



Monitoring System

DK2OM – Wolf Hadel
Co-ordinator of IARUMS Region 1
Editor of the Newsletter

HB9CET – Peter Jost
Vice Co-ordinator of IARUMS Region 1

The monthly newsletter for Region 1

March 2013

The 24 members of the IARUMS Region 1 Monitoring Team:



Acknowledgements

++ ARI: DH7SA – Salvatore ++ ARSK: 5Z4NU - Ted ++ ASTRA: DL1BDF – Mustapha ++ DARC: DJ9KR – Uli ++
++ ERASD: SU1SA – Sayed ++ IARC: 4Z1AB – Amos ++ IRTS: EI5DD - Steve ++ KARS: 9K2RR – Faisal ++
++ MARL: 9H1M – Dominic ++ MRASZ: HA7PL - Laci ++ NARS: 5N9AYM – Yusuf ++ NRRL: LA4EU – Hans Arne ++
++ OEVSU: OE3GSA – Gerd ++ PZK: SP3SUZ – Wladyslaw ++ RAL: OD5RI – Riri ++ REP: CT4AN – Jose ++
++ RSGB: G4BOH - Chris ++ SARL: ZS1FCS - Fred ++ SRAL: OH2BLU - Pekka ++ UBA: ON4VJ - Johny ++
++ URE: EA5DY - Salvador ++ USKA: HB9CET - Peter ++ VERON: PA2GRU - Dick ++ ZRS: S56ZDB – Darko ++
++ G3VZV – Graham (satellite) ++ TG9ADV – Jorge (Co-ordinator Region 2) ++ VK3MV – Peter (Co-ordinator Region 3) ++
++ DF8FE – (Webmaster assis.) ++ DL8AAM (ALE) ++ DJ7KG (BUOYS) ++ DF5SX (BC) ++ DARC (server support) ++
++ OD5TE (Hani) ++ VE6SH – Tim (IARU President) ++ PB2T – Hans (IARU R1 President) ++ 9A5W - Nikola (EC-IARU-R1
++ PTTs: German (BNetzA), BAKOM (Switzerland), OFCOM (UK) ++ SK6AW – DX-Cluster ++

Part 1: News and infos

Part 2: Detailed reports of the national co-ordinators

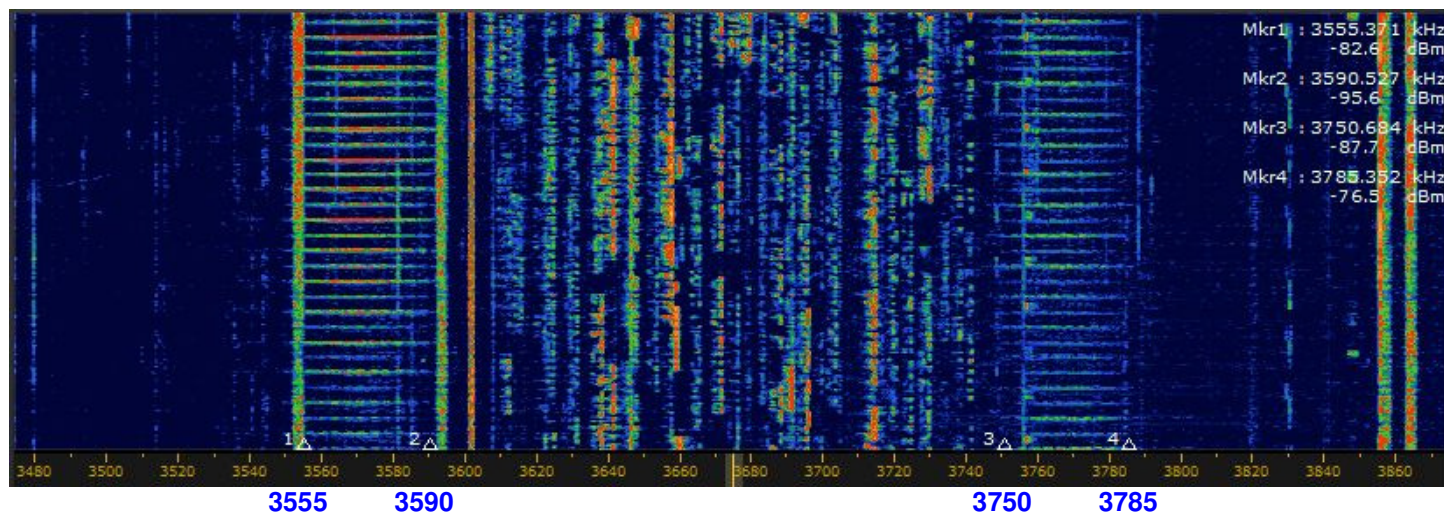
Part 1: News and Infos

1. Russian OTH Radar on 80 m

A Russian OTH Radar was transmitting between 3555 – 3590 and 3750 – 3785 kHz (simultaneous), always 35 kHz wide and 43.5 sps. The location was the area of Makhachkala, Caspian Sea. Amteurradio and many other services were disturbed in the evening hours. I sent a complaint to the Russian Society SRR and asked for assistance. Many thanks to PB2T, who supported my complaint by his own mail. Observe the screenshot below!

Recording by DK2OM: <http://www.iarums-r1.org/iarums/sound/3570-rus-othr.wav>

Screenshot: DK2OM with Perseus – Russian OTH Radar on 80 m on March 3rd and until the end of March



2. Iran OTH Radar daily on 10 m in March

The Iran Radar was daily active on 28000 – 29700 kHz transmitting bursts with 307 and 870 sps and 60 kHz wide. The splatters often covered 500 kHz and more. The German PTT (BNetzA) sent an official complaint to Iran.

3. Radio Tehran with spurious emissions on 21445 kHz

Radio Tehran on 21500 kHz produced spurious emissions on 21445 kHz and down, always 55 kHz increments (also below 20900 kHz and deeper). A complaint by the German PTT brought no solution until today. The transmissions were audible every morning at about 0800 utc.

4. Dutch Datawell buoys with illegal transmissions on 10 m

Datawell Buoys are still abusing our 10 m-band. The Datawell Company in the Netherlands has been informed that the transmissions are illegal by DK2OM and PA2GRU in March 2012. No reactions, as you can see.

Datawell buoys on 10 m – observed and measured by DK2OM with Wavecom W-Code:

| kHz | UTC | DD | MM | ITU | MODE | Baud | Shift | Details |
|---------|------|-----|----|-----|------|------|-------|---|
| 29250,0 | 0756 | 10 | 03 | E | F1B | 81.9 | 140 | Datawell-buoy "Waverider" – 29249.907 kHz – Fuerteventura - daily, all day |
| 29375,0 | 1446 | 09 | 03 | I | F1B | 81.9 | 140 | Datawell-buoy "Waverider" – 29374.898 kHz – Galatone, South Italy - daily, all day |
| 29387,5 | 1145 | 09 | 03 | IND | F1B | 81.9 | 140 | Datawell-buoy "Waverider" – 29387,463 kHz – Indian north-west coast, close to Pakistan - daily, all day |
| 29450,0 | 1003 | 08 | 03 | MRC | F1B | 81.9 | 140 | Datawell-buoy "Waverider" – 29449.963 kHz - area of El Aaiun – Morocco - daily, all day |
| 29500,0 | ady | dly | 03 | G | F1B | 81.9 | 140 | Datawell-buoy "Waverider" – area of Gibraltar – daily, all day |
| 29525,0 | 1751 | 02 | 03 | MRC | F1B | 81,9 | 140 | Datawell-buoy "Waverider" – 29524.990 kHz - Agadir - Morocco – daily, all day |

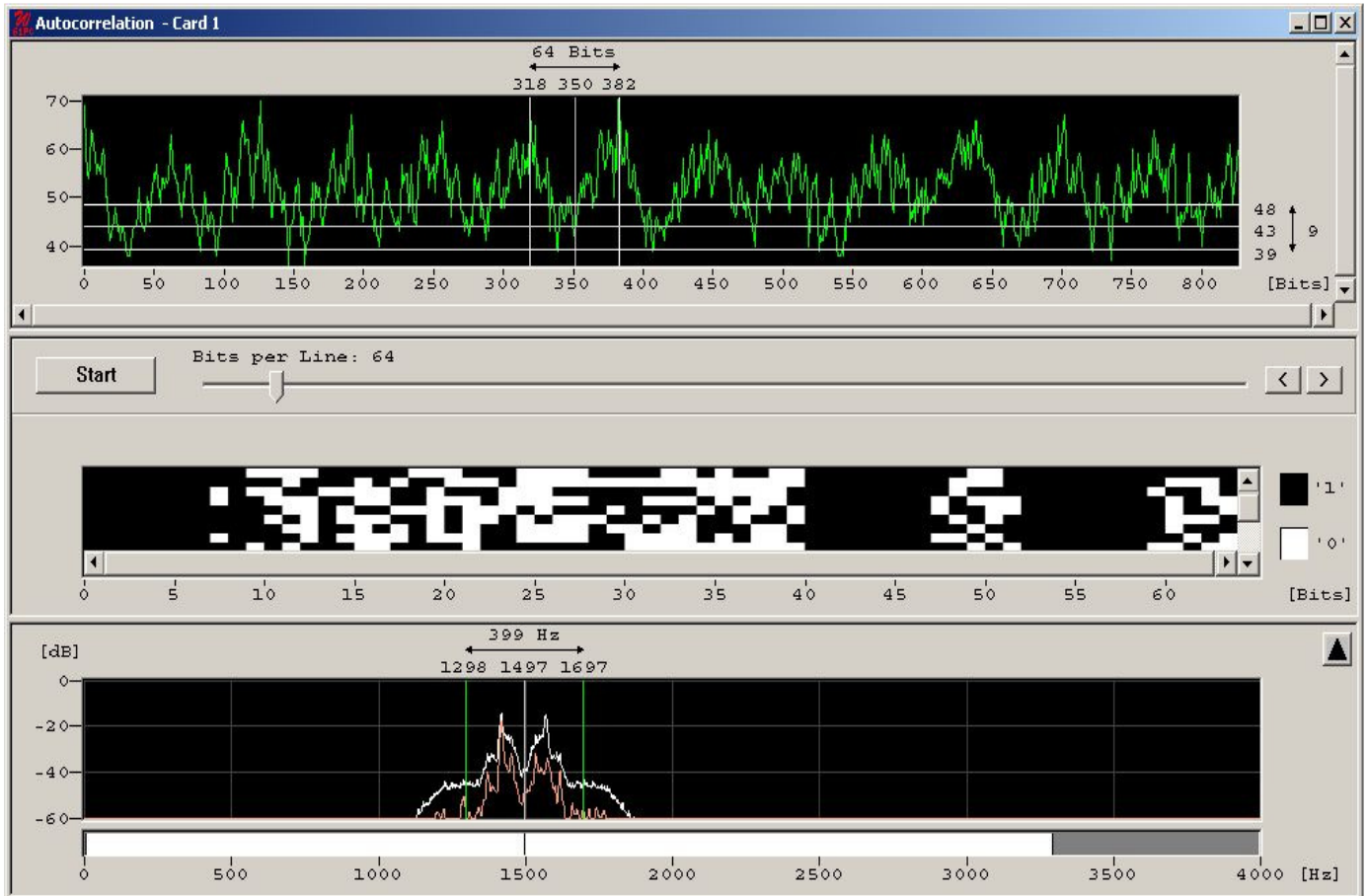
The range of Mark II buoys should be about 50 km while transmitting with 150 – 200 mW. The real range is 4000 – 5000 km!!! PA2GRU informed the Dutch PTT "Agentschap Telecom" at Groningen.

More infos about the Waverider buoys: <http://www.datawell.nl/inhoud.php?id=1>

Datawell buoy audiofile - recording by DK2OM:

<http://www.iarums-r1.org/iarums/sound/buoy-29525.wav>

ACF measurement of a Datawell buoy showing the typical “autocorrelation frequency” (ACF) = 64. (DK2OM with W-Code / Wavecom)



5. Russian Navy Moscow again on 7054 kHz

The Russian Navy came back to 7054 kHz on March 1st. Parameters: F1B, 50 Bd, 200 Hz shift, system CIS50-50. Daily audible at 1700 utc, disturbing the digital range of our 40 m-band. The German PTT (BNetzA) filed an official complaint.

6. REA4 Moscow left 7018 kHz

The Russian Airforce Moscow (ident: **REA4**) left 7018 kHz after a long period. Parameters: F1B (bad signal), 150 Bd, 500 and 1000 Hz shift. I found harmonic radiations on 14038 and 21054 kHz. The system on 7018 was also audible in Japan and Australia under night conditions.

7. Vocoder Yakhta back on 21000 kHz

The Russian vocoder Yakhta came back to 21000 kHz as usual on March 1st. The inband F1B synchro signal was daily active on 21001.5 kHz with 100 bd and 150 Hz shift. Location: Nizhniy Tagil, close to Jekaterinburg, Russia. Seems to be Russian military. The real purpose is unknown.

8. Russian pirates on 80 m

Mail from a Russian Ham: “**Russian unlis from R3Q, R3W, R3L, R3E regions in AM-mode permanently on 3,500...3,530 MHz**” – The Russian Amateur Society was informed.

9. North Korean diplo traffic on 10 m

I found North Korean diplo traffic on 28149.2 kHz on March 15th. Parameters: ARQ burst system working semi-duplex with 1200 Bd and 1200 Hz shift. Location: North Korean embassy at Dakar – Senegal. They are also transmitting with 600 bd and 600 Hz shift = DPRK-FSK 600. **DPRK** = Democratic Republic of North Korea. **Listen to my recordings:**

DPRK-FSK 600 -> <http://www.iarums-r1.org/iarums/sound/10133dprk.wav>

DPRK-FSK 1200 -> <http://www.iarums-r1.org/iarums/sound/dprk-fsk1200.wav>

10. Homepage IARU Region 1

<http://www.iaru-r1.org/>

Homepage IARUMS Region 1

<http://www.iarums-r1.org>

Homepage IARUMS Region 2

<http://www.iaru-r2.org/>

Homepage IARUMS Region 3

<http://www.iaru-r3.org/ms/>

Intruderlogger Region 1

<http://peditio.net/intruder/bluechat.cgi>

ITU-Monitoring Reports:

<http://www.itu.int/ITU-R/index.asp?category=terrestrial&link=terrestrial-monitoring&lang=en>

Part 2: Detailed reports of the national Co-ordinators

DD = day *** MM = month *** dly = daily *** vt = various times *** vd = various days *** BD = Baud *** SH = shift *** SP = spacing *** Mode = mode of transmission *** A3E = AM *** A1A = CW *** J3E-U = USB *** J3E-L = LSB *** FSK (F1B) = frequency shift keying *** PSK = phase shift keying *** OFDM = othogonal frequency division multiplex
ALE (MIL-188-141A) = automatic link establishment *** MUX = multiplex *** Ui (unid) = unidentified *** Illicit = illegal *** UiLL = unidentified illegal *** BC = broadcast *** MIL = military *** PTR = printer *** NGO = non governmental organization *** ITU = ITU country abbreviation *** PRC = People's Republic of China *** PLA = People's Liberation Army *** MFA = Ministry of Foreign Affairs *** MOI = Ministry of Interior *** MOPO = Ministry of Public Order *** IARUMS = IARU Monitoring System *** UTC = Universal Time Coordinated *** pps = pulses per second (earlier radar systems) *** sps = sweeps/sec (radar systems) *** FMCW = frequency modulated continuous wave (OTH and coastal Radars)
5BL = 5 cyrillic lettergroups

ARSK MONITORING OVERVIEW FOR MARCH 2013

For March, the only significant intruders observed were broadcasts from Khartoum, Addis Ababa, Asmara and Hargeisha in the 40 meter band, which are well known. The rains are with us causing heavy static noise so probably a number of Francophone Africa intruders are not heard.

E.H.M. Alleyne, 5Z4NU
 ARSK National IARUMS Co-ordinator

ARSK – Kenya – 5Z4NU (Ted) ---

not available

DARC 1 – Germany – DJ9KR (Ui) Illicit and broadcast intruders

| CLUB | kHz | UTC | DD | MM | ITU | Call Sign | MODE | Remarks and Comments |
|------|--------|------|-----|----|------|-----------------------|-------|--|
| DARC | 3520,0 | 1809 | 26 | 03 | CIS | UiLL | J3E-U | large net in Russian voice, all females |
| DARC | 6998,2 | 1731 | 13 | 03 | | UiLL | J3E-U | 2 male persons in Italian voice, splatters into ham band |
| DARC | 7000,0 | 0018 | 06 | 03 | S.As | UiLL | J3E-L | S.As male voices |
| DARC | 7000,0 | 0140 | 22 | 03 | UKR | beacon D | A1A | beacon Sevastopol, IM |
| DARC | 7018,0 | 1652 | 22 | 03 | | UiMUX | XXX | roaring noise |
| DARC | 7031,5 | vt | 26 | 03 | | UiMUX | XXX | rushing noise heard 1702, 2131 |
| DARC | 7036,0 | 1812 | 20 | 03 | | UiLL | F1B | fast reversals |
| DARC | 7038,7 | vt | dly | 03 | UKR | beacon D | A1A | beacon Sevastopol heard 0118, 0315, 2100 - 20 reports all month |
| DARC | 7038,9 | 2100 | 22 | 03 | RUS | beacon S | A1A | beacon "S" - Severomorsk |
| DARC | 7039,0 | vt | vd | 03 | RUS | beacon P | A1A | beacon "P", Kaliningrad |
| DARC | 7039,0 | vt | vd | 03 | RUS | beacon C | A1A | beacon "C" - Moscow heard 0700, 1800, 1900 |
| DARC | 7039,1 | vt | vd | 00 | KGZ | beacon A | A1A | beacon "A" - Bishkek - not heard in March |
| DARC | 7039,2 | vt | vd | 03 | RUS | beacon L | A1A | beacon "L" - St. Petersburg |
| DARC | 7039,2 | vt | vd | 03 | RUS | beacon F | A1A | beacon "F" - Vladyvostok |
| DARC | 7039,4 | vt | vd | 03 | RUS | beacon K | A1A | beacon "K" - Petropavlovsk |
| DARC | 7039,5 | vt | vd | 03 | RUS | beacon M | A1A | beacon "M" - Magadan |
| DARC | 7054,0 | vt | 13 | 03 | RUS | RUS Navy Moscow | F1B | heard 1817 (fast reversals), 2035 (printer), heard all month (17 reports) all day, times 0018, 0140, 1801, 1812, 2135, 2217) |
| DARC | 7105,0 | vt | dly | 03 | CHN | Soh Xi Wang Zhi Sheng | A3E | Chinese px s/on at 2200, s/off at 2300 - 20 kHz spread |
| DARC | 7105,0 | 2218 | 14 | 03 | TWN | Sound of Hope | A3E | Chinese px faintly audible under Chinese px of Soh Xi Wang Zhi Cheng |
| DARC | 7105,0 | 2218 | 14 | 03 | CHN | Soh Xi Wang Zhi Sheng | A3E | Chinese px in order to jam Sound-of-Hope |
| DARC | 7105,0 | 1927 | 22 | 03 | TUN | RTV Tunisia | A3E | Ar px |
| DARC | 7105,0 | 2200 | 27 | 03 | CHN | Soh Xi Wang Zhi | A3E | Chinese px S9+25dB, covering a 2nd Chinese BC |

| CLUB | kHz | UTC | DD | MM | ITU | Call Sign | MODE | Remarks and Comments |
|------|---------|------|-----|----|------|---------------------|-------|---|
| | | | | | | Sheng | | |
| DARC | 7105,0 | 2200 | 27 | 03 | TWN | Sound of Hope | A3E | Chinese px, weak, covered/jammed by CHN |
| DARC | 7110,0 | 0115 | 17 | 03 | BRM | R. Myanmar | A3E | typical music |
| DARC | 7120,0 | vt | 12 | 03 | SOM | R.Hargaysa | A3E | Somali px, heard 1735 - 1805 |
| DARC | 7120,0 | vt | vd | 03 | SOM | R.Hargaysa | A3E | Somali language 1530 - 1900, 21 reports all month |
| DARC | 7145,0 | 2130 | 24 | 03 | | UiOTH-Radar | FMCW | pulses in short strings, each 5 s long |
| DARC | 7155,0 | vt | 05 | 03 | | UiBC | A3E | BC heard 1851 - 1858 s/off |
| DARC | 7175,0 | 1616 | 15 | 03 | ETH | ETH Govt Jam | JAM | white noise jammer |
| DARC | 7175,0 | 1518 | 16 | 03 | ERI | VOBME | A3E | barely audible under heavy jam / ETH white noise |
| DARC | 7175,0 | 1652 | 22 | 03 | ERI | VOBME | A3E | clear frequency, no jam |
| DARC | 7180,0 | 0550 | 28 | 03 | ERI | VOBME | A3E | slightly audible under white noise jammer of ETH Govt. |
| DARC | 7180,0 | vt | 21 | 03 | ERI | VOBME | A3E | Arabic px, heard 1733 - 1800 s/off, s/off with National Anthem "Eriryah..." |
| DARC | 7189,0 | 0222 | 18 | 03 | | SLBC Sri Lanka | A3E | Indian type music |
| DARC | 7189,9 | 0140 | 22 | 03 | CLN | SLBC Sri Lanka | A3E | typical music |
| DARC | 7195,0 | 2030 | 13 | 03 | | UiBC | | weak carrier heard |
| DARC | 7200,0 | 0320 | 14 | 03 | SDN | R.Omdurman | A3E | Holy Qur`an recitals, S9+15dB |
| DARC | 7205,0 | 1858 | 05 | 03 | | UiBC | A3E | Ge px, splatters down till 7190 |
| DARC | 10101,0 | 2204 | 12 | 03 | Af | UiILL | J3E-U | pirates, African Tribal language |
| DARC | 10121,1 | 1600 | 17 | 03 | S.As | UiILL | J3E-U | 2 male persons, S.As language |
| DARC | 10133,1 | 1518 | 20 | 03 | MRC | UiILL | J3E-U | 2 male persons in Arabic voice, QTE 120 degs. |
| DARC | 10135,0 | 1716 | 26 | 03 | | UiOTH-Radar | FMCW | pulses 10135 - 10165 |
| DARC | 14000,0 | vt | vd | 03 | | UiOTH-Radar | FMCW | Mario, DG0JBJ, has sent 8 reports for the range 14000 - 14350 kHz |
| DARC | 14000,0 | 1658 | 22 | 03 | | UiILL | J3E-U | 2 m in S.As voice, SSB-USB |
| DARC | 14060,0 | 1000 | Sun | 03 | ROU | Radio Romania Intl. | A3E | IM from R.Romania, 17780 x 21500, only on Sundays - heard 3 March 2013 |
| DARC | 14060,0 | 1046 | 24 | 03 | ROU | R.Bucharest | A3E | IM from R.Romania, S8-9-signal, French px, 17780 x 21500, only on Sundays - still heard 24 March 2013 |
| DARC | 14094,0 | 1822 | 26 | 03 | | UiBC | A3E | unid BC, too weak to identify language |
| DARC | 14141,1 | vt | 17 | 03 | S.As | UiILL | J3E-U | 2 male persons in Asiatic voice, engine noise in background, heard 1545, no hams! |
| DARC | 14160,0 | 0958 | 01 | 03 | ROU | R.Bucharest | A3E | jingle, ann. at 1000: "Aic Bukuresti, Radio Romania International", S7 - found // 15260 |
| DARC | 14195,0 | 0837 | 17 | 03 | TJK | R.Tajikistan | A3E | S8-signal, pumping carrier |
| DARC | 14295,0 | vt | vd | 03 | TJK | R.Tajikistan | A3E | typical music, S9+10dB max., heard 0832, 0945, 1052, 1327 1543, 1812, 18 reports all month |
| DARC | 14350,0 | 0741 | 24 | 03 | RUS | Lis Radio Ham | J3E-U | 2 Russian radio hams, SSB-USB, out-of-band operation |
| DARC | 21000,0 | vt | vd | 03 | | UiOTH-Radar | FMCW | Mario, DG0JBJ, has sent 96 reports for the range 21000 - 21450 kHz |
| DARC | 21001,5 | 0844 | 06 | 03 | RUS | Vocoder Yakhta | F1B | Scrambled voice |
| DARC | 21001,5 | 0944 | 15 | 03 | RUS | Vocoder Yakhta | F1B | encoding signal with voice traffic |
| DARC | 21004,0 | 0955 | 18 | 03 | | UiILL | J3E-L | unid male voice |
| DARC | 21180,0 | 0934 | 01 | 03 | CIS | Taxi Business | F3E | Ru male to female |
| DARC | 21424,0 | 1018 | vd | 03 | RUS | UiPTR | F1B | fast reversals, fundamental is 10712, is RUS Navy Irkutsk |
| DARC | 21438,0 | vt | dly | 03 | UKR | RCV | A1A | RCV, RIP90 - is RUS Navy Sevastopol |
| DARC | 21470,0 | 0946 | 20 | 03 | | UiOTH- | FMCW | splatters into ham band |

| CLUB | kHz | UTC | DD | MM | ITU | Call Sign | MODE | Remarks and Comments |
|-------------|---------|------|----|----|------|------------------|-------|---|
| | | | | | | Radar | | |
| DARC | 28000,0 | vt | vd | 03 | IRN | OTH-Radar | FMCW | Mario, DG0JBJ, has monitored 27 OTH-Radars from Iran jumping up and down in the range 28000 - 29700 kHz. On 6, 7, 8, 9, 11, 27, and 28 March it was impossible to indicate time and QRG as tx-ions sometimes lasted only a short period and the radars were jumping up and down in frequency. Sometimes they stayed on a QRG only for a few minutes. |
| DARC | 28034,2 | 1715 | 20 | 03 | B | UiILL | A3E | 2 male persons in Portuguese voice |
| DARC | 28055,0 | 1015 | 06 | 03 | CIS | Taxi Business | F3E | Ru traffic, male to female |
| DARC | 28071,0 | vt | vd | 03 | | Driftnet Buoys | A1A | There are 48 reports from AC7GZ, CT2IWW, DJ7KG, DK2OM, IK2GFT, WJ50 for the month of March 2013 - range 28071 - 28447 |
| DARC | 28075,0 | 1715 | 20 | 03 | B | UiILL | A3E | 2 male persons in Portuguese voice |
| DARC | 28105,0 | 1015 | 06 | 03 | CIS | Taxi Business | F3E | Ru traffic, male to female |
| DARC | 28110,7 | 0918 | 15 | 03 | | UiILL | J3E-U | 2 male persons in Arabic voice, QTE 120 degs. |
| DARC | 28115,0 | 1721 | 20 | 03 | B | UiILL | A3E | 2 male persons in Portuguese voice |
| DARC | 28135,0 | 0920 | 15 | 03 | CIS | Taxi Business | F3E | Ru traffic, male to female |
| DARC | 28135,8 | 1344 | 22 | 03 | B | UiILL | A3E | 2 m in Portuguese voice, roger beep |
| DARC | 28145,0 | 1440 | 16 | 03 | CIS | Taxi Business | F3E | Ru traffic, male to female |
| DARC | 28145,0 | 0938 | 01 | 03 | CIS | Taxi Business | F3E | Ru male to female |
| DARC | 28155,0 | 0913 | 15 | 03 | CIS | Taxi Business | F3E | Ru traffic, male to female |
| DARC | 28175,0 | 1515 | 22 | 03 | B | UiILL | A3E | 2 m in Portuguese voice |
| DARC | 28203,9 | 1704 | 20 | 03 | MRC | UiILL | J3E-U | 2 male persons, Spanish dialect and Arabic, engine noise, is Moroccan fishery |
| DARC | 28235,0 | 1015 | 06 | 03 | CIS | Taxi Business | F3E | Ru traffic, male to female |
| DARC | 28275,0 | 1512 | 16 | 03 | B | UiILL | A3E | Portuguese male voices, AM |
| DARC | 28275,0 | 1702 | 20 | 03 | B | UiILL | A3E | 2 male persons in Portuguese voice |
| DARC | 28285,0 | 1512 | 16 | 03 | B | UiILL | A3E | Portuguese male voices, AM |
| DARC | 28305,0 | 1440 | 16 | 03 | CIS | Taxi Business | F3E | Ru traffic, male to female |
| DARC | 28305,0 | 0932 | 15 | 03 | | UiILL | A3E | male person in Spanish voice |
| DARC | 28315,0 | 1342 | 22 | 03 | B | UiILL | A3E | 2 male in Portuguese voice, mentioning "Brasil" |
| DARC | 28336,3 | vt | 30 | 03 | MRC | Moroccan fishery | J3E-U | 2 male persons in Arabic dialect and French, DIESEL engine noise in background (fishery), position of ship indicated by fisherman: 24 ° 55 'N - 6 ° 25 ' W -- heard 1419 - 1427 - leaving QRG after request by amateur |
| DARC | 28435,0 | 0920 | 15 | 03 | CIS | Taxi Business | F3E | Ru traffic, male to female |
| DARC | 28457,5 | 0923 | 15 | 03 | S.As | UiILL | A3E | S.As male singing |
| DARC | 28504,0 | 0923 | 15 | 03 | S.As | UiILL | A3E | S.As male |
| DARC | 28655,0 | 1440 | 16 | 03 | CIS | Taxi Business | F3E | Ru traffic, male to female |
| DARC | 28695,0 | 1440 | 16 | 03 | CIS | Taxi Business | F3E | Ru traffic, male to female |
| DARC | 28710,0 | 1026 | 17 | 03 | IRN | OTH-Radar | FMCW | 2 tones, 307 and 870 Hz / sps, 600 kHz splatters |
| DARC | 28710,0 | 0949 | 20 | 03 | IRN | OTH-Radar | FMCW | 2 tones, 307 and 870 Hz / sps, 600 kHz splatters |
| DARC | 28895,0 | 1440 | 16 | 03 | CIS | Taxi Business | F3E | Ru traffic, male to female |

DARC 2 – Germany - DK2OM (Wolf)

FSK transmissions -> center frequency between mark and space

PSK transmissions -> center frequency - ALE (MIL188-141A) -> USB frequency

exclusive bands -> black – shared bands -> blue - voice traffic -> green - BC -> red

SH = shift --- SP = spread (radar) – SPS = sweeps/sec (radar)

| DK2OM | kHz | UTC | DD | MM | ITU | IDENT | MODE | BD | SH/SP | DETAILS |
|-------|--------|------|-----|----|-----|--------|--------------|------------|--------------|--|
| DK2OM | 1810,2 | 2250 | 07 | 03 | CIS | | A3E | | | CIS pirates, unstable carrier – now inside our band! |
| DK2OM | 1810,9 | 2245 | 07 | 03 | CIS | | A3E | | | CIS pirates, unstable carrier – now inside our band! |
| DK2OM | 1812,0 | 1910 | 14 | 03 | POL | | USB LSB | | | Polish “PIP” – 14 tones – hyperbolic radio navigation system – BRAS-3/RS-10 - Polish Baltic coast - POL Navy – legal operation (ITU footnote) – daily, all day |
| DK2OM | 1825,0 | 1954 | 19 | 03 | HOL | | USB | | | Dutch fishery |
| DK2OM | 1861,8 | 1920 | 16 | 03 | F | | PSK8 | 2400 | 2400 | MIL-188-110B – 3200 bps/short – area of Nantes |
| DK2OM | 1881,4 | 2145 | 14 | 03 | F | | QPSK | 100 | 100 | BC-PSK – radio navigation - Nantes |
| DK2OM | 1896,5 | ady | dly | 03 | D | | PSK8 | 2400 | 2400 | Stanag4285 – 600 bps long – German Navy |
| DK2OM | 3500,0 | 2119 | 01 | 03 | E | | USB | | | Spanish fishery – also: 08.03.2013 at 2230 utc |
| DK2OM | 3500,0 | 2104 | 15 | 03 | TUR | | USB | | | Turkish man, “radio control” |
| DK2OM | 3500,0 | 1919 | 26 | 03 | CIS | | A3E | | | CIS pirates, unstable carrier |
| DK2OM | 3500,4 | 1833 | 29 | 03 | CIS | | A3E | | | CIS pirates, unstable carrier |
| DK2OM | 3500,8 | 2039 | 07 | 03 | CIS | | A3E | | | CIS pirates, unstable carrier |
| DK2OM | 3501,1 | 2031 | 23 | 03 | CIS | | A3E | | | CIS pirates, unstable carrier, daily |
| DK2OM | 3501,5 | 1849 | 29 | 03 | CIS | | A3E | | | CIS pirates, unstable carrier |
| DK2OM | 3502,0 | 2050 | 07 | 03 | CIS | | A3E | | | CIS pirates, unstable carrier, talking and playing music |
| DK2OM | 3502,6 | 2016 | 10 | 03 | CIS | | A3E | | | CIS pirates, unstable carrier |
| DK2OM | 3503,5 | vt | dly | 03 | G | no ITU | FSK8 | 125 | 1750 | ALE – “XSS” “XPU” “XJR” – British MIL Tascomm – legal! |
| DK2OM | 3503,6 | 2127 | 01 | 03 | ISR | | PSK4 PSK8 | 75 2400 | 2400 2400 | hybrid modem – ISR Navy – PSK4 parallel and serial PSK8 - 2400 Bd, 3000 Hz shift |
| DK2OM | 3503,7 | 2053 | 07 | 03 | CIS | | A3E | | | CIS pirates, unstable carrier |
| DK2OM | 3504,0 | 2052 | 28 | 03 | UKR | | PSK2A | 12 | 2600 | AT3004D - Odessa |
| DK2OM | 3504,1 | 2016 | 08 | 03 | CIS | | A3E | | | CIS pirates, unstable carrier |
| DK2OM | 3505,0 | 2120 | 25 | 03 | CIS | | LSB | | | male persons in Russian voice |
| DK2OM | 3505,8 | 2046 | 18 | 03 | CIS | | A3E | | | CIS pirates, unstable carrier |
| DK2OM | 3505,9 | 2054 | 18 | 03 | CIS | | A3E | | | CIS pirates, unstable carrier |
| DK2OM | 3506,0 | 2100 | 18 | 03 | CIS | | A3E | | | CIS pirates, unstable carrier |
| DK2OM | 3507,0 | 2011 | 18 | 03 | CIS | | A3E | | | CIS pirates, unstable carrier |
| DK2OM | 3507,7 | 2027 | 17 | 03 | CIS | | A3E | | | CIS pirates, unstable carrier |
| DK2OM | 3509,0 | 2140 | 07 | 03 | CIS | | A3E | | | CIS pirates, unstable carrier |
| DK2OM | 3511,2 | 2046 | 07 | 03 | CIS | | A3E | | | CIS pirates, unstable carrier |
| DK2OM | 3513,5 | 2137 | 07 | 03 | CIS | | A3E | | | CIS pirates, unstable carrier |
| DK2OM | 3513,8 | 2104 | 18 | 03 | CIS | | A3E | | | CIS pirates, unstable carrier |
| DK2OM | 3514,0 | 1816 | 29 | 03 | RUS | | PSK4B | 120 | 2600 | AT3104D - Moscow |
| DK2OM | 3516,0 | 1740 | 04 | 03 | RUS | | F1B | 100 | 250 | Velikiye Luki – also: 26.03.2013 at 2141 utc |
| DK2OM | 3518,0 | 2248 | 27 | 03 | RUS | | PSK2 | 120 | 2600 | AT3004D – submode idle - Kaliningrad |
| DK2OM | 3520,0 | 2103 | 15 | 03 | RUS | | A3E | | | 2 women in Russian voice, Kaliningrad |
| DK2OM | 3520,0 | 1820 | 22 | 03 | RUS | | PSK2 | 120 | 2600 | AT3004D – Vologda |
| DK2OM | 3520,7 | 2017 | 08 | 03 | CIS | | A3E | | | CIS pirates, unstable carrier |
| DK2OM | 3521,1 | 2121 | 08 | 03 | | | A1A | | | encrypted msg, figures |
| DK2OM | 3521,5 | 2034 | 08 | 03 | CIS | | A3E | | | CIS pirates, unstable carrier |
| DK2OM | 3522,0 | 2003 | 11 | 03 | RUS | | PSK2A | 120 | 2600 | AT3004D – St. Peterburg |
| DK2OM | 3522,0 | 2235 | 26 | 03 | G | | PSK8 | 2400 | 2400 | Stanag4285 – 600 bps long - Rampisham |

| DK2OM | kHz | UTC | DD | MM | ITU | IDENT | MODE | BD | SH/SP | DETAILS |
|-------|--------|------|-----|----|-----|--------|------------|------|-------|---|
| DK2OM | 3523,8 | 2256 | 15 | 03 | CIS | | A3E | | | CIS pirates, unstable carrier |
| DK2OM | 3526,5 | vt | vd | 03 | I | | F1B | 300 | 850 | system Clansman – daily, various times – area of Naples – legal! |
| DK2OM | 3527,0 | 2012 | 06 | 03 | RUS | | F1B | 50 | 200 | Severomorsk – daily, often idle |
| DK2OM | 3530,0 | 2012 | 20 | 03 | UKR | | PSK2 | 120 | 2600 | AT3004D – modem and submode idle - area of Sevastopol |
| DK2OM | 3532,0 | 2117 | 01 | 03 | F | | PSK4 | 75 | 2400 | LINK11-CLEW on both sidebands (5800 Hz wide) – area of Brest – legal! |
| DK2OM | 3535,0 | 2115 | 15 | 03 | HOL | | USB | | | Dutch fishery, engine noise |
| DK2OM | 3535,0 | 1800 | 22 | 03 | E | | USB | | | Spanish fishery |
| DK2OM | 3538,0 | 1939 | 19 | 03 | UKR | | PSK2 | 120 | 2600 | AT3004D - Lvov |
| DK2OM | 3542,0 | 1632 | 20 | 03 | RUS | | PSK2 | 120 | 2600 | AT3004D – submode idle - Kaliningrad |
| DK2OM | 3548,0 | vt | vd | 03 | RUS | | F1B | 50 | 200 | Severomorsk – also: 21.02.2013 at 2250 utc |
| DK2OM | 3550,0 | 0600 | dly | 03 | F | | A3E | | | French amateurs not respecting the bandplans |
| DK2OM | 3550,0 | vt | vd | 03 | ALG | | FSK8 | 125 | 1750 | ALE, “IU50” “IU52” “FN50” |
| DK2OM | 3552,0 | 2102 | 04 | 03 | RUS | | F1B F1A | 50 | 250 | Severomorsk – F1B and CW with encrypted 5 figure groups |
| DK2OM | 3553,8 | ady | dly | 03 | TUR | | PSK8 | 2400 | 2400 | Stanag4285 – TUR MIL - Ankara |
| DK2OM | 3555,0 | 2125 | 25 | 03 | RUS | | FMCW | | 35k | OTHR – 43.5 sps – 3555 – 3590 kHz – Caucasian region, Makhachkala – also: 3745 – 3780 kHz – simultaneous |
| DK2OM | 3557,0 | 2116 | 01 | 03 | BLR | | F1B | 75 | 250 | North Belarus - daily |
| DK2OM | 3560,0 | 2024 | 07 | 03 | RUS | | FMCW | | 30k | OTHR – 43.5 sps – 3560 – 3590 kHz – Caucasian region – also: 3780 – 3810 kHz – simultaneous – also: 08.03.2013 at 1928 utc and 21.03.2013 at 1855 utc |
| DK2OM | 3560,5 | 1948 | 12 | 03 | CIS | | F1B | 40.5 | 250 | system”Frost 1” |
| DK2OM | 3564,0 | 2113 | 14 | 03 | UKR | | PSK2A | 120 | 2600 | AT3004D - Ukraine |
| DK2OM | 3565,5 | 2040 | 15 | 03 | RUS | | F1B | 100 | 200 | idle - Kaliningrad |
| DK2OM | 3567,5 | 2018 | 10 | 03 | G | | USB | | | UK fishery |
| DK2OM | 3582,0 | 2052 | 15 | 03 | RUS | | PSK2A | 120 | 2600 | AT3004D – St. Peterburg – digital HAM-traffic impossible |
| DK2OM | 3585,0 | 2011 | 14 | 03 | TWN | HLL | F1C | | | 120 rpm, IOC 576, Wxfax - daily legal! |
| DK2OM | 3587,0 | vt | vd | 03 | E | no ITU | FSK8 | 125 | 1750 | ALE, “TVV” “TXX” - Spanish Guardia Civil |
| DK2OM | 3593,8 | 2234 | 30 | 03 | RUS | P | A1A | | | Cluster beacon – Kaliningrad RUS Navy – “RMP” |
| DK2OM | 3594,0 | 2235 | 30 | 03 | RUS | C | A1A | | | Cluster beacon - Moscow RUS Navy - “RIW” |
| DK2OM | 3597,0 | 0840 | 30 | 03 | D | | PSK8 | 2400 | 2400 | Link11 SLEW |
| DK2OM | 3602,0 | 1725 | 21 | 03 | BLR | | F1B | 75 | 250 | Minsk |
| DK2OM | 3605,0 | 2036 | 14 | 03 | RUS | | FMCW | | 30k | OTHR – 43.5 sps – 3605 – 3635 kHz – Caucasian region – also: 3753 – 3783 kHz - simultaneous |
| DK2OM | 3605,5 | vt | vd | 03 | F | | F1B | 100 | 200 | area of Paris - daily |
| DK2OM | 3608,0 | 2028 | 23 | 03 | RUS | | F1B | 50 | 250 | Kaliningrad |
| DK2OM | 3610,0 | 1553 | 13 | 03 | RUS | | FMCW | | 30k | OTHR – 43.5 sps – 3610 – 3640 kHz – Caucasian region – also: 3755 – 3785 kHz - simultaneous |
| DK2OM | 3617,0 | vt | dly | 03 | HRV | 9A5EX | FSK8 | 125 | 1750 | ALE, “9A5EX” – HAM-ALE - just for info |
| DK2OM | 3622,5 | 1800 | dly | 03 | J | JMH | F1C | | | Tokyo Meteo – 120 rpm – IOC576 – daily, legal!!! |
| DK2OM | 3631,0 | 1950 | 12 | 03 | CIS | | F1B | 40.5 | 250 | system”Frost 1” |
| DK2OM | 3756,0 | ady | dly | 03 | UKR | | A3E | | | UKR – pip – 10 tones – radio navigation system – BRAS-2/RS-10 |
| DK2OM | 3760,0 | 1956 | 12 | 03 | RUS | | FMCW | | 30k | OTH radar 3760 – 3790 kHz – simultaneous – with 3855 – |

| DK2OM | kHz | UTC | DD | MM | ITU | IDENT | MODE | BD | SH/SP | DETAILS |
|-------|---------|------|-----|-----|-----|-----------|-------|------|-------|---|
| | | | | | | | | | | 3885 Caucasian area |
| DK2OM | 3761,5 | vt | vd | 03 | POL | | FSK8 | 125 | 1750 | ALE, "NI9" "PL7" "AB2" – Polish MIL |
| DK2OM | 3764,0 | 2050 | 06 | 03 | RUS | | FMCW | | 30k | OTHR – 43.5 sps – 3764 – 3794 kHz – Caucasian region – also: 3864 – 3894 kHz - simultaneous |
| DK2OM | 3782,0 | ady | dly | 03 | POR | CTP | F1B | 75 | 850 | POR Navy headquarter Lisbon – disturbed by Russian OTH radar on 11.03.2013 at 2100 utc |
| DK2OM | 3783,2 | 2133 | 11 | 03 | E | | USB | | | Spanish fishery |
| DK2OM | 3791,0 | 2058 | 06 | 03 | D | DK0ESD | FSK8 | 125 | 1750 | ALE, "DK0ESD" – just for info! |
| DK2OM | 7000,0 | ady | dly | 03 | INS | | U/LSB | | | Indonesian pirates in USB and LSB – every evening audible in Europe – at 1000 utc audible in West Canada |
| DK2OM | 7000,0 | 2100 | 02 | 03 | ISR | | NON | | | carrier, long lasting, since 18.02.2013 at 2000 utc – 7000.000 kHz |
| DK2OM | 7000,0 | 2027 | 20 | 03 | I | | LSB | | | Italian fellows |
| DK2OM | 7000,0 | 2032 | 05 | 03 | F | | FMCW | | 20k | French burst radar, 6 sps, similar Codar, South France – same as 14000 - every 15 min, daily. |
| DK2OM | 7000,0 | 1737 | 13 | 03 | I | | USB | | | Italian pirates on 6998.2 splattering up |
| DK2OM | 7000,0 | 2029 | 14 | 03 | CHN | | FMCW | | 88k | OTH radar – 28.6 sps – 6950 – 7038 including splatters |
| DK2OM | 7003,0 | 1440 | 18 | 03 | | | | | | frequency hopper |
| DK2OM | 7015,0 | 2320 | 13 | 03 | UKR | | F1B | 300 | 500 | Rivne |
| DK2OM | 7018,0 | 1645 | 22 | 03 | RUS | | PSK2A | 120 | 2600 | AT3004D - Smolensk |
| DK2OM | 7020,0 | 1531 | 12 | 03 | FEa | Lima Zero | LSB | | | Far East net in Italian and Indonesian language, not audible in Europe – only via remote Japan, Australia and California (USA) and South Africa – daily! "village radio" |
| DK2OM | 7022,0 | 1730 | 18 | 03 | RUS | | PSK2A | 120 | 2600 | AT3004D - Moscow |
| DK2OM | 7030,0 | 1148 | 14 | 03 | RUS | | PSK2A | 120 | 2600 | AT3004D – Far East Russia |
| DK2OM | 7032,0 | 2300 | 26 | 03 | RUS | | PSK2A | 120 | 2600 | AT3004D - Smolensk |
| DK2OM | 7038,7 | ady | dly | 03 | UKR | D | A1A | | | Cluster beacon – Sevastopol RUS Navy – "RCV" |
| DK2OM | 7038,8 | ady | dly | 03 | RUS | P | A1A | | | Cluster beacon – Kaliningrad RUS Navy – "RMP" |
| DK2OM | 7038,9 | ady | dly | 03 | RUS | S | A1A | | | Cluster beacon – Severomorsk RUS Navy – „RIT“ |
| DK2OM | 7039,0 | ady | dly | 03 | RUS | C | A1A | | | Cluster beacon - Moscow RUS Navy - "RIW" |
| DK2OM | 7039,1 | --- | --- | --- | KGZ | A | A1A | | | Cluster beacon – Bishkek RUS Navy – "RJH25" |
| DK2OM | 7039,2 | ady | dly | 03 | RUS | F | A1A | | | Cluster beacon - Vladivostok RUS Navy - "RJS" |
| DK2OM | 7039,3 | ady | dly | 03 | RUS | K | A1A | | | Cluster beacon - Petropavlovsk Kamchatskiy - RUS Navy - Pacific fleet - "RCC" |
| DK2OM | 7039,4 | ady | dly | 03 | RUS | M | A1A | | | Cluster beacon – Magadan RUS Navy – „RTS“ |
| DK2OM | 7039,95 | ady | dly | 03 | I | IZ3DVW | A1A | | | IZ3DVW – uncoordinated beacon, daily, all day |
| DK2OM | 7040,0 | vt | dly | 03 | F | F6BAZ | FSK8 | 125 | 1750 | ALE, "F6BAZ" – just for info |
| DK2OM | 7040,5 | vt | dly | 03 | HRV | | FSK8 | 125 | 1750 | ALE, "9A5EX" "9A0ALE" – just for info |
| DK2OM | 7049,5 | vt | dly | 03 | F | F4BXW | FSK8 | 1250 | 1750 | Amateur ALE, just for info! |
| DK2OM | 7054,0 | 1700 | 02 | 03 | RUS | | F1B | 50 | 200 | CIS50-50 - RUS Navy Moscow - daily |
| DK2OM | 7055,5 | 1715 | 20 | 03 | TUR | | FSK8 | 125 | 1750 | ALE, "145" "168" – NE of Turkey – area of Black Sea |
| DK2OM | 7070,0 | vt | vd | 03 | GEO | no ITU | FSK8 | 125 | 1750 | ALE, "MV" "244" "686" "334" "204" |

| DK2OM | kHz | UTC | DD | MM | ITU | IDENT | MODE | BD | SH/SP | DETAILS |
|-------|---------|------|--------|----|--------------|--------|--------------|------------|--------------|--|
| DK2OM | 7088,8 | vt | vt | 03 | S | SL0FRO | A1A | | | cw-trainee, Sweden – 7088.816 kHz – just for info! |
| DK2OM | 7089,8 | vt | vd | 03 | TUR | | PSK8 | 2400 | 2400 | Link11 - SLEW – aircraft – Turkish SE coast – area of Cyprus - daily |
| DK2OM | 7099,5 | vt | vd | 03 | HRV | 9A0ZG | FSK8 | 125 | 1750 | ALE, “9A0ZG” “9A5EX” – just for info! |
| DK2OM | 7102,0 | vt | vd | 03 | HRV | 9A0ALE | FSK8 | 125 | 1750 | ALE, “9A0ALE” – just for info |
| DK2OM | 7105,0 | 2240 | 15 | 03 | TWN CHN | | A3E | | | Sound of Hope – Taiwan and Chinese music jammer - daily |
| DK2OM | 7105,0 | vt | dly | 03 | TUN | | A3E | | | RTV Tunisia - intermodulation |
| DK2OM | 7110,0 | vt | dly | 03 | BRM | | A3E | | 9k | Radio Myanmar |
| DK2OM | 7120,0 | 1713 | 01 | 03 | SOM | | A3E | | 9k | Radio Hargaysa Somalia, daily |
| DK2OM | 7142,0 | 0810 | 28 | 03 | RUS | | F1B | 75 | 250 | Kaliningrad |
| DK2OM | 7170,0 | 2135 | 18 | 03 | CHN | | FMCW | | 10k | OTH Radar China – 66.7 sps |
| DK2OM | 7175,0 | 1737 | 03 | 03 | ERI | | A3E | | | Radio Eritrea - daily |
| DK2OM | 7178,0 | 1734 | 18 | 03 | RUS | | PSK2A | 120 | 2600 | AT3004D - Samara |
| DK2OM | 7178,0 | 2100 | 20 | 03 | RUS | | PSK2 | 120 | 2600 | AT3004D – idle - Severomorsk |
| DK2OM | 7185,0 | 1712 | 01 | 03 | ERI ETH | | A3E | | | Radio Ethiopia disturbing Radio Eritrea by white noise - daily |
| DK2OM | 7185,5 | 1806 | 03 | 03 | D/ HRV | | FSK8 | 125 | 1750 | ALE, “9A5EX” “DK0ESD” just for info - daily |
| DK2OM | 7198,0 | 2145 | 20 | 03 | RUS | | PSK2 | 120 | 2600 | AT3004D – idle - Smolensk |
| DK2OM | 10112,0 | ady | dly | 03 | TUR | | PSK8 | 2400 | 2400 | Stanag4285 – 600 bps long – TUR MIL - Izmir |
| DK2OM | 10113,0 | 0825 | 28 | 03 | TUN | no ITU | FSK8 | 125 | 1750 | ALE, “TUD” |
| DK2OM | 10114,8 | vt | dly | 03 | RUS | | F1B | 100 | 1000 | CIS14 – Penza - daily |
| DK2OM | 10115,0 | 1030 | 28 | 03 | RUS | | F1B | 50 | 200 | Moscow |
| DK2OM | 10117,0 | 0805 | 25 | 03 | RUS | | PSK2A | 120 | 2600 | AT3004D - Moscow |
| DK2OM | 10120,0 | 1500 | 20 | 03 | | | USB | | | unid pirates |
| DK2OM | 10125,0 | vt | vd | 03 | CHN | | FSK8 | 125 | 1750 | ALE, “277” “278” – China |
| DK2OM | 10127,5 | 1440 | 24 | 03 | CHN | | OFDM | 60 | 2350 | Chinese OFDM32 burst modem – vy strong reception at USA westcoast and Japan |
| DK2OM | 10129,1 | 1722 | 08 | 03 | | | USB | | | unknown language |
| DK2OM | 10130,0 | vt | dly | 03 | | | FSK8 | 125 | 1750 | Thales 3000 |
| DK2OM | 10130,0 | 1626 | 05 | 03 | INS? | | USB | | | Indonesian pirates |
| DK2OM | 10130,0 | 1630 | 05 | 03 | CHN | | PSK FSK | | 9k | Chinese multitone, also audible in Finland – also: 11.03.2013 |
| DK2OM | 10136,0 | 2037 | 05 | 03 | RUS | | F1B | 50 | 200 | Far East Russia |
| DK2OM | 10145,5 | 1530 | 04 | 03 | HRV S / D | 9A5EX | FSK8 | 125 | 1750 | ALE, “9A5EX” “SM5VRH” “DK0ESD” - just for info |
| DK2OM | 10150,0 | 0759 | 07 | 03 | E | | USB | | | Spanish fishery |
| DK2OM | 13999,0 | 0758 | 06 | 03 | RUS | | PSK2A | 120 | 2600 | AT3004D - pilottone on 14000.300 kHz - Moscow |
| DK2OM | 14000,0 | 1706 | 04 | 03 | ISR | | N0N | | | carrier – 14000.00 kHz - Israel |
| DK2OM | 14000,0 | 1929 | 09 | 03 | E | | F3E | | | Spanish pirates in FM |
| DK2OM | 14000,0 | 1715 | 13 | 03 | FEa | | USB | | | Far East pirates |
| DK2OM | 14001,5 | 0740 | 21 | 03 | RUS | | F1B | 600 | 600 | data packets – DPRK-FSK 600 variant? – south of Moscow |
| DK2OM | 14001,8 | 0755 | 26 | 03 | ISR | | PSK4 PSK8 | 75 2400 | 3000 2400 | hybrid modem – ISR Navy – PSK4 parallel and serial PSK8 - 2400 Bd, 3000 Hz shift |
| DK2OM | 14003,0 | 1021 | 06 | 03 | | | | | | frequency hopper |
| DK2OM | 14008,0 | 0829 | 28 | 03 | RUS | | F1B | 50 | 250 | Moscow |
| DK2OM | 14026,0 | 0906 | 20 | 03 | RUS | | PSK2A | 120 | 2600 | AT3004D – Velikiye Luki submode idle and traffic |
| DK2OM | 14052,0 | 0802 | 07 | 03 | RUS | | PSK2A | 120 | 2600 | AT3004D – idle and traffic – area of Novosibirsk |
| DK2OM | 14060,0 | 1000 | Sunday | 03 | ROU | RRI | A3E | | | Radio Romania, IM from 17780 and 21500 kHz – 2 x 17780 = 35560 – 21500 = 14060 kHz every Sunday from 1000 – 1100 utc |
| DK2OM | 14060,0 | 1218 | 11 | 03 | ISR | | FSK8 | 125 | 1750 | ALE, “AAA” - Israel |
| DK2OM | 14109,0 | vt | vd | 03 | ISR | 4X1 | FSK8 | 125 | 1750 | ALE, “4X1” “CT2IXQ” – just for info! |
| DK2OM | 14169,0 | 0705 | 25 | 03 | RUS | | F1B | 50 | 200 | Velikiye Luki |

| DK2OM | kHz | UTC | DD | MM | ITU | IDENT | MODE | BD | SH/SP | DETAILS |
|-------|---------|------|---------|----|-----------------|-------|-------|------|-------|--|
| DK2OM | 14173,0 | 1520 | 29 | 03 | | | PSK2 | 120 | 2600 | AT3004D - |
| DK2OM | 14192,0 | 0837 | 23 | 03 | RUS | | F1B | 50 | 200 | RUS Navy Kaliningrad – often daily |
| DK2OM | 14226,0 | 0752 | 03 | 03 | RUS | | F1B | 75 | 250 | area of Moscow |
| DK2OM | 14239,3 | 0738 | 20 | 03 | CHN | | PSK4 | 75 | 2250 | 8 x 75 Bd PSK4 – idle and traffic |
| DK2OM | 14253,0 | 0704 | 11 | 03 | RUS | | F1B | 75 | 250 | Penza – also: 25.03.13 at 0720 utc |
| DK2OM | 14255,0 | 0910 | 12 | 03 | RUS | | PSK2A | 120 | 2600 | AT3004D - Penza |
| DK2OM | 14263,0 | 0820 | 17 | 03 | RUS | | F1B | 75 | 250 | Penza |
| DK2OM | 14265,0 | 1150 | 15 | 03 | TUR | | FSK8 | 125 | 1750 | ALE, “526” |
| DK2OM | 14280,0 | 1000 | Wed day | 03 | UKR | | A3E | | | Ukraine secret service SZRU – female voice spelling encrypted msgs – every Wednesday |
| DK2OM | 14295,1 | ady | dly | 03 | TJK | | A3E | | | 3 rd from Radio Tajik on 4765 kHz |
| DK2OM | 14300,0 | 0747 | 20 | 03 | | | FMCW | | 30k | unid Codar like Radar – 2 sps – 14300 – 14330 kHz |
| DK2OM | 14340,0 | 0840 | 29 | 03 | RUS | | PSK2A | 120 | 2600 | AT3004D – traffic and submode idle – long lasting – Far East Russia |
| DK2OM | 14346,0 | 1232 | 01 | 03 | HRV RUS D | | FSK8 | 125 | 1750 | ALE, “9A0ZG” “RX3ARZ” “DK0ESD” – just for info |
| DK2OM | 18100,0 | 1535 | 28 | 03 | CYP | | FMCW | | 20k | OTH Radar Cyprus – 50 sps |
| DK2OM | 18107,0 | 0834 | 01 | 03 | RUS | | F1B | 50 | 200 | Moscow – idle and traffic |
| DK2OM | 18110,0 | 1550 | 28 | 03 | | | | | | frequency hopper |
| DK2OM | 21000,0 | 1650 | 21 | 03 | INS | | USB | | | Indonesian pirates |
| DK2OM | 21000,0 | 0903 | 01 | 03 | | | USB | | | 2 fellows in English voice |
| DK2OM | 21000,0 | 1646 | 20 | 03 | | | USB | | | unid pirates, 120 deg from DL, |
| DK2OM | 21000,0 | 1845 | 31 | 03 | B | | USB | | | Brazilian pirates – Rio de Janeiro with North Brazil |
| DK2OM | 21000,5 | 1415 | 31 | 03 | AF | | PSK8 | 2400 | 2400 | MIL-188-110A – Horn of Africa |
| DK2OM | 21001,5 | ady | dly | 03 | RUS | | F1B | 100 | 150 | vocoder Yakhta inband synchro – Nizhny Tagil – daily since March 1 st |
| DK2OM | 21002,1 | vt | vd | 03 | SDN | | F1B | 100 | 170 | Pactor 1 encrypted – MFA Sudan – Khartoum with emba Yemen - daily |
| DK2OM | 21005,0 | 0756 | 18 | 03 | IRN | | A3E | | | BC, spurious from Radio Tehran on 21500 kHz |
| DK2OM | 21059,0 | 1633 | 14 | 03 | | | | | | frequency hopper |
| DK2OM | 21060,0 | 0756 | 18 | 03 | IRN | | A3E | | | BC, spurious from Radio Tehran on 21500 kHz |
| DK2OM | 21070,0 | 1145 | 28 | 03 | CYP | | FMCW | | 20k | OTH Radar Cyprus – 50 sps |
| DK2OM | 21100,0 | 1505 | 04 | 03 | ? | | USB | | | unid pirates from south east |
| DK2OM | 21105,0 | 1540 | 14 | 03 | | | OFDM | | 5k | north east from DL |
| DK2OM | 21115,0 | 0756 | 18 | 03 | IRN | | A3E | | | BC, spurious from Radio Tehran on 21500 kHz |
| DK2OM | 21120,0 | 1140 | 27 | 03 | RUS | | F1B | 100 | 1500 | harmonic from 3520 kHz (250 Hz shift) – area of Moscow |
| DK2OM | 21123,3 | 1057 | 19 | 03 | CHN | | PSK4 | 75 | 2250 | PRC4+4 - 8 x 75 Bd PSK4 - traffic |
| DK2OM | 21145,0 | vt | dly | 03 | MRC | | FSK8 | 125 | 1750 | ALE, “B301”, “C3”, “IR4” “T4” “E4” “A2” “CD” “K3” |
| DK2OM | 21170,0 | 0755 | 18 | 03 | IRN | | A3E | | | BC, spurious from Radio Tehran on 21500 kHz |
| DK2OM | 21170,0 | 0806 | 31 | 03 | TUR | | FMCW | | 20k | OTH Radar NW-Turkey – 50 sps |
| DK2OM | 21190,0 | 0700 | 12 | 03 | RUS | | F1B | 100 | 1000 | Ivanovo – harmonic from 10595 |
| DK2OM | 21225,0 | 0757 | 18 | 03 | IRN | | A3E | | | BC, spurious from Radio Tehran on 21500 kHz |
| DK2OM | 21256,0 | 0958 | 27 | 03 | RUS | | F1B | 75 | 1000 | harmonic from 10628.0 - Kaliningrad |
| DK2OM | 21260,0 | 1104 | 26 | 03 | CYP | | FMCW | | 20k | OTH Radar Cyprus – 50 sps |
| DK2OM | 21280,0 | 0802 | 18 | 03 | IRN | | A3E | | | BC, spurious from Radio Tehran on 21500 kHz |
| DK2OM | 21280,0 | 0840 | 12 | 03 | CYP | | FMCW | | 20k | OTH Radar Cyprus – 50 sps |
| DK2OM | 21330,0 | 1431 | 14 | 03 | CYP | | FMCW | | 20k | OTH Radar Cyprus – 50 sps |
| DK2OM | 21335,0 | 0754 | 18 | 03 | IRN | | A3E | | | BC, spurious from Radio |

| DK2OM | kHz | UTC | DD | MM | ITU | IDENT | MODE | BD | SH/SP | DETAILS |
|-------|----------------|-------------|------------|-----------|------------|-------|------------|------|-------|---|
| | | | | | | | | | | Tehran on 21500 kHz |
| DK2OM | 21347,0 | 1015 | 12 | 03 | CHN | | FMCW | | 10k | Chinese OTH radar, 66.6 sps |
| DK2OM | 21375,0 | 0749 | 18 | 03 | | | FMCW | | 10k | 47.6 sps – 5.3sec bursts |
| DK2OM | 21375,0 | 0750 | 18 | 03 | CHN | | FMCW | | 10k | OTH Radar China – 47.6 sps |
| DK2OM | 21390,0 | 0803 | 18 | 03 | IRN | | A3E | | | BC, spurious from Radio Tehran on 21500 kHz |
| DK2OM | 21424,0 | 1512 | 01 | 03 | RUS | | F1B | 50 | 400 | harmonic from 10712 kHz (200 Hz shift) – Kazan - daily |
| DK2OM | 21433,5 | 1037 | 27 | 03 | CHN | | PSK4 | 75 | 2250 | PRC4+4 - 8 x 75 Bd PSK4 – traffic and idle |
| DK2OM | 21438,0 | vt | dly | 03 | UKR | RCV | A1A | | | RIP90 de RCV - RUS Navy Sevastopol |
| DK2OM | 21440,8 | 1020 | 27 | 03 | KOS | | PSK8 | 2400 | 2400 | MIL-188-141B? – area of Kosovo |
| DK2OM | 21445,0 | 0753 | 18 | 03 | IRN | | A3E | | | BC, spurious from Radio Tehran on 21500 kHz – first time heard on Oct. 1st 2012 - no change in March. 2013 – daily! |
| DK2OM | 21450,0 | 1300 | 11 | 03 | E | | noise | | 640k | pulsing white noise from 21525 kHz – east of Madrid |
| DK2OM | 24890,0 | 1020 | 11 | 03 | TUR | | FMCW | | 20k | OTH Radar NW-Turkey – 50 sps |
| DK2OM | 24902,0 | 0816 | 03 | 03 | | | | | | frequency hopper |
| DK2OM | 24935,0 | 1509 | 13 | 03 | | | | | | frequency hopper |
| DK2OM | 25000,0 | 0919 | 13 | 03 | FIN | | A3E | | | time signal Helsinki – just for info – carrier on 25000 – dots on 25001 and 24999 – daily, all day |
| DK2OM | 28000,0 | vt | dly | 03 | B | | A3E | | | 28000 – 28325 numerous Brazilian CBers |
| DK2OM | 28000,0 | vt | dly | 03 | CIS | | F3E | | | 28000 – 29700 numerous CIS taxi nets |
| DK2OM | 28000,0 | 1900 | 10 | 03 | | | USB | | | pirates in Portuguese voice |
| DK2OM | 28000,0 | 0845 | 30 | 03 | ARS | | USB | | | pirates in Arabic voice – daily, all day – Saudi Arabia |
| DK2OM | 28005,0 | 1820 | 14 | 03 | B | | A3E | | | Brazilian CBers |
| DK2OM | 28010,0 | 1030 | 22 | 03 | | | | | | frequency hopper |
| DK2OM | 28015,0 | 1759 | 11 | 03 | B | | A3E | | | Brazilian CBers |
| DK2OM | 28025,0 | 1806 | 06 | 03 | B | | A3E | | | Brazilian CBers |
| DK2OM | 28025,3 | ady | dly | 03 | | | F1B | 51 | 300 | F1B bursts - west of Lisbon |
| DK2OM | 28030,1 | 1555 | 07 | 03 | POR | | F1B | 51 | 250 | F1B bursts – west of Lisbon |
| DK2OM | 28035,0 | 1802 | 02 | 03 | B | | A3E | | | Brazilian CBers |
| DK2OM | 28040,1 | 1843 | 14 | 03 | POR | | F1B | 51 | 320 | F1B bursts – west of Lisbon |
| DK2OM | 28044,0 | 1639 | 02 | 03 | B | | USB | | | Brazilian CBers |
| DK2OM | 28045,0 | ady | dly | 03 | POR | | F1B | 51 | 320 | F1B bursts - west of Lisbon |
| DK2OM | 28045,0 | 1823 | 14 | 03 | B | | A3E | | | Brazilian CBers |
| DK2OM | 28045,0 | 1449 | 15 | 03 | | | | | | frequency hopper |
| DK2OM | 28049,5 | 1850 | 14 | 03 | POR | | F1B | 51 | 320 | F1B bursts – west of Lisbon |
| DK2OM | 28055,0 | 1634 | 02 | 03 | B | | A3E | | | Brazilian CBers |
| DK2OM | 28055,0 | 1215 | 13 | 03 | FEa | | F3E | | | Far East pirates |
| DK2OM | 28055,0 | 1425 | 27 | 03 | FEa | | A3E | | | Far East pirates |
| DK2OM | 28065,0 | 1744 | 02 | 03 | B | | A3E | | | Brazilian CBers |
| DK2OM | 28070,0 | 1528 | 07 | 03 | IRN | | FMCW | | 60k | OTH Radar – 307 and 870 sps - jumping |
| DK2OM | 28075,0 | 0902 | 06 | 03 | IRN | | FMCW | | 60k | OTH Radar – 307 and 870 sps |
| DK2OM | 28075,0 | 1800 | 11 | 03 | B | | A3E | | | Brazilian CBers |
| DK2OM | 28085,0 | 1527 | 07 | 03 | IRN | | FMCW | | 60k | OTH Radar – 307 and 870 sps |
| DK2OM | 28085,0 | 1837 | 14 | 03 | B | | A3E | | | Brazilian CBers |
| DK2OM | 28090,0 | 1522 | 07 | 03 | IRN | | FMCW | | 60k | OTH Radar – 307 and 870 sps - jumping |
| DK2OM | 28095,0 | 1633 | 02 | 03 | B | | A3E | | | Brazilian CBers |
| DK2OM | 28095,0 | 1126 | 07 | 03 | | | F3E | | | unid burst system - |
| DK2OM | 28100,0 | ady | dly | 03 | POR | | F1B | 51 | 320 | F1B bursts - 28100.010 kHz - west of Lisbon |
| DK2OM | 28100,1 | ady | dly | 03 | POR | | F1B | 51 | 320 | F1B bursts - 28100.100 kHz - west of Lisbon |
| DK2OM | 28100,2 | ady | dly | 03 | POR | | F1B | 51 | 320 | F1B bursts - 28100.160 kHz - west of Lisbon |
| DK2OM | 28100,8 | ady | dly | 03 | POR | | F1B | 51 | 320 | F1B bursts - 28100.800 kHz - west of Lisbon |

| DK2OM | kHz | UTC | DD | MM | ITU | IDENT | MODE | BD | SH/SP | DETAILS |
|-------|----------------|-------------|-----------|-----------|------------|-------|------------|------|-------|---|
| DK2OM | 28102,0 | ady | dly | 03 | POR | | F1B | 51 | 320 | F1B bursts – 28102.000 kHz - west of Lisbon |
| DK2OM | 28105,0 | 1743 | 02 | 03 | B | | A3E | | | Brazilian CBers |
| DK2OM | 28115,0 | 1139 | 06 | 03 | RUS | | F3E | | | taxi net– area of Moscow – Oleg is called by a woman – daily, all day – very busy net |
| DK2OM | 28115,0 | 1746 | 02 | 03 | B | | A3E | | | Brazilian CBers |
| DK2OM | 28120,0 | 0718 | 05 | 03 | | | | | | frequency hopper |
| DK2OM | 28125,0 | vt | vd | 03 | POR | | F1B | 51 | 300 | F1B bursts – 28125.0 kHz - west of Lisbon |
| DK2OM | 28145,0 | 1456 | 09 | 03 | B | | A3E | | | Brazilian CBers |
| DK2OM | 28145,0 | vt | dly | 03 | RUS | | F3E | | | taxi - Caucasus |
| DK2OM | 28149,2 | 0926 | 15 | 03 | SEN | | F1B | 1200 | 1200 | DPRK-FSK 1200 – (28149.160 kHz) – KRE emba Dakar |
| DK2OM | 28152,0 | 0925 | 13 | 03 | RUS | | F1B | 1200 | 800 | unid system - Far East Russia |
| DK2OM | 28155,0 | 1213 | 20 | 03 | | | | | | frequency hopper |
| DK2OM | 28165,0 | 1802 | 06 | 03 | B | | A3E | | | Brazilian CBers |
| DK2OM | 28170,0 | 1452 | 08 | 03 | IRN | | FMCW | | 60k | OTH Radar – 307 and 870 sps |
| DK2OM | 28175,0 | 1641 | 02 | 03 | B | | A3E | | | Brazilian CBers |
| DK2OM | 28185,0 | 1757 | 02 | 03 | B | | A3E | | | Brazilian CBers |
| DK2OM | 28195,0 | 1457 | 09 | 03 | B | | A3E | | | Brazilian CBers |
| DK2OM | 28195,0 | 1424 | 27 | 03 | FEa | | A3E | | | Far East pirates |
| DK2OM | 28200,0 | 1454 | 08 | 03 | IRN | | FMCW | | 60k | OTH Radar – 307 and 870 sps |
| DK2OM | 28200,0 | 1455 | 08 | 03 | IRN | | FMCW | | 60k | OTH Radar – 307 and 870 sps |
| DK2OM | 28200,0 | ady | dly | 03 | POR | | F1B | 51 | 320 | F1B bursts - west of Lisbon |
| DK2OM | 28200,0 | 0932 | 15 | 03 | FEa | | F3E | | | Far East pirates |
| DK2OM | 28205,0 | 1756 | 02 | 03 | B | | A3E | | | Brazilian CBers |
| DK2OM | 28205,4 | 0830 | 01 | 03 | CIS | | A3E | | | CIS pirates, unstable carrier |
| DK2OM | 28210,0 | vt | dly | 03 | UKR | | F3E | | | taxi - Dnepropetrovsk |
| DK2OM | 28215,0 | 1818 | 15 | 03 | B | | A3E | | | Brazilian CBers |
| DK2OM | 28220,0 | 1522 | 07 | 03 | IRN | | FMCW | | 60k | OTH Radar – 870 sps |
| DK2OM | 28220,0 | 1450 | 08 | 03 | IRN | | FMCW | | 60k | OTH Radar – 307 and 870 sps |
| DK2OM | 28225,0 | 1822 | 15 | 03 | B | | A3E | | | Brazilian CBers |
| DK2OM | 28225,0 | 1529 | 17 | 03 | E | | F3E | | | Spanish CBers |
| DK2OM | 28230,0 | 1053 | 11 | 03 | CYP | | FMCW | | 20k | OTH Radar Cyprus – 50 sps |
| DK2OM | 28230,0 | 1040 | 11 | 03 | TUR | | FMCW | | 20k | OTH Radar SE -Turkey – 50 sps |
| DK2OM | 28235,0 | 1834 | 14 | 03 | B | | A3E | | | Brazilian CBers |
| DK2OM | 28255,0 | vt | dly | 03 | KAZ | | F3E | | | taxi – Almaty |
| DK2OM | 28255,0 | 1803 | 06 | 03 | B | | A3E | | | Brazilian CBers |
| DK2OM | 28265,0 | ady | dly | 03 | RUS | | F3E | | | taxi net, area of Moscow - daily |
| DK2OM | 28265,0 | 1740 | 02 | 03 | B | | A3E | | | Brazilian CBers |
| DK2OM | 28265,0 | 1122 | 07 | 03 | IRN | | FMCW | | 60k | OTH Radar – 307 and 870 sps |
| DK2OM | 28275,0 | vt | dly | 03 | POR | | F1B | 51 | 270 | F1B bursts – 28275.040 kHz - west of Lisbon |
| DK2OM | 28275,0 | ady | dly | 03 | RUS | | F3E | | | taxi net, area of Moscow - daily |
| DK2OM | 28275,0 | 1549 | 07 | 03 | B | | A3E | | | Brazilian CBers |
| DK2OM | 28275,0 | 0735 | 08 | 03 | E | | A3E | | | Spanish CBers, girl and boy |
| DK2OM | 28275,0 | 1029 | 11 | 03 | FEa | | F3E | | | Far East pirates |
| DK2OM | 28275,0 | 1423 | 27 | 03 | FEa | | A3E | | | Far East pirates |
| DK2OM | 28285,0 | vt | dly | 03 | RUS | | F3E | | | taxi – Rostov na Donu |
| DK2OM | 28285,0 | 0740 | 08 | 03 | E | | A3E | | | Spanish CBers, girl and boy |
| DK2OM | 28287,0 | 1525 | 07 | 03 | IRN | | FMCW | | 60k | OTH Radar – 307 and 870 sps |
| DK2OM | 28290,0 | 1528 | 07 | 03 | IRN | | FMCW | | 60k | OTH Radar – 307 sps |
| DK2OM | 28295,0 | 1741 | 02 | 03 | B | | A3E USB | | | Brazilian CBers |
| DK2OM | 28305,0 | vt | dly | 03 | RUS | | F3E | | | taxi - Krasnodar |
| DK2OM | 28305,0 | 1636 | 02 | 03 | B | | A3E | | | Brazilian CBers |
| DK2OM | 28315,0 | 1755 | 02 | 03 | B | | A3E | | | Brazilian CBers |
| DK2OM | 28325,0 | 0743 | 08 | 03 | E | | A3E | | | Spanish CBers, girl and boy |
| DK2OM | 28342,0 | 1544 | 07 | 03 | | | | | | frequency hopper |
| DK2OM | 28365,0 | vt | dly | 03 | RUS | | F3E | | | taxi net, area of Moscow - daily |
| DK2OM | 28390,0 | vt | dly | 03 | RUS | | F3E | | | taxi - Vladikavkaz |
| DK2OM | 28400,0 | 0823 | 18 | 03 | CYP | | FMCW | | 20k | OTH Radar Cyprus – 50 sps |
| DK2OM | 28425,0 | 1420 | 27 | 03 | FEa | | A3E | | | Far East pirates |
| DK2OM | 28440,0 | 1531 | 07 | 03 | IRN | | FMCW | | 60k | OTH Radar – 307 sps |
| DK2OM | 28445,0 | 1533 | 07 | 03 | IRN | | FMCW | | 60k | OTH Radar – 307 sps (5.9 sec) - and 870 sps (3.2 sec) – |

| DK2OM | kHz | UTC | DD | MM | ITU | IDENT | MODE | BD | SH/SP | DETAILS |
|-------|---------|------|-----|----|-----|-------|------|------|-------|---|
| | | | | | | | | | | splattering 28150 – 28750 kHz |
| DK2OM | 28455,0 | 0905 | 27 | 03 | IRN | | FMCW | | 60k | OTH Radar – 307 and 870 sps |
| DK2OM | 28460,0 | 0905 | 06 | 03 | IRN | | FMCW | | 60k | OTH Radar – 307 sps |
| DK2OM | 28480,0 | 1449 | 08 | 03 | IRN | | FMCW | | 60k | OTH Radar – 307 and 870 sps |
| DK2OM | 28495,0 | 1534 | 07 | 03 | IRN | | FMCW | | 60k | OTH Radar – 307 sps |
| DK2OM | 28505,0 | 1121 | 07 | 03 | IRN | | FMCW | | 60k | OTH Radar – 307 sps |
| DK2OM | 28525,0 | 1530 | 07 | 03 | IRN | | FMCW | | 60k | OTH Radar – 307 and 870 sps |
| DK2OM | 28540,0 | 0734 | 09 | 03 | IRN | | FMCW | | 60k | OTH Radar – 307 and 870 sps |
| DK2OM | 28560,0 | 1451 | 08 | 03 | IRN | | FMCW | | 60k | OTH Radar – 307 and 870 sps |
| DK2OM | 28580,0 | 1456 | 08 | 03 | IRN | | FMCW | | 60k | OTH Radar – 307 and 870 sps |
| DK2OM | 28600,0 | 0857 | 06 | 03 | IRN | | FMCW | | 60k | OTH Radar – 307 and 870 sps |
| DK2OM | 28635,0 | 0755 | 15 | 03 | IRN | | FMCW | | 60k | OTH Radar – 307 and 870 sps |
| DK2OM | 28640,0 | 1051 | 08 | 03 | IRN | | FMCW | | 60k | OTH Radar – 870 sps - jumping |
| DK2OM | 28650,0 | 1532 | 07 | 03 | IRN | | FMCW | | 60k | OTH Radar – 307 and 870 sps |
| DK2OM | 28695,0 | vt | dly | 03 | RUS | | F3E | | | taxi net, area of Moscow - daily |
| DK2OM | 28700,0 | 1126 | 17 | 03 | IRN | | FMCW | | 60k | OTH Radar – 307 and 870 sps |
| DK2OM | 28705,0 | 0800 | 31 | 03 | IRN | | FMCW | | 60k | OTH Radar – 307 and 870 sps |
| DK2OM | 28825,0 | vt | dly | 03 | UKR | | F3E | | | taxi - Odessa |
| DK2OM | 28850,0 | 1050 | 08 | 03 | IRN | | FMCW | | 60k | OTH Radar – 307 sps - jumping |
| DK2OM | 28865,0 | 1644 | 19 | 02 | RUS | | F3E | | | taxi - area of Moscow – male and female – daily, all day |
| DK2OM | 28895,0 | vt | dly | 03 | RUS | | F3E | | | taxi - Stavropol |
| DK2OM | 28945,0 | vt | dly | 03 | UKR | | F3E | | | taxi - Donetsk |
| DK2OM | 28963,0 | 0905 | 27 | 03 | IRN | | FMCW | | 60k | OTH Radar – 307 and 870 sps |
| DK2OM | 28970,0 | 0904 | 06 | 03 | IRN | | FMCW | | 60k | OTH Radar – 307 sps |
| DK2OM | 29055,0 | vt | dly | 03 | RUS | | F3E | | | taxi Stavropol |
| DK2OM | 29100,0 | 0910 | 06 | 03 | IRN | | FMCW | | 60k | OTH Radar – 870 sps |
| DK2OM | 29110,0 | 0858 | 06 | 03 | IRN | | FMCW | | 60 | OTH Radar – 307 and 870 sps |
| DK2OM | 29150,0 | 0905 | 06 | 03 | IRN | | FMCW | | 60k | OTH Radar – 307 and 870 sps |
| DK2OM | 29170,0 | 0906 | 06 | 03 | IRN | | FMCW | | 60k | OTH Radar – 307 sps |
| DK2OM | 29175,0 | 0853 | 10 | 03 | | | | | | frequency hopper |
| DK2OM | 29250,0 | 0900 | 06 | 03 | IRN | | FMCW | | 60k | OTH Radar – 307 and 870 sps |
| DK2OM | 29250,0 | 0756 | 10 | 03 | E | | F1B | 81.9 | 140 | Datawell-buoy “Waverider” – 29249.907 kHz – Fuerteventura - daily, all day |
| DK2OM | 29290,0 | 1047 | 04 | 03 | CYP | | FMCW | | 20k | OTH Radar Cyprus – 50 sps |
| DK2OM | 29360,0 | 0907 | 06 | 03 | IRN | | FMCW | | 60k | OTH Radar – 307 and 870 sps |
| DK2OM | 29370,0 | 0909 | 06 | 03 | IRN | | FMCW | | 60k | OTH Radar – 307 sps |
| DK2OM | 29375,0 | 1446 | 09 | 03 | I | | F1B | 81.9 | 140 | Datawell-buoy “Waverider” – 29374.898 kHz – Galatone, South Italy - daily, all day |
| DK2OM | 29387,5 | 1145 | 09 | 03 | IND | | F1B | 81.9 | 140 | Datawell-buoy “Waverider” – 29387,463 kHz – Indian NW coast, close to Pakistan - daily, all day |
| DK2OM | 29450,0 | 1003 | 08 | 03 | MRC | | F1B | 81.9 | 140 | Datawell-buoy “Waverider” – 29449.963 kHz - area of El Aaiun – Morocco - daily, all day |
| DK2OM | 29500,0 | ady | dly | 03 | G | | F1B | 81.9 | 140 | Datawell-buoy “Waverider” – area of Gibraltar – daily, all day |
| DK2OM | 29525,0 | 1751 | 02 | 03 | MRC | | F1B | 81,9 | 140 | Datawell-buoy “Waverider” – 29524.990 kHz - Agadir - Morocco – daily, all day |
| DK2OM | 29555,0 | 1747 | 22 | 03 | RUS | | F3E | | | taxi - area of Moscow - daily |
| DK2OM | 29575,0 | 1205 | 06 | 03 | RUS | | F3E | | | taxi - area of Moscow – male and female – very active - daily, all day |
| DK2OM | 29605,0 | 1032 | 11 | 03 | | | | | | frequency hopper |
| DK2OM | 29660,0 | 0859 | 13 | 03 | RUS | | F1B | 44.6 | 1000 | harmonic from 14830.0 (500 Hz shift) – Krasnoyarsk |

MRASZ – Hungary - HA7PL (Laci)

| SOC | kHz | UTC | DD | MM | ITU | IDENT | MODE | BD | SH | DETAILS |
|-------|---------|------|-----|----|-----|-----------------------|-------|-----|----------|--------------------------------------|
| MRASZ | 3505,0 | 1908 | 9 | 3 | | | A3E | | | music |
| MRASZ | 3505,0 | 2041 | 24 | 3 | | | LSB | | | russian m. „1,2,3,4,5,6,7,8,9,10” |
| MRASZ | 3508,5 | 1940 | 14 | 3 | | | A2A | | | 5 figs, very slow |
| MRASZ | 3520,0 | 1805 | 9 | 3 | | | USB | | | russian |
| MRASZ | 3520,0 | 1904 | 9 | 3 | | | USB | | | russian female |
| MRASZ | 3526,0 | 1904 | 11 | 3 | | | N0N | | | |
| MRASZ | 3535,0 | 1904 | 11 | 3 | | | N0N | | | |
| MRASZ | 3545,0 | 1908 | 11 | 3 | | | USB | | | russian female |
| MRASZ | 3555,0 | 2148 | 28 | 3 | RUS | | FMCW | | 35k | OTHR 3555-3590 kHz |
| MRASZ | 3575,0 | 2148 | 28 | 3 | RUS | | FMCW | | 35k | OTHR 3750-3785 kHz |
| MRASZ | 7000,0 | 1919 | 14 | 3 | | | USB | | | unidentified language |
| MRASZ | 7000,1 | 1700 | 26 | 3 | I | | LSB | | | italian male's |
| MRASZ | 7000,2 | 1800 | 23 | 3 | | | LSB | | | italian male's |
| MRASZ | 7000,9 | 1808 | 9 | 3 | | | N0N | | | |
| MRASZ | 7000,9 | 1748 | 12 | 3 | | | N0N | | | |
| MRASZ | 7001,0 | 1701 | 26 | 3 | | | N0N | | | |
| MRASZ | 7004,0 | 1702 | 26 | 3 | | | A3E | | | weak modulation, instabil carrier |
| MRASZ | 7005,0 | 1834 | 12 | 3 | | | A3E | | | instabil carrier |
| MRASZ | 7010,0 | 2034 | 9 | 3 | | | LSB | | | unidentified language |
| MRASZ | 7032,0 | 2142 | 28 | 3 | | | PSK2A | 120 | 260 0 | AT3004D? |
| MRASZ | 7036,0 | 1810 | 9 | 3 | | | F1B | | 500 | printer |
| MRASZ | 7038,7 | ady | dly | 3 | UKR | D | A1A | | | beacon "D" |
| MRASZ | 7038,9 | vt | vd | 3 | RUS | S | A1A | | | beacon "S" |
| MRASZ | 7039,0 | vt | vd | 3 | RUS | C | A1A | | | beacon "C" |
| MRASZ | 7039,4 | 1903 | 19 | 3 | RUS | M | A1A | | | beacon „M” |
| MRASZ | 7039,6 | 1924 | 14 | 3 | I | IZ3DV W /beacon | A1A | | | IZ3DVW/beacon |
| MRASZ | 7039,6 | 1902 | 19 | 3 | I | IK1HGI /B | A1A | | | IK1HGB/B, QRSS, 3000 mW |
| MRASZ | 7041,0 | 1935 | 9 | 3 | | | A1A | | | „1JXK (3) de 9T2Z (2) K” |
| MRASZ | 7041,0 | 1904 | 12 | 3 | | | A1A | | | „GE6C (3) de XGNC (2) K” |
| MRASZ | 7041,0 | 1905 | 12 | 3 | | | A1A | | | „8JOC (3) de XGNC (2) K” |
| MRASZ | 7054,0 | vt | vd | 3 | RUS | | F1B | 50 | 200 | RUS Navy |
| MRASZ | 7105,0 | 1952 | 6 | 3 | | | N0N | | | or A3E carrier? |
| MRASZ | 7120,0 | 1822 | 9 | 3 | SOM | | A3E | | | BC also on day's: 13,14,23,26,31 |
| MRASZ | 7136,9 | 1818 | 13 | 3 | | | N0N | | | |
| MRASZ | 7160,0 | 1649 | 26 | 3 | | | A1A | | | „257 17” |
| MRASZ | 7165,0 | 1823 | 9 | 3 | | | A3E | | | instabil carrier |
| MRASZ | 7166,1 | 1825 | 13 | 3 | | | A1A | | | 5ltrs, many msg, during long time |
| MRASZ | 7175,0 | 1825 | 9 | 3 | | UiBC | A3E | | | UiBC |
| MRASZ | 7175,0 | 1741 | 17 | 3 | | UiBC | A3E | | | UiBC |
| MRASZ | 7180,0 | 1824 | 14 | 3 | | UiBC | A3E | | | UiBC |
| MRASZ | 7185,0 | 1648 | 26 | 3 | | UiBC | A3E | | | UiBC |
| MRASZ | 7195,0 | 1826 | 9 | 3 | | | A3E | | | wide splatter from 7210! |
| MRASZ | 10140,0 | 1833 | 14 | 3 | | | OTHR | | | Disturbed 10120-10150 kHz |
| MRASZ | 14097,0 | 1045 | 9 | 3 | | | N0N | | | |
| MRASZ | 14128,5 | 0927 | 16 | 3 | | | A1A | | | quick dotter |
| MRASZ | 14215,0 | 0935 | 16 | 3 | | | A1A | | | dotter |
| MRASZ | 14235,5 | 0933 | 16 | 3 | | | A1A | | | dotter |
| MRASZ | 21001,5 | 0930 | 16 | 3 | | | F1B | | | vocoder Yakhta |

OEVSV – Austria – OE3GSA (Gerd)

| SOC | kHz | UTC | DD | MM | ITU | IDENT | MODE | BD | SH | DETAILS |
|-------|---------|------|----|----|-----|-------|------|----|-----|------------------------|
| oevsv | 3520,0 | 2014 | 06 | 03 | CIS | unid | J3Eu | | | female in russian |
| oevsv | 7011,0 | 0615 | 25 | 03 | | unid | J3Eu | | | male voices QTE 120deg |
| oevsv | 7054,0 | 0555 | 11 | 03 | CIS | inid | F1E | 50 | 200 | |
| oevsv | 14007,8 | 0720 | 10 | 03 | CIS | unid | F3E | | | RTTY |
| oevsv | 14239,0 | 0650 | 03 | 03 | | | F3E | | | Data 6 Tones |
| oevsv | 21000,8 | 0620 | 11 | 03 | | | F1B | | 400 | RTTY |
| oevsv | 21001,5 | 0650 | 12 | 03 | CIS | | F1B | | | RTTY |
| oevsv | 28113,0 | 0920 | 05 | 03 | CIS | | F3E | | | taxi pilot stn |
| oevsv | 28075,2 | 1015 | 17 | 03 | PRC | | A3E | | | males talking chinese |
| oevsv | 28255,0 | 1017 | 17 | 03 | PRC | | A3E | | | males talking chinese |
| oevsv | 29295,0 | 1630 | 05 | 03 | | | A3E | | | males in portuguese |

PZK – Poland – SP3UZ (Wladyslaw)

REP – Portugal – CT4AN (Jose Francisco)

| SOC | kHz | UTC | DD | MM | ITU | IDENT | MODE | BD | SH | DETAILS |
|-----|---------------|--------------|-----------|-----------|------------|----------|-----------------------|----|-----|--|
| REP | 3502,5 | 07.20 | 22 | 03 | E | | J3E-U | | | Fishermen |
| REP | 3505,0 | 08.40 | 15 | 03 | E | | J3E-U | | | Fishermen |
| REP | 3508,0 | 19.16 | 26 | 03 | ni | | J3E-U | | | Fishermen |
| REP | 3515,0 | 08.19 | 11 | 03 | E | | J3E-U | | | Fishermen big net |
| REP | 3532,0 | 16.22 | 03 | 03 | ni | | J3E-U | | | Unid language fishery |
| REP | 3535,0 | 19.14 | 26 | 03 | ni | | J3E-U | | | Unid ops |
| REP | 3701,0 | 07.45 | 11 | 03 | RUS | | J3E-U | | | Navy |
| REP | 7005,0 | 19.17 | 10 | 03 | E | | J3E-U | | | Female voices |
| REP | 7015,0 | 08.16 | 20 | 03 | E | | J3E-U | | | Fishermen |
| REP | 7023,5 | 21.38 | 01 | 03 | B | | F1B | 75 | 240 | Unid encrypted FSK |
| REP | 7025,0 | 07.21 | 08 | 03 | MRC | | J3E-U | | | Fishermen |
| REP | 7030,0 | 02.33 | 29 | 03 | E | | J3E-U | | | Fishermen |
| REP | 7030,0 | 21.44 | 04 | 03 | ni | | FMCW | | | OTH radar |
| REP | 7035,0 | 08.11 | 03 | 03 | E | | J3E-U | | | Fishermen talking |
| REP | 7035,0 | 07.06 | 07 | 03 | ni | | J3E-U | | | Tests, no call |
| REP | 7038,6 | 20.12 | 29 | 03 | RUS | S | A1A | | | KALININGRAD, ADY, DLY |
| REP | 7038,7 | 23.56 | 12 | 03 | UKR | D | A1A | | | SEVASTOPOL, ADY, DLY |
| REP | 7038,8 | 23.18 | 23 | 03 | RUS | P | A1A | | | MURMANSK, ADY, DLY |
| REP | 7039,0 | 23.09 | 23 | 03 | RUS | C | A1A | | | MOSCOW, ADY, DLY |
| REP | 7039,1 | 21.26 | 18 | 03 | RUS | A | A1A | | | VOLGOGRAD, ADY, DLY |
| REP | 7039,2 | 22.26 | 02 | 03 | RUS | F | A1A | | | KAMCHATSKY, ADY, DLY |
| REP | 7039,3 | 21.45 | 14 | 03 | RUS | K | A1A | | | VOLGOGRAD, ADY, DLY |
| REP | 7039,5 | 22.55 | 09 | 03 | RUS | M | A1A | | | MAGADAN, ADY, DLY |
| REP | 7041,0 | 21.58 | 18 | 03 | RUS | L | A1A | | | St PETERSBURG, ADY, DLY |
| REP | 7053,5 | 19.48 | 01 | 03 | ni | | F1B | 50 | 200 | Unid FSK |
| REP | 7054,0 | 19.38 | 26 | 03 | RUS | | F1B | 50 | 200 | Russian encrypted FSK system |
| REP | 7070,0 | 13.20 | 22 | 03 | ni | | J3E-L | | | Music, jamming and discussions |
| REP | 7105,0 | 22.12 | 10 | 03 | CHN | | 8k00 A3EGN | | | Chinese BC station |
| REP | 7105,0 | 22.24 | 06 | 03 | CHN | | A3E | | | Chinese broadcaster |
| REP | 7120,0 | 23.55 | 16 | 03 | n.i. | | J3E-U | | | Scrambled voice |
| REP | 7120,0 | 18.41 | 19 | 03 | SOM | | 8k00 A3EGN | | | BC Radio Hargeysa |
| REP | 7130,0 | 00.28 | 06 | 03 | ni | | J3E-U | | | Music, animal noises, political speeches |
| REP | 7170,0 | 23.41 | 30 | 03 | n.i. | | J3E-U | | | Male and female talking |
| REP | 7175,0 | 17.29 | 23 | 03 | ni | | 8k00 A3EGN | | | BC Music |
| REP | 7185,0 | 17.44 | 18 | 03 | ni | | 8k00 A3EGN | | | BC Arabic |
| REP | 10102,5 | 18.43 | 03 | 03 | MRC | | J3E-U | | | Moroccan fishermen's Net |
| REP | 10105,0 | 20.03 | 27 | 03 | MRC | | J3E-U | | | Fishermen about weather and fishing |
| REP | 10105,0 | 11.55 | 02 | 03 | MRC | | J3E-U | | | Fishermen |
| REP | 10105,0 | 23.31 | 07 | 03 | MRC | | J3E-U | | | Talks |

| SOC | kHz | UTC | DD | MM | ITU | IDENT | MODE | BD | SH | DETAILS |
|-----|----------------|--------------|-----------|-----------|-----------|-------|-------------|-----|-----|--|
| REP | 10112,0 | 20.50 | 27 | 03 | n.i. | | J3E-U | | | Numbers station |
| REP | 10115,0 | 23.59 | 07 | 03 | ni | | A3E | | | Letters Station 5 letters transmission |
| REP | 10115,7 | 19.30 | 20 | 03 | ni | | A1A | | | Numbers station 5 figure groups |
| REP | 10120,0 | 13.06 | 03 | 03 | ni | | J3E-U | | | Unid arabic language ops |
| REP | 10121,0 | 02.28 | 21 | 03 | ni | | J3E-U | | | Unid ops (Navy ?) |
| REP | 10125,0 | 21.00 | 08 | 03 | ni | | J3E-U | | | Family talks |
| REP | 10125,0 | 20.25 | 13 | 03 | MRC | | J3E-U | | | Morrocan fishermen |
| REP | 10125,0 | 18.23 | 09 | 03 | E | | J3E-U | | | Spanish fishery |
| REP | 10125,0 | 18.35 | 21 | 03 | E | | J3E-U | | | Spanish fishery, Galicia province |
| REP | 10130,0 | 21.00 | 31 | 03 | n.i. | | J3E-U | | | Meteo info and talks |
| REP | 10130,0 | 17.50 | 17 | 03 | ni | | FMCW | | | OTH radar |
| REP | 10133,0 | 17.21 | 05 | 03 | ni | | FMCW | | | OTH radar |
| REP | 10140,0 | 20.53 | 10 | 03 | ni | | FMCW | | | OTH radar |
| REP | 10145,0 | 16.30 | 05 | 03 | MRC | | J3E-U | | | Arabic |
| REP | 10145,0 | 20.20 | 12 | 03 | ni | | FMCW | | | OTH radar |
| REP | 10150,0 | 21.40 | 07 | 03 | ni | | FMCW | | | OTH radar 20kHz |
| REP | 14000,0 | 08.30 | 22 | 03 | n.i. | | F1B | 300 | 425 | RY |
| REP | 14000,0 | 10.54 | 20 | 03 | ni | | J3E-U | | | Unid language |
| REP | 14001,0 | 08.52 | 19 | 03 | ni | | F1B | | | Not standard speed |
| REP | 14010,0 | 21.00 | 19 | 03 | E | | J3E-U | | | Several male voices |
| REP | 14026,0 | 08.55 | 20 | 03 | RUS | | J7D | | | Russian AT300D FSK modem, loud |
| REP | 14145,0 | 20.38 | 28 | 03 | I | | J3E-U | | | Talks ship to ship |
| REP | 14185,0 | 15.04 | 02 | 03 | ni | | J3E-U | | | Music jamming QSO |
| REP | 14192,0 | 13.37 | 25 | 03 | RUS | | F1B | 50 | 250 | Encrypted russian FSK |
| REP | 18070,0 | 08.55 | 30 | 03 | ni | | FMCW | | | OTH radar |
| REP | 18070,0 | 13.54 | 31 | 03 | ni | | FMCW | | | OTH radar |
| REP | 18150,0 | 18.42 | 14 | 03 | n.i. | | A3 | | | Tone Modulated |
| REP | 18160,0 | 13.39 | 14 | 03 | ni | | FMCW | | | OTH radar |
| REP | 21001,0 | 09.33 | 27 | 03 | RUS | | F1B | 100 | 170 | Vocoder "Yakhta" inband sychro signal |
| REP | 21005,0 | 23.05 | 28 | 03 | n.i. | | J3E-U | | | Encoded transmission |
| REP | 21020,0 | 15.07 | 23 | 03 | MRC | | J3E-U | | | Male talks about business |
| REP | 21078,0 | 12.12 | 12 | 03 | ni | | FMCW | | | OTH radar |
| REP | 21112,5 | 18.14 | 20 | 03 | MRC | | J3E-U | | | Fishermen |
| REP | 21200,0 | 11.47 | 02 | 03 | ni | | FMCW | | | OTH radar |
| REP | 21290,0 | 14.11 | 07 | 03 | ni | | FMCW | | | OTH radar |
| REP | 21290,0 | 14.13 | 14 | 03 | ni | | FMCW | | | OTH radar |
| REP | 28005,0 | 18.22 | 04 | 03 | B | | A3E | | | Brazilian ops, roger beeps |
| REP | 28005,0 | 13.55 | 07 | 03 | B | | A3E | | | Brazilian ops on top CW DX station |
| REP | 28005,0 | 19.32 | 11 | 03 | B | | A3E | | | Brazilian ops, several TX's |
| REP | 28005,0 | 18.45 | 15 | 03 | B | | A3E | | | Several brazilian ops |
| REP | 28005,0 | 16.34 | 20 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28005,0 | 13.41 | 22 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28005,0 | 19.16 | 26 | 03 | B | | A3E | | | Brazilian ops, disrupting CW QSO's |
| REP | 28005,0 | 19.57 | 27 | 03 | B | | A3E | | | Brazilian ops, roger beeps, echo chamber |
| REP | 28005,0 | 13.53 | 29 | 03 | B | | A3E | | | Brazilian ops, singing, whistling, catcalling... |
| REP | 28015,0 | 13.40 | 07 | 03 | B | | A3E | | | Multiple brazilian ops |
| REP | 28015,0 | 13.41 | 07 | 03 | B | | A3E | | | Multiple brazilian ops, AM and SSB |
| REP | 28015,0 | 19.42 | 07 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28015,0 | 19.39 | 10 | 03 | B | | A3E | | | Brazilian ops, roger beeps |
| REP | 28015,0 | 16.43 | 12 | 03 | B | | A3E | | | Brazilian ops on top of CW QSO's |
| REP | 28015,0 | 18.46 | 15 | 03 | B | | A3E | | | Several brazilian ops, roger beeps |
| REP | 28015,0 | 15.53 | 19 | 03 | B | | A3E | | | Brazilian ops disturbing CW QSO's |
| REP | 28015,0 | 14.12 | 27 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28015,0 | 19.57 | 27 | 03 | B | | A3E | | | Brazilian ops, roger beeps |
| REP | 28015,0 | 11.21 | 28 | 03 | B | | A3E | | | Brazilian ops, echo chamber |
| REP | 28025,0 | 19.13 | 05 | 03 | B | | A3E | | | Brazilian ops, echo chamber |
| REP | 28025,0 | 19.42 | 07 | 03 | B | | A3E | | | Brazilians disrupting CW ops |
| REP | 28025,0 | 18.46 | 15 | 03 | B | | A3E | | | Several brazilian ops, roger beeps |
| REP | 28025,0 | 13.42 | 22 | 03 | B | | A3E | | | Brazilian ops, roger beeps |
| REP | 28025,0 | 19.56 | 27 | 03 | B | | A3E | | | Brazilian ops, roger beeps |
| REP | 28025,0 | 13.55 | 29 | 03 | B | | A3E | | | Brazilian ops, roger beeps |
| REP | 28035,0 | 15.15 | 04 | 03 | B | | A3E | | | Brazilian ops chatting |
| REP | 28035,0 | 17.54 | 05 | 03 | B | | A3E | | | Brazilian ops disrupting DX CW |

| SOC | kHz | UTC | DD | MM | ITU | IDENT | MODE | BD | SH | DETAILS |
|-----|----------|-------|----|----|-----|--------|-------|----|----|---|
| REP | 28035,0 | 19.35 | 11 | 03 | B | | A3E | | | Brazilian ops, 2 OM |
| REP | 28035,0 | 16.42 | 12 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28035,0 | 17.35 | 13 | 03 | B | | A3E | | | Brazilian ops, roger beeps |
| REP | 28035,0 | 18.47 | 15 | 03 | B | | A3E | | | Several brazilian ops, intefering CW QSO's |
| REP | 28035,0 | 14.13 | 27 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28044,5 | 14.43 | 06 | 03 | B | | J3E-U | | | Brazilian truckers discussing lunch |
| REP | 28044,75 | 11.15 | 05 | 03 | B | | J3E-U | | | Brazilian ops chatting, roger beeps |
| REP | 28044,75 | 14.43 | 06 | 03 | B | | J3E-U | | | Brazilian truckers talk abt restaurants lunch |
| REP | 28045,0 | 20.31 | 01 | 03 | B | | J3E-U | | | Multiple brazilian CB'rs |
| REP | 28045,0 | 20.35 | 01 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28045,0 | 17.30 | 13 | 03 | B | | J3E-U | | | Brazilian ops SSB, others AM |
| REP | 28045,0 | 15.56 | 18 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28045,0 | 15.57 | 19 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28045,0 | 13.09 | 25 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28045,0 | 13.10 | 25 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28045,0 | 19.07 | 26 | 03 | B | | A3E | | | Brazilian ops, overdriven AM carrier |
| REP | 28055,0 | 15.18 | 04 | 03 | B | | A3E | | | Brazilian ops chatting |
| REP | 28055,0 | 19.40 | 10 | 03 | B | | A3E | | | Brazilain ops, weak |
| REP | 28055,0 | 17.29 | 13 | 03 | B | | A3E | | | Brazilian ops, roger beeps |
| REP | 28055,0 | 14.14 | 27 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28055,0 | 19.54 | 27 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28065,0 | 13.42 | 07 | 03 | B | | A3E | | | Brazilian ops, several |
| REP | 28065,0 | 19.43 | 07 | 03 | B | | A3E | | | Brazilian truckers |
| REP | 28065,0 | 19.31 | 11 | 03 | B | | A3E | | | YL and OM brazilian ops |
| REP | 28065,0 | 16.41 | 12 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28065,0 | 17.28 | 13 | 03 | B | | A3E | | | Brazilian ops, several of them |
| REP | 28065,0 | 15.57 | 19 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28065,0 | 16.35 | 20 | 03 | B | | A3E | | | Brazilian ops, roger beeps |
| REP | 28065,0 | 11.43 | 21 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28065,0 | 19.17 | 26 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28065,0 | 19.55 | 27 | 03 | B | | A3E | | | Brazilian ops, roger beeps |
| REP | 28065,0 | 19.58 | 27 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28065,0 | 11.07 | 28 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28065,0 | 13.57 | 29 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28075,0 | 20.31 | 01 | 03 | B | | J3E-U | | | Multiple brazilian ops in SSB |
| REP | 28075,0 | 15.16 | 04 | 03 | B | | A3E | | | Brazilians chatting on top of JT65 QSO |
| REP | 28075,0 | 17.56 | 05 | 03 | B | | A3E | | | Brazilian ops disrupting JT65 QSO's |
| REP | 28075,0 | 17.43 | 06 | 03 | B | | A3E | | | Brazilian truckers, everyday |
| REP | 28075,0 | 11.36 | 09 | 03 | B | | A3E | | | Brazilian ops interfering JT65 qso's |
| REP | 28075,0 | 17.27 | 13 | 03 | B | | A3E | | | Brazilian ops, two OM w/ roger beeps |
| REP | 28075,0 | 19.12 | 14 | 03 | B | | A3E | | | Brazilian ops interfering JT65 QSO's |
| REP | 28075,0 | 18.49 | 15 | 03 | B | | A3E | | | Brazilian ops, interfering JT65 QSO's |
| REP | 28075,0 | 15.58 | 19 | 03 | B | | A3E | | | Brazilian ops disturbing JT65HF qso's |
| REP | 28075,0 | 11.08 | 28 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28075,0 | 13.58 | 29 | 03 | B | | A3E | | | Brazilian ops, multiple tx's |
| REP | 28085,0 | 17.47 | 05 | 03 | B | | A3E | | | Brazilian truckers |
| REP | 28085,0 | 11.39 | 09 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28085,0 | 19.41 | 10 | 03 | B | | A3E | | | Brazilian truckers, talking abt trucks |
| REP | 28085,0 | 19.36 | 11 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28085,0 | 17.36 | 13 | 03 | B | | A3E | | | Brazilian ops, roger beeps |
| REP | 28085,0 | 11.43 | 21 | 03 | B | | A3E | | | Brazilian ops, roger beeps |
| REP | 28095,0 | 13.42 | 22 | 03 | B | | A3E | | | Brazilian ops, roger beeps |
| REP | 28105,0 | 20.33 | 01 | 03 | B | | A3E | | | Brazilian ops, truckers |
| REP | 28105,0 | 15.17 | 04 | 03 | B | | A3E | | | Multiple brazilian ops |
| REP | 28105,0 | 11.32 | 05 | 03 | B | | A3E | | | Brazilian ops chatting |
| REP | 28105,0 | 19.43 | 07 | 03 | B | | A3E | | | Brazilian ops, echo chamber, roger beeps |
| REP | 28105,0 | 11.42 | 09 | 03 | B | | A3E | | | Brazilians w/ roger beeps |
| REP | 28105,0 | 19.30 | 11 | 03 | B | Jacaré | A3E | | | “Jacaré” and uid brazilian op. FSK beacon |
| REP | 28105,0 | 16.40 | 12 | 03 | B | | A3E | | | Brazilian ops, many TX's |
| REP | 28105,0 | 17.26 | 13 | 03 | B | | A3E | | | Several brazilian ops |
| REP | 28105,0 | 19.13 | 14 | 03 | B | | A3E | | | Brazilian ops, roger beeps |
| REP | 28105,0 | 18.49 | 15 | 03 | B | | A3E | | | Many brazilian ops |
| REP | 28105,0 | 13.43 | 22 | 03 | B | | A3E | | | Multiple brazilian ops, roger beeps |

| SOC | kHz | UTC | DD | MM | ITU | IDENT | MODE | BD | SH | DETAILS |
|-----|---------|-------|----|----|-----|-------|-------|----|----|--|
| REP | 28105,0 | 13.10 | 25 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28105,0 | 19.09 | 26 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28105,0 | 14.15 | 27 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28105,0 | 19.59 | 27 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28105,0 | 11.08 | 28 | 03 | B | | A3E | | | Brazilian truckers, talking about cement loads |
| REP | 28115,0 | 15.29 | 04 | 03 | B | | A3E | | | Brazilian ops chatting |
| REP | 28115,0 | 17.49 | 05 | 03 | B | | A3E | | | Multiple ops, Brazil |
| REP | 28115,0 | 17.42 | 06 | 03 | B | | A3E | | | Many ops, mostly Brazilian |
| REP | 28115,0 | 19.42 | 10 | 03 | B | | A3E | | | Brazilian ops, also J3E-U |
| REP | 28115,0 | 19.29 | 11 | 03 | B | | A3E | | | Brazilian truckers, several TX's |
| REP | 28115,0 | 17.25 | 13 | 03 | B | | J3E-U | | | Brazilian ops, also in A3E |
| REP | 28115,0 | 19.14 | 14 | 03 | B | | A3E | | | Brazilian ops, several of them |
| REP | 28115,0 | 18.51 | 15 | 03 | B | | A3E | | | Several brazilian ops |
| REP | 28115,0 | 15.25 | 18 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28115,0 | 15.59 | 19 | 03 | B | | A3E | | | Several brazilian ops, roger beeps |
| REP | 28115,0 | 13.43 | 22 | 03 | B | | A3E | | | Brazilian ops, roger beeps |
| REP | 28115,0 | 13.11 | 25 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28115,0 | 19.10 | 26 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28115,0 | 14.16 | 27 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28115,0 | 20.00 | 27 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28115,0 | 11.09 | 28 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28120,0 | 17.46 | 06 | 03 | ni | | J3E-U | | | Music jingle, repeated over and over |
| REP | 28125,0 | 19.15 | 14 | 03 | B | | A3E | | | Brazilian ops interfering WSPR signals |
| REP | 28125,0 | 13.12 | 25 | 03 | B | | A3E | | | Brazilian ops interfering WSPR ham ops |
| REP | 28125,0 | 20.00 | 27 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28134,5 | 18.24 | 04 | 03 | B | | J3E-U | | | Brazilian ops, USB roger beeps |
| REP | 28134,5 | 17.50 | 05 | 03 | B | | J3E-U | | | Brazilian truckers, also A3E |
| REP | 28135,0 | 13.36 | 06 | 03 | RUS | | F3E | | | Russian YL dispatcher |
| REP | 28135,0 | 13.37 | 07 | 03 | RUS | | | | | Russian YL taxi dispatcher |
| REP | 28135,0 | 08.46 | 11 | 03 | RUS | | F3E | | | Russian YL taxi dispatcher |
| REP | 28135,0 | 14.16 | 27 | 03 | RUS | | F3E | | | Russian YL taxis dispatcher, daily |
| REP | 28135,0 | 11.40 | 09 | 03 | B | | A3E | | | Brazilian ops, truckers |
| REP | 28135,0 | 11.20 | 28 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28145,0 | 18.26 | 04 | 03 | B | | A3E | | | Brazilian ops, several |
| REP | 28145,0 | 19.41 | 04 | 03 | B | | A3E | | | Brazilian ops chatting |
| REP | 28145,0 | 13.44 | 07 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28145,0 | 19.44 | 07 | 03 | B | | A3E | | | Brazilian ops, roger beeps |
| REP | 28145,0 | 19.28 | 11 | 03 | B | | A3E | | | Brazilian truckers, several TX's |
| REP | 28145,0 | 17.25 | 13 | 03 | B | | J3E-U | | | Brazilian ops, also in A3E |
| REP | 28145,0 | 18.51 | 15 | 03 | B | | A3E | | | Brazilian ops, OM and YL |
| REP | 28145,0 | 15.49 | 18 | 03 | B | | A3E | | | Brazilian ops "Cabeça" |
| REP | 28145,0 | 16.36 | 20 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28145,0 | 13.44 | 22 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28145,0 | 19.11 | 26 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28155,0 | 14.06 | 07 | 03 | RUS | | F3E | | | Russian YL taxi dispatcher |
| REP | 28155,0 | 19.37 | 11 | 03 | B | | A3E | | | Brazilian ops, also J3E |
| REP | 28155,0 | 13.44 | 22 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28155,0 | 19.11 | 26 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28165,0 | 17.51 | 05 | 03 | B | | A3E | | | Brazilian ops, roger beeps |
| REP | 28165,0 | 19.43 | 10 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28165,0 | 19.28 | 11 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28165,0 | 16.40 | 12 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28165,0 | 17.25 | 13 | 03 | B | | A3E | | | Brazilian ops, several of them |
| REP | 28165,0 | 20.03 | 27 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28175,0 | 11.15 | 28 | 03 | ni | | F3E | | | Unid oriental language, male ops |
| REP | 28175,0 | 20.38 | 01 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28175,0 | 13.46 | 07 | 03 | B | | F3E | | | Brazilian ops FM mode |
| REP | 28175,0 | 11.41 | 09 | 03 | B | | A3E | | | Brazilian ops, roger beeps |
| REP | 28175,0 | 19.44 | 10 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28175,0 | 19.27 | 11 | 03 | B | | A3E | | | Several brazilian ops, roger beeps and echo |
| REP | 28175,0 | 16.39 | 12 | 03 | B | | A3E | | | Brazilian ops, echo chambers, roger beeps |
| REP | 28175,0 | 17.24 | 13 | 03 | B | | A3E | | | Brazilian ops, roger beeps |
| REP | 28175,0 | 19.17 | 14 | 03 | B | | A3E | | | Brazilian ops interfering beacons |
| REP | 28175,0 | 15.16 | 18 | 03 | B | | A3E | | | Brazilian ops, roger beeps |

| SOC | kHz | UTC | DD | MM | ITU | IDENT | MODE | BD | SH | DETAILS |
|-----|----------------|--------------|-----------|-----------|------------|-------|-------------|-----------|------------|---|
| REP | 28175,0 | 16.36 | 20 | 03 | B | | A3E | | | Several brazilian ops, echo chambers |
| REP | 28175,0 | 20.04 | 27 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28175,0 | 11.16 | 28 | 03 | B | | A3E | | | Brazilian ops. Also oriental speakers F3E |
| REP | 28185,0 | 13.50 | 07 | 03 | RUS | | F3E | | | Taxi disptacher. Also brazilian A3E |
| REP | 28185,0 | 17.58 | 05 | 03 | B | | A3E | | | Brazilians chatting, roger beeps |
| REP | 28185,0 | 13.50 | 07 | 03 | B | | A3E | | | Brazilian ops AM, also russian YL FM |
| REP | 28185,0 | 19.45 | 10 | 03 | B | | A3E | | | Brazilian ops, roger beeps |
| REP | 28185,0 | 18.52 | 15 | 03 | B | | A3E | | | Brazilian ops interfering beacons |
| REP | 28185,0 | 15.17 | 18 | 03 | B | | A3E | | | Brazilian ops, ocasional russian taxis F3E |
| REP | 28185,0 | 16.00 | 19 | 03 | B | | A3E | | | Brazilian truckers disturbing beacons |
| REP | 28185,0 | 11.45 | 21 | 03 | B | | A3E | | | Brazilian ops, roger beeps |
| REP | 28185,0 | 14.17 | 27 | 03 | B | | A3E | | | Several brazilian ops disrupting beacons |
| REP | 28185,0 | 20.04 | 27 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28185,0 | 11.10 | 28 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28185,0 | 14.09 | 29 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28195,0 | 13.45 | 07 | 03 | B | | A3E | | | Brazilian ops interfering beacons |
| REP | 28195,0 | 19.38 | 11 | 03 | B | | A3E | | | BRA ops disrupting several beacons |
| REP | 28195,0 | 16.38 | 12 | 03 | B | | A3E | | | Brazilian ops, roger beeps, foul language |
| REP | 28195,0 | 16.37 | 20 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28195,0 | 14.18 | 27 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28205,0 | 17.59 | 05 | 03 | B | | A3E | | | Brazilians chatting, disrupting beacon |
| REP | 28205,0 | 19.46 | 10 | 03 | B | | A3E | | | Brazilian ops interfering with 10m beacons |
| REP | 28205,0 | 19.26 | 11 | 03 | B | | A3E | | | Brazil ops disrupting beacon operation |
| REP | 28205,0 | 16.37 | 12 | 03 | B | | A3E | | | Brazilian ops interfering with beacons |
| REP | 28205,0 | 17.23 | 13 | 03 | B | | A3E | | | Brazilian ops disturbing beacons |
| REP | 28205,0 | 19.19 | 14 | 03 | B | | A3E | | | Brazilian ops interfering beacons |
| REP | 28205,0 | 18.53 | 15 | 03 | B | | A3E | | | Brazilian ops, interfering beacons |
| REP | 28205,0 | 13.59 | 29 | 03 | B | | A3E | | | Brazilian ops disturbing beacons |
| REP | 28215,0 | 14.53 | 27 | 03 | ni | | J3E-U | | | Unid northen european language, fishery |
| REP | 28215,0 | 19.39 | 11 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28215,0 | 15.48 | 18 | 03 | B | | A3E | | | Brazilian ops, roger beeps |
| REP | 28215,0 | 15.54 | 19 | 03 | B | | A3E | | | Brazilian ops, roger beeps |
| REP | 28215,0 | 11.13 | 28 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28215,0 | 14.06 | 29 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28220,0 | 15.13 | 18 | 03 | ni | | FMCW | | | OTH radar |
| REP | 28220,0 | 13.11 | 27 | 03 | IRN | | FMCW | | | Iranian OTH radar, sporadic |
| REP | 28225,0 | 11.29 | 10 | 03 | RUS | | F3E | | | Taxis |
| REP | 28225,0 | 13.14 | 27 | 03 | ni | | J3E-U | | | Unid language ops, fishery |
| REP | 28225,0 | 11.38 | 09 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28235,0 | 19.44 | 04 | 03 | B | | A3E | | | Brazilian ops chatting, roger beeps |
| REP | 28235,0 | 18.03 | 05 | 03 | B | | A3E | | | Brazilians, many ops |
| REP | 28235,0 | 17.41 | 06 | 03 | B | | A3E | | | Many brazilian ops |
| REP | 28235,0 | 13.53 | 07 | 03 | B | | A3E | | | Brazilian ops, echo chambers, roger beeps |
| REP | 28235,0 | 19.45 | 07 | 03 | B | | A3E | | | Brazilian ops, many signals |
| REP | 28235,0 | 16.37 | 12 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28235,0 | 19.20 | 14 | 03 | B | | A3E | | | Brazilian ops, several |
| REP | 28235,0 | 16.38 | 20 | 03 | B | | A3E | | | Brazilian ops, interfering beacons |
| REP | 28235,0 | 11.46 | 21 | 03 | B | | A3E | | | Brazilian ops, roger beeps |
| REP | 28235,0 | 19.12 | 26 | 03 | B | | A3E | | | Brazilian ops, overdriven signals, distortion |
| REP | 28235,0 | 14.19 | 27 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28235,0 | 20.05 | 27 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28235,0 | 14.00 | 29 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28245,0 | 11.30 | 09 | 03 | RUS | | F3E | | | Taxis |
| REP | 28245,0 | 19.20 | 14 | 03 | B | | A3E | | | Brazilian ops, roger beeps |
| REP | 28245,0 | 18.54 | 15 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28245,0 | 15.55 | 19 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28245,0 | 13.13 | 25 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28245,0 | 14.02 | 29 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28250,0 | 18.50 | 24 | 03 | RUS | | A3E | | | CB |
| REP | 28250,0 | 18.42 | 15 | 03 | ni | | F1B | 82 | 240 | Datawell buoy |
| REP | 28255,0 | 14.20 | 10 | 03 | RUS | | F3E | | | Taxis |
| REP | 28255,0 | 19.34 | 26 | 03 | B | | A3E | | | Many brazilian ops, big mess |

| SOC | kHz | UTC | DD | MM | ITU | IDENT | MODE | BD | SH | DETAILS |
|-----|---------|-------|----|----|-----|-------|-------|----|----|---|
| REP | 28255,0 | 15.27 | 04 | 03 | B | | A3E | | | Multiple brazilian ops |
| REP | 28255,0 | 19.46 | 07 | 03 | B | | A3E | | | Brazilian ops, many signals |
| REP | 28255,0 | 19.48 | 10 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28255,0 | 19.25 | 11 | 03 | B | | A3E | | | Many brazilian ops, confusion |
| REP | 28255,0 | 16.36 | 12 | 03 | B | | A3E | | | Brazilian ops, roger beeps |
| REP | 28255,0 | 17.22 | 13 | 03 | B | | A3E | | | Many AM/SSB ops Brazil |
| REP | 28255,0 | 19.20 | 14 | 03 | B | | A3E | | | Many brazilian ops interfering beacons |
| REP | 28255,0 | 18.55 | 15 | 03 | B | | A3E | | | Brazilain ops interfering beacons |
| REP | 28255,0 | 16.38 | 20 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28255,0 | 11.46 | 21 | 03 | B | | A3E | | | Brazilian ops, roger beeps |
| REP | 28255,0 | 13.14 | 25 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28255,0 | 19.12 | 26 | 03 | B | | A3E | | | Brazilian ops, dozens of AM carriers |
| REP | 28255,0 | 14.20 | 27 | 03 | B | | A3E | | | Several brazilian ops |
| REP | 28255,0 | 20.06 | 27 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28255,0 | 11.11 | 28 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28255,0 | 14.00 | 29 | 03 | B | | A3E | | | Brazilian ops, several tx's |
| REP | 28265,0 | 16.35 | 12 | 03 | B | | A3E | | | Brazilian truckers. Also russian taxis F3E |
| REP | 28265,0 | 19.13 | 26 | 03 | B | | A3E | | | Brazilian ops disrupting beacons |
| REP | 28265,5 | 18.00 | 12 | 03 | RUS | | A3E | | | CB |
| REP | 28275,0 | 12.10 | 10 | 03 | RUS | | F3E | | | Taxis |
| REP | 28275,0 | 19.47 | 07 | 03 | B | | A3E | | | Brazilian ops, several signals |
| REP | 28275,0 | 19.23 | 11 | 03 | B | | A3E | | | YL and OM from Brazil |
| REP | 28275,0 | 17.38 | 13 | 03 | B | | A3E | | | Brazilian ops, many carriers, beacons |
| REP | 28275,0 | 19.21 | 14 | 03 | B | | A3E | | | Brazilian ops interfering beacons |
| REP | 28275,0 | 18.56 | 15 | 03 | B | | A3E | | | Many brazilian ops interfering beacons |
| REP | 28275,0 | 19.13 | 26 | 03 | B | | A3E | | | Brazilian truckers disrupting beacons |
| REP | 28275,0 | 20.07 | 27 | 03 | B | | A3E | | | Brazilian ops disturbing beacons |
| REP | 28285,0 | 13.34 | 07 | 03 | RUS | | F3E | | | Russian YL taxi dispatcher |
| REP | 28285,0 | 13.54 | 07 | 03 | B | | A3E | | | Brazilian ops, also FM from Russia |
| REP | 28285,0 | 19.40 | 11 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28285,0 | 17.21 | 13 | 03 | B | | A3E | | | Several AM ops from Brazil |
| REP | 28285,0 | 19.21 | 14 | 03 | B | | A3E | | | Brazilian ops interfering beacons |
| REP | 28285,0 | 15.43 | 18 | 03 | B | | A3E | | | Brazilian truckers |
| REP | 28285,0 | 13.14 | 25 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28285,0 | 19.14 | 26 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28285,0 | 20.08 | 27 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28285,0 | 11.12 | 28 | 03 | B | | A3E | | | Brazilian ops, truckers |
| REP | 28295,0 | 19.07 | 15 | 03 | B | | J3E-U | | | "Baiano" and "Gaúcha" flirting on air |
| REP | 28295,0 | 18.28 | 04 | 03 | B | | J3E-U | | | Brazilian ops, echo chamber, big sigs |
| REP | 28295,0 | 11.54 | 05 | 03 | B | | A3E | | | Brazilian ops chatting, roger beeps |
| REP | 28295,0 | 16.33 | 12 | 03 | B | | A3E | | | Brazilian truckers |
| REP | 28295,0 | 19.22 | 14 | 03 | B | | J3E-U | | | Brazilian OM and YL chatting away |
| REP | 28295,0 | 18.56 | 15 | 03 | B | | J3E-U | | | "Baiano", repeat offender fm Salvador Baía |
| REP | 28295,0 | 15.56 | 19 | 03 | B | | A3E | | | Several brazilian ops |
| REP | 28305,0 | 20.45 | 01 | 03 | B | | A3E | | | Many, many stations Brazil |
| REP | 28305,0 | 15.18 | 04 | 03 | B | | A3E | | | Multiple brazilian ops |
| REP | 28305,0 | 19.48 | 07 | 03 | B | | A3E | | | Numerous signals, Brazil |
| REP | 28305,0 | 11.37 | 09 | 03 | B | | A3E | | | Numerous brazilian ops |
| REP | 28305,0 | 19.23 | 11 | 03 | B | | A3E | | | Many ops from Brazil |
| REP | 28305,0 | 16.33 | 12 | 03 | B | | A3E | | | Brazilian ops, several TX's |
| REP | 28305,0 | 17.20 | 13 | 03 | B | | A3E | | | Dozens of AM tx's from Brazil |
| REP | 28305,0 | 19.23 | 14 | 03 | B | | A3E | | | Many brazilian ops, confusion |
| REP | 28305,0 | 18.58 | 15 | 03 | B | | A3E | | | Several brazilian ops in AM, many carriers |
| REP | 28305,0 | 15.36 | 18 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28305,0 | 15.56 | 19 | 03 | B | | A3E | | | Many brazilian ops |
| REP | 28305,0 | 11.46 | 21 | 03 | B | | A3E | | | Many brazilian ops, lots of signals |
| REP | 28305,0 | 13.45 | 22 | 03 | B | | A3E | | | Many brazilian ops |
| REP | 28305,0 | 13.15 | 25 | 03 | B | | A3E | | | Brazilian ops, distorted AM carriers |
| REP | 28305,0 | 19.15 | 26 | 03 | B | | A3E | | | Brazilian ops, dozens of signals |
| REP | 28305,0 | 20.08 | 27 | 03 | B | | A3E | | | Multiple brazilian ops, dozens of AM carriers |
| REP | 28305,0 | 11.12 | 28 | 03 | B | | A3E | | | Brazilian ops, many of them. |
| REP | 28305,0 | 14.01 | 29 | 03 | B | | A3E | | | Several brazilian ops, mess |
| REP | 28315,0 | 20.47 | 01 | 03 | B | | A3E | | | Brazilian ops chatting |

| SOC | kHz | UTC | DD | MM | ITU | IDENT | MODE | BD | SH | DETAILS |
|-----|----------------|--------------|-----------|-----------|------------|-------|-------------|----|----|---|
| REP | 28315,0 | 17.52 | 05 | 03 | B | | A3E | | | Multiple brazilian ops, echo chambers |
| REP | 28315,0 | 19.41 | 11 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28315,0 | 16.32 | 12 | 03 | B | | A3E | | | Brazilian truckers, several of them |
| REP | 28315,0 | 17.39 | 13 | 03 | B | | A3E | | | Brazilian ops, roger beeps, echo chambers |
| REP | 28315,0 | 18.58 | 15 | 03 | B | | A3E | | | Brazilian intruders in SSB sub-band |
| REP | 28315,0 | 15.35 | 18 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28315,0 | 13.53 | 22 | 03 | B | | A3E | | | Many brazilian ops |
| REP | 28315,0 | 14.21 | 27 | 03 | B | | A3E | | | Brazilian ops |
| REP | 28315,0 | 20.08 | 27 | 03 | B | | A3E | | | Multiple brazilian ops |
| REP | 28390,0 | 14.23 | 01 | 03 | ni | | FMCW | | | OTH radar |
| REP | 28400,0 | 10.15 | 23 | 03 | ni | | FMCW | | | OTH radar |
| REP | 28470,0 | 14.40 | 24 | 03 | ni | | FMCW | | | OTH radar |
| REP | 28530,0 | 08.15 | 27 | 03 | ni | | FMCW | | | OTH radar |
| REP | 28635,0 | 07.27 | 15 | 03 | ni | | FMCW | | | OTH radar |
| REP | 28690,0 | 11.51 | 01 | 03 | ni | | no | | | Random tones |
| REP | 28705,0 | 14.46 | 17 | 03 | IRN | | FMCW | | | OTH radar, Iran |
| REP | 28865,0 | 13.48 | 06 | 03 | RUS | | F3E | | | Russian YL taxi dispatcher |
| REP | 28925,0 | 13.25 | 06 | 03 | RUS | | F3E | | | Russian YL taxi dispatcher |
| REP | 29135,0 | 13.04 | 06 | 03 | RUS | | F3E | | | Russian YL taxi dispatcher |
| REP | 29150,0 | 13.20 | 06 | 03 | RUS | | F3E | | | Russian YL taxi dispatcher |
| REP | 29205,0 | 13.22 | 06 | 03 | RUS | | F3E | | | Russian YL taxi dispatcher |
| REP | 29205,0 | 13.51 | 06 | 03 | RUS | | F3E | | | Russian YL taxi dispatcher |
| REP | 29445,0 | 13.23 | 06 | 03 | RUS | | F3E | | | Russian YL taxi dispatcher |
| REP | 29600,0 | 13.08 | 06 | 03 | ni | | FMCW | | | OTH radar |
| REP | 29610,0 | 13.11 | 17 | 03 | ni | | FMCW | | | OTH radar |
| REP | 29650,0 | 13.09 | 06 | 03 | ni | | FMCW | | | OTH radar |

RSGB - Great Britain – G4BOH (Chris)

| Society | kHz | UTC | DD | MM | ITU | IDENT | MODE | REMARKS |
|---------|------|------|----|----|-----|-------|------|--|
| RSGB | 7166 | 1100 | 13 | 03 | F | MIL | CW | CW 5 letter groups. Baldock DF to 80 km SW of Paris. Did not return next day. Probably French Mil. Training station. |

SRAL – Finland – OH2BLU (Pekka)

| Society | kHz | UTC | DD | MM | ITU | IDENT | MODE | BAUD | SHIFT | REMARKS |
|---------|--------|------------|-------------|----|-----|--------|-------------|--------|--------|---------------------------------------|
| SRAL | 6999,0 | 0835 | 26. | 3 | | UiMUX | J7D | 12x120 | 12x200 | Subcarrier on 7000,3 |
| SRAL | 7000,0 | h24 | 1. –3. | 3 | ISR | UiCarr | N0N | | | |
| SRAL | 7002,0 | 0930-1000 | 13. | 3 | | UiPTR | F1B | | 200 | |
| SRAL | 7008,0 | 0630-0800 | 18. | 3 | | UiPTR | F1B | | 250 | |
| SRAL | 7010,0 | 0520 | 18. | 3 | | UiMUX | J7D | 12x120 | 12x200 | |
| SRAL | 7018,0 | 1630 | 22. | 3 | | UiMUX | J7D | 12x120 | 12x200 | |
| SRAL | 7022,0 | 0500-1740/ | 14. 18. | 3 | | UiMUX | J7D | 12x120 | 12x200 | |
| SRAL | 7025,0 | 1135 | 12. | 3 | | UiPTR | F1B | | 250 | |
| SRAL | 7026,0 | 0835 | 15. | 3 | | UiMUX | J7D | 12x120 | 12x200 | |
| SRAL | 7030,0 | 0545-0705 | 19. | 3 | | UiPTR | F1B/ N0N | | | |
| SRAL | 7032,0 | 0445-2000 | * | 3 | RUS | UiMUX | J7D | 12x120 | 12x200 | Days 15. 25. – 29. Kaliningrad |
| SRAL | 7033,0 | 1250-1310 | 19. | 3 | | UiPTR | F1B | | 250 | |
| SRAL | 7035,0 | 0645-1830/ | 14. 19. | 3 | | UiMUX | J7D | 12x120 | 12x200 | |
| SRAL | 7036,0 | 1430-1540/ | 11. 21. | 3 | | UiPTR | F1B | | 500 | |
| SRAL | 7038,7 | h24 | dly | 3 | UKR | D | A1A | | | Sevastopol |
| SRAL | 7038,8 | 0515-2030 | * | 3 | RUS | P | A1A | | | Kaliningrad, days: 6.-13. 22. 25. 27. |
| SRAL | 7038,9 | h24 | 1. – 25. | 3 | RUS | S | A1A | | | Severomorsk |
| SRAL | 7039,0 | 0540- | * | 3 | RUS | C | A1A | | | Moscow, days: 1.- 20. |

| Society | KHz | UTC | DD | MM | ITU | IDENT | MODE | BAUD | SHIFT | REMARKS |
|---------|---------|-------------|----------|----|-----|-------------|-------|--------|--------|---|
| | | 1830 | | | | | | | | 29. |
| SRAL | 7041,0 | 1900 | 6. | 3 | | UiCW | A1A | | | MR 5BL |
| SRAL | 7044,0 | 0910-0936/ | 20. | 3 | | UiPTR | F1B | | 500 | |
| SRAL | 7048,0 | 0755-1005 | 8. | 3 | | UiCW | A1A | | | |
| SRAL | 7054,0 | /1700-0700/ | 2. – 31. | 3 | RUS | | F1B | | 200 | |
| SRAL | 7057,0 | 1900-1922/ | 19. | 3 | | UiMUX | J7D | 12x120 | 12x200 | |
| SRAL | 7058,0 | 0910 | 19. | 3 | | UiPTR | F1B | | | |
| SRAL | 7061,0 | 0700-0800 | 19. | 3 | | UiMUX | J7D | 12x120 | 12x200 | |
| SRAL | 7072,0 | 0550-0700 | 24. 26. | 3 | | UiMUX | J7D | 12x120 | 12x200 | |
| SRAL | 7100,0 | 1030-1100 | 3. | 3 | | UiCarr | N0N | | | |
| SRAL | 7112,0 | 0940-1025 | 19. 25. | 3 | | UiPTR | F1B | | 250 | |
| SRAL | 7114,0 | 0730-1250 | 15. 25. | 3 | | UiMUX | J7D | 12x120 | 12x200 | |
| SRAL | 7120,0 | 0350-0500 | dly | 3 | SOM | R. Hargeisa | A3E | | | |
| SRAL | 7122,0 | 0930-1000 | 13. | 3 | | UiPTR | F1B | | 200 | |
| SRAL | 7122,0 | 1610-1645/ | 13. | 3 | | UiMUX | J7D | 12x120 | 12x200 | |
| SRAL | 7132,5 | 1335 | 20. | 3 | | UiPTR | F1B | | 500 | |
| SRAL | 7137,0 | 1500-1927/ | * | 3 | | UiPTR | F1B | | 200 | Days: 1. 13. 20. 24. |
| SRAL | 7142,0 | 0745-1315 | 6. 28. | 3 | RUS | UiPTR | F1B | | 250 | Kaliningrad |
| SRAL | 7144,0 | 0700-1230 | 19. 26. | 3 | | UiMUX | J7D | 12x120 | 12x200 | |
| SRAL | 7162,0 | 0540-1608/ | * | 3 | | UiPTR | F1B | | | Days: 6. 19. 26. 31. |
| SRAL | 7166,0 | 0530-2030 | * | 3 | | UiCW | A1A | | | Days: 14. 27. 28. |
| SRAL | 7168,7 | 1300-1700/ | 22. | 3 | | UiCarr | N0N | | | |
| SRAL | 7169,0 | 0800-1105 | * | 3 | | IO4H etc. | A1A | | | Days: 2. 19. 22. 25. 26. 27. |
| SRAL | 7175,0 | 1400-1800 | dly | 3 | ERI | VoBME 2 | A3E | | | QSY 7175 –7185 kHz, jammed by ETH until 1700, |
| SRAL | 7176,0 | 0545-0800 | 6. | 3 | | UiPTR | F1B | | | |
| SRAL | 7178,0 | 1500-1645 | 18. | 3 | | UiMUX | J7D | 12x120 | 12x200 | |
| SRAL | 7186,0 | 1130-1149/ | 12. | 3 | | UiPTR | F1B | | | |
| SRAL | 7190,0 | 0700 | 28. | 3 | | Uivox | R3E-u | | | Russian |
| SRAL | 7192,0 | 0745-0800 | 28. | 3 | | UiMUX | J7D | 12x120 | 12x200 | |
| SRAL | 7193,0 | 1045-1215 | 3. | 3 | | UiPTR | F1B | | 200 | |
| SRAL | 7196,0 | 1250 | 19. | 3 | | UiPTR | F1B | | | |
| SRAL | 7198,0 | 0530-0730 | 21. | 3 | | UiMUX | J7D | 12x120 | 12x200 | |
| SRAL | 7200,0 | 1900-2100 | 1. – 4. | 3 | SDN | R Sudan | A3E | | | |
| SRAL | 13999,0 | 0705-0840/ | 6. | 3 | | UiMUX | J7D | 12x120 | 12x200 | Subcarrier 14000,3 |
| SRAL | 14000,0 | 0555-2020 | 3. – 5. | 3 | ISR | UiCarr | N0N | | | |
| SRAL | 14008,0 | 0905 | 5. | 3 | | UiPTR | F1B | | 250 | |
| SRAL | 14169,0 | 0715-0750 | 25. | 3 | RUS | UiPTR | F1B | | 200 | |

| Society | kHz | UTC | DD | MM | ITU | IDENT | MODE | BAUD | SHIFT | REMARKS |
|---------|---------|------------|--------|----|-----|-----------------|------|--------|--------|---|
| SRAL | 14221,0 | 0640-1630 | 18. | 3 | | UiPTR | F1B | | 200 | |
| SRAL | 14253,0 | 0525-1145 | * | 3 | | UiPTR | F1B | | 250 | Days: 4. 11. 18. 25. |
| SRAL | 14263,0 | 0905-0943/ | * | 3 | | UiPTR | F1B | | 250 | Days: 9. 17. 28. |
| SRAL | 14265,0 | 0745-0810 | * | 3 | | UiMUX | J7D | 12x120 | 12x200 | Days: 9. 17. 28. |
| SRAL | 14295,2 | 0400-1730 | dly | 3 | TJK | R Tojikiston | A3E | | | 3f 4765,07 kHz, Yangiyul TX |
| SRAL | 14306,0 | 0705 | 6. | 3 | | UiMUX | J7D | 12x120 | 12x200 | |
| SRAL | 18 MHz | 0545-0840 | * | 3 | | UiOTHR | FMCW | | | 50Hz / 20 kHz, days: 2. 16. 19. 30. |
| SRAL | 21001,5 | 0530-1430 | 1. 20. | 3 | RUS | UiPTR | F1B | | 150 | Part of vocoder signal inside amateur band |
| SRAL | 21 MHz | 0645-1336 | * | 3 | | UiOTHR | FMCW | | | 50Hz / 20 kHz, days: 1. 6. 7. 8. 9. 11. 13. 14. 15. 17. 18. 19. 20. 28. 31. (25 reports) |
| SRAL | 21438,0 | 0800-0815 | 18. | 3 | RUS | RCV | A1A | | | |
| SRAL | 28 MHz | 1320-1425 | 1. 31. | 3 | | UiOTHR | FMCW | | | 3 reports |

USKA – Switzerland – HB9CET (Peter)

| SOC | kHz | UTC | DD | MM | ITU | IDENT | MODE | BD | SH (BW) | DETAILS |
|------|---------|------|----|----|-----|--------|-------|----------------|---------|---|
| USKA | 3532.0 | 2239 | 02 | 03 | | | B7D | 75 | 6k00E | Link 11- CLEW often (in DSB mode) |
| USKA | 6999.0 | 0831 | 26 | 03 | | | J7D | 12x120 | 2k6 | PSK-2: CIS12 = AT3004D partially in the 40m band |
| USKA | 7030.0 | 0903 | 06 | 03 | | | F1B | 75 | 250 | |
| USKA | 7032.0 | 0847 | 25 | 03 | | | J7D | 12x120 | 2k6 | PSK-2: CIS12 = AT3004D |
| USKA | 7038.7 | 1828 | 01 | 03 | UKR | D | A1A | | | Beacon D Sevastopol daily |
| USKA | 7038.9 | 1542 | 05 | 03 | RUS | S | A1A | | | Beacon S Murmansk daily |
| USKA | 7039.0 | 0758 | 22 | 03 | RUS | C | A1A | | | Beacon C Moscow daily |
| USKA | 7039.3 | 1827 | 01 | 03 | RUS | K | A1A | | | Beacon K Petropavlovsk daily |
| USKA | 7039.4 | 1545 | 05 | 03 | RUS | M | A1A | | | Beacon M Magadan daily |
| USKA | 7054.0 | 2129 | 01 | 03 | RUS | | F1B | 50 | 200 | daily |
| USKA | 7070.0 | 2136 | 01 | 03 | | MV | MFSK8 | 125 | 1750 | MIL 188-141A daily |
| USKA | 7070.0 | 0321 | 01 | 03 | | 244 | MFSK8 | 125 | 1750 | MIL 188-141A daily |
| USKA | 7070.0 | 2142 | 01 | 03 | | 514 | MFSK8 | 125 | 1750 | MIL 188-141A daily |
| USKA | 7070.0 | 0341 | 01 | 03 | | 571 | MFSK8 | 125 | 1750 | MIL 188-141A daily |
| USKA | 7070.0 | 0321 | 26 | 03 | | 686 | MFSK8 | 125 | 1750 | MIL 188-141A often |
| USKA | 7070.0 | 2240 | 25 | 03 | | 820202 | MFSK8 | 125 | 1750 | MIL 188-141A often |
| USKA | 7088.8 | 0913 | 01 | 03 | | | A1A | | | different speed rates; many special characters often |
| USKA | 7105.0 | 2239 | 21 | 03 | TWN | | A3E | | | BC (2 stations) daily |
| USKA | 7105.0 | 2239 | 21 | 03 | CHN | | A3E | | | BC (2 stations) daily |
| USKA | 7110.0 | 0019 | 20 | 03 | MYA | | A3E | | | BC daily |
| USKA | 7120.0 | 1518 | 05 | 03 | SOM | | A3E | | | Radio Hargeisa daily |
| USKA | 7142.0 | 0749 | 28 | 03 | | | F1B | 75 | 250 | |
| USKA | 7162.0 | 0901 | 06 | 03 | | | F1B | 75 | 250 | |
| USKA | 7175.0 | 1517 | 05 | 03 | | | A3E | | | BC, jammed often |
| USKA | 7175.0 | 1517 | 05 | 03 | | | Noise | | 10 kHz | Jammer often |
| USKA | 7185.0 | 1537 | 27 | 03 | | | A3E | | | BC often |
| USKA | 7185.0 | 1537 | 27 | 03 | | | Noise | | 10 kHz | Jammer often |
| USKA | 7189.0 | 1341 | 24 | 03 | | | J7D | | 2k6 | CIS12 system, idling |
| USKA | 7196.0 | 1103 | 15 | 03 | | | A1A | | | no ham content |
| USKA | 14000.0 | 0901 | 01 | 03 | | | J3E-U | | | unid language |
| USKA | 14001.5 | 0828 | 21 | 03 | | | F1B | 600 | 600 | unid Burst system (2x300Hz?) |
| USKA | 14001.8 | 0839 | 26 | 03 | | | MPSK | 75Bd 2400Bd | 3k0 | Hybrid system; intro, followed by PSK4 75Bd/PSK-8 2400Bd |
| USKA | 14026.0 | 0931 | 29 | 03 | | | J7D | 12x120 | 2k6 | PSK-2: CIS12 = AT3004D |
| USKA | 14044.0 | 0854 | 06 | 03 | | | F1B | 75 | 250 | |
| USKA | 14162.0 | 0924 | 29 | 03 | | | J7D | 12x120 | 2k6 | PSK-2: CIS12 = AT3004D |

| SOC | kHz | UTC | DD | MM | ITU | IDENT | MODE | BD | SH (BW) | DETAILS |
|------|----------|------|----|----|-----|-------|---------|---------|---------|--|
| USKA | 14192.0 | 1013 | 23 | 03 | | | F1B | 50 | 500 | |
| USKA | 14192.0 | 0855 | 25 | 03 | | | F1B | 50 | 200 | CIS 50-50 often |
| USKA | 14250.0 | 0820 | 20 | 03 | | | FMCW | | 10k | OTHR |
| USKA | 14340.0 | 0953 | 29 | 03 | | | J7D | 12x120 | 2k6 | CIS12, distorted emission |
| USKA | 14344.65 | 1307 | 21 | 03 | | | PSK-8 | 2400 | 2k4 | Hybrid system often |
| USKA | 14345.0 | 1255 | 21 | 03 | | | FMCW | var | 10k | OTHR, BurstsysteM, varying sweep rates, BD and BRI |
| USKA | 18107.0 | 0948 | 01 | 03 | | | F1B | 36 | 250 | CIS 36-50 almost daily |
| USKA | 18107.0 | 0949 | 01 | 03 | | | F1B | 50 | 250 | CIS 36-50 almost daily |
| USKA | 21050.0 | 1002 | 01 | 03 | | | FMCW | 50 sps | 20k | OTHR |
| USKA | 21100.0 | 0907 | 01 | 03 | | | FMCW | 50 sps | 20k | OTHR |
| USKA | 21001.5 | 0958 | 01 | 03 | | | F1B | 100 | 150 | almost daily |
| USKA | 21200.0 | 1241 | 13 | 03 | | | FMCW | 50 sps | 20k | OTHR |
| USKA | 21210.0 | 1022 | 23 | 03 | | | FMCW | | 10k | OTHR, short bursts |
| USKA | 21390.0 | 1241 | 03 | 03 | | | FMCW | 50 sps | 20k | OTHR |
| USKA | 21403.15 | 1102 | 24 | 03 | | | N0N | | | long lasting carrier |
| USKA | 21410.0 | 1026 | 06 | 03 | | | FMCW | 50 sps | 20k | OTHR |
| USKA | 28016.44 | 1611 | 22 | 03 | | BY | N0N/A1A | | | Fishery buoy |
| USKA | 28047.0 | 1735 | 20 | 03 | | | F1B | 51 | ~300 | GPS buoy, short bursts BD 3", BRI ~10-15' |
| USKA | 28049.0 | 1645 | 20 | 03 | | | F1B | 51 | ~300 | GPS buoy, short bursts BD 3", BRI ~10-15' daily |
| USKA | 28049.5 | 1741 | 20 | 03 | | | F1B | 51 | ~300 | GPS buoy, short bursts BD 3", BRI ~10-15' daily |
| USKA | 28049.75 | 1139 | 19 | 03 | | AG | N0N/A1A | | | Fishery buoy |
| USKA | 28049.86 | 1631 | 20 | 03 | | EW | N0N/A1A | | | Fishery buoy |
| USKA | 28125.0 | 1536 | 11 | 03 | | | FMCW | var sps | ~50k | OTHR varying sweep rates |
| USKA | 28165.0 | 1601 | 07 | 03 | | | FMCW | var sps | ~50k | OTHR varying sweep rates |
| USKA | 28215.0 | 1028 | 06 | 03 | | | FMCW | var sps | ~50k | OTHR varying sweep rates |
| USKA | 28256.0 | 1540 | 11 | 03 | | | FMCW | var sps | ~50k | OTHR varying sweep rates |
| USKA | 28275.0 | 1531 | 23 | 03 | | | F1B | 51 | ~300 | GPS buoy, short bursts BD 3", BRI ~10-15' daily |
| USKA | 28285.0 | 1545 | 06 | 03 | | | FMCW | var sps | ~50k | OTHR varying sweep rates |
| USKA | 28295.0 | 1029 | 06 | 03 | | | FMCW | var sps | ~50k | OTHR varying sweep rates |
| USKA | 28315.0 | 1543 | 11 | 03 | | | FMCW | var sps | ~50k | OTHR varying sweep rates |
| USKA | 28380.0 | 1031 | 06 | 03 | | | FMCW | var sps | ~50k | OTHR varying sweep rates |
| USKA | 28425.0 | 1033 | 06 | 03 | | | FMCW | var sps | ~50k | OTHR varying sweep rates |
| USKA | 28445.0 | 1558 | 07 | 03 | | | FMCW | var sps | ~50k | OTHR varying sweep rates |
| USKA | 28500.0 | 1050 | 23 | 03 | | | FMCW | 50 sps | 20k | OTHR |
| USKA | 28700.0 | 0920 | 20 | 03 | | | FMCW | var sps | ~80k | OTHR varying sweep rates |
| USKA | 28705.0 | 1537 | 30 | 03 | | | FMCW | var sps | ~80k | OTHR varying sweep rates |
| USKA | 29250.0 | 1342 | 18 | 03 | | | F1B | 81.9 | 140 | Datawell buoy daily |
| USKA | 29375.0 | 1416 | 20 | 03 | | | F1B | 81.9 | 140 | Datawell buoy daily |
| USKA | 29450.0 | 1309 | 20 | 03 | | | F1B | 81.9 | 140 | Datawell buoy daily |
| USKA | 29525.0 | 1313 | 20 | 03 | | | F1B | 81.9 | 140 | Datawell buoy daily |

Veron 1 – Netherlands – PA2GRU (Dick)

| SOC | kHz | UTC | DD | MM | ITU | IDENT | MODE | SHIFT | DETAILS |
|-------|---------|-------|----|----|---------|----------|-------|-------|---------------------------------------|
| VERON | 7038,7 | 21.37 | 3 | 3 | UKR | D | A1A | | Beacon Sevastopol |
| VERON | 7038,7 | 21.21 | 16 | 3 | UKR | D | A1A | | Beacon Sevastopol |
| VERON | 7038,8 | 08.55 | 28 | 3 | RUS | P | A1A | | P-beacon |
| VERON | 7038,9 | vt | vd | 3 | RUS | S | A1A | | S-beacon |
| VERON | 7038,9 | 21.03 | 2 | 3 | RUS | S | A1A | | Beacon Severomorsk |
| VERON | 