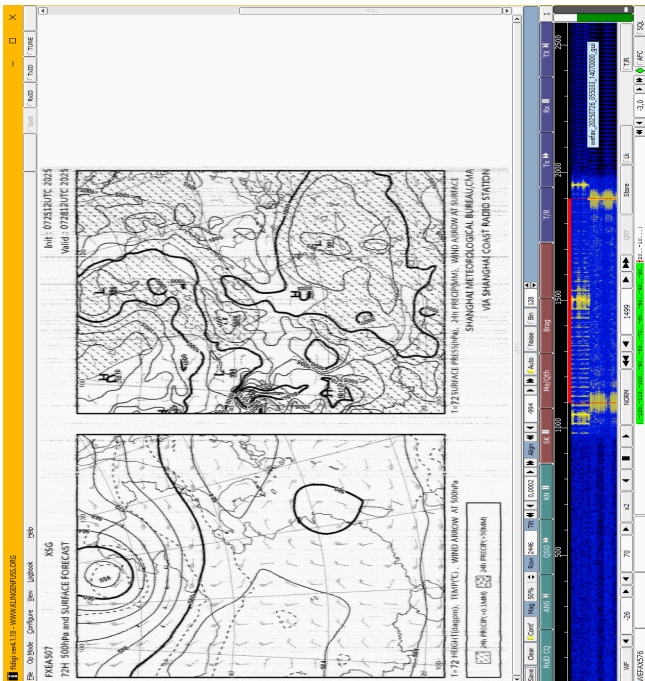
BEST RECOMMENDATION (kgs fuel saved)

START WPT: RABEL
 END WPT: MCT
 FLOWN: 639
 SIMILAR FLT'S: 2330

SAVINGS
 FUEL: 19.428
 TIME: PT275

Position: **HTL** | Downlink Gridfile 01: Airfile 59 Flightfile AV0226

Sender latitude: +49 31.364
 Sender longitude: -99 -46.707
 Last change: 21.08.2023 14:04:13



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Advanced Systems Technology, Electronic Attack Wing, Oak Harbor WA, USA

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Atos, Bull-Amesys Crypto, Aix-en-Provence, FRA

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Bundesamt für Polizei, Bibliothek und Dokumentation, Berne, SWI

Bundesministerium für Verkehr, Frequenzbüro, Vienna, AUT

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Finnish Defence Forces, LSHR Järjestelmakeskus, Riihimäki, FNL

Forsvarets Overkommando, Headquarters Defence Command, Oslo, NOR

Government Communication Headquarters, Library, Cheltenham, GBR

Government of Canada, Services du Spectre, Saint-Remi QUE, CAN

Indian Army, Directorate of Signal Intelligence, New Delhi, IND

King Saud University, SIGINT, Riyadh, SDA

Kormanyzati Frekvenciagazdalkodasi Hivatal, Budapest, HNG

Marinha Nacional, Submarine Squadron, Weapons+Electronics, Alfeite, POR

Massachusetts Institute of Technology, Lincoln Laboratory, Lexington MA, USA

Ministry of Defence, Defence Electronics Research Laboratory, Hyderabad, IND

Ministry of Defence, MinDef General ComCen, SNG

National Electronics and Cryptology Research Institute, Istanbul, TUR

National Security Agency, Naval Post Graduate School, Monterey CA, USA

Norwegian Intelligence Service, Forsvarets Stasjon Kirkenes, Hesseng, NOR

Ofcom, Knowledge Centre, London, GBR

PTC, Spectrum Management, Port Moresby, PNG

Royal New Zealand Navy, Maritime Headquarters, Auckland, NZL

Singapore Telecom Electronics, Info-Comm Systems, Jurong East, SNG

State Information Technology Agency, Erasmuskloof, Pretoria, SAF

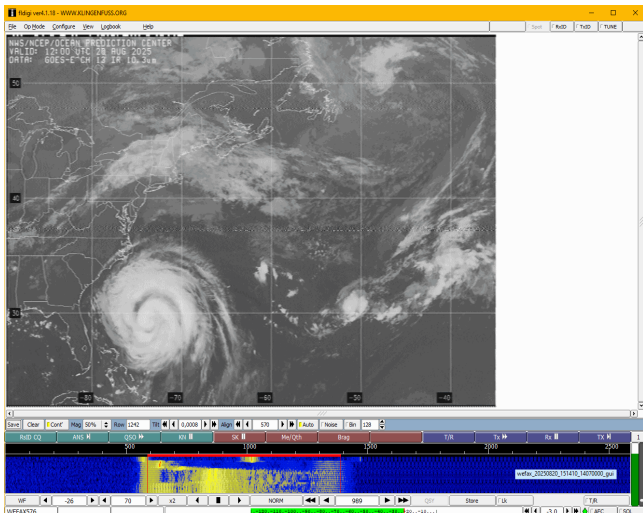
Stato Maggiore Difesa, Centro Intelligence Interforze, Maccaresse, ITA

Swedish Armed Forces, Naval Base, Västra Frölunda, SWE

Tadiran Electronic Systems, Spectrum Control, Project Manager, Holon, ISR

VA Tech, NSA Hume Center for Cyber and Homeland Security, Blacksburg VA, USA

Wavecom Nachrichtentechnik, Bülach, SWI ☺



US Coast Guard Boston MA, USA • Satellite image

| Type(color) | Type | Modem | Start time | Sender ID | Recipient ID |
|--------------------|-------|-------------------------|-----------------|-----------------|--------------|
| Content production | HFDDL | 05.10.2025 10:00:46.358 | B-322H | HAF WL THAILAND | |
| Content production | HFDDL | 05.10.2025 10:00:11.504 | B-322H | HAF WL THAILAND | |
| Content production | HFDDL | 05.10.2025 17:58:35.908 | B-322H | HAF WL THAILAND | |
| Content production | HFDDL | 04.10.2025 15:30:37.427 | AUCKLAND, NZ | NS320N | |
| Content production | HFDDL | 03.10.2025 15:40:32.466 | HAF WL THAILAND | B-323S | |
| Content production | HFDDL | 03.10.2025 15:35:12.466 | HAF WL THAILAND | B-LRU | |
| Content production | HFDDL | 03.10.2025 14:59:36.145 | ET0407 | HAF WL THAILAND | |
| Content production | HFDDL | 03.10.2025 14:59:08.070 | A6-X001 | HAF WL THAILAND | |
| Content production | HFDDL | 03.10.2025 14:53:55.870 | A6-X001 | HAF WL THAILAND | |
| Content production | HFDDL | 03.10.2025 14:47:51.695 | A6-X001 | HAF WL THAILAND | |

UT0205 - sorted by Freq

| Freq | Design | Station | Country | Modulation | Details |
|--------|--------|-----------------------|---------|------------|---------|
| 5652.0 | | Naimay Air | MG | SSB | |
| 5652.0 | | Oakland Air, CA | USA | SSB | |
| 5652.0 | | San Francisco Air, CA | USA | SSB | |
| 5652.0 | | Tamanrasset Air | ALG | SSB | |
| 5652.0 | | Tinianou Air | ALG | SSB | |
| 5652.0 | | Tripoli Air | LYB | SSB | |
| 5652.0 | | Tunis Air | TUN | SSB | |
| 5655.0 | | AMS | | | |
| 5655.0 | HFDDL | Hat Yai Air | THA | DIG | HFDDL |
| 5655.0 | | Bangkok Air | THA | SSB | |
| 5655.0 | | Chang Air | SHG | SSB | |
| 5655.0 | | Guangzhou Air | CHN | SSB | |
| 5655.0 | | Hanoi Air | VN | SSB | |
| 5655.0 | | Hong Kong Air | CHN | SSB | |
| 5655.0 | | Ikutsk Air, SE | RUS | SSB | |

Ground Station ID : 06 HAT YAI - THAILAND - LAT 6 56 15 N LON 100 23 18 E
AirID : 164 /next1>
 <hfddlslotType xmlns:hfddl="hfddl_ns">Download</hfddlslotType>
 <hfddlaircraftId xmlns:hfddl="hfddl_ns">64</hfddlaircraftId>
 <hfddlgroundId xmlns:hfddl="hfddl_ns">06</hfddlgroundId>

MIAM CORE Data, version 1:
 PDU Length: 396
 Aircraft ID: B-322H
 Msg num: 97
 ACK: not required
 Compression: deflate
 Encoding: ISO #5
 ACARS:
 Label: H1 Sublabel: CF
 Message
 <RTS><HEAD><IDCMS pn="ABF31A6FNCL0004" vers="4.0"/><DA>2025/10/05
 17:58:01</DA><ACD MSN="0465" tail="B-322H" type="B320_000"/>
 <TID>C00000097</TID></HEAD><HEADRTR><FROM>2GSZ</FROM><TO>FAOR</TO>
 <FNRB>CCAB67</FNRB></HEADRTR><ITD><CB>A</CB><NFDE><MC>3830E004</MC><MD>WATER/WASTE-Toilet does not flush</MD></NFDE><MM hdl="y" fo="A" occ="1"><MC>3830F1W5</MC><MD>TOILET-
 ASSY(S01MG141)</MD><DA>2025/10/05 17:47:58</DA><CDA>2025/10/05
 17:54:11</CDA><ATA>3830</ATA><FPH>8</FPH><FCL>3</FCL><PRIO>high</PRIO>
 <STA>2</STA><SYS name="VRS" bite_id="204" side="0"/></MM></TID></RTR>

2025 Super Frequency List
 [On] [Off] [Add] [Remove] [Details] [About]
 [On] [Off] [Add] [Remove] [Details] [About]
 [On] [Off] [Add] [Remove] [Details] [About]

Hat Yai Air, Thailand • MIAM XML failure report

Klingenfuss Publications

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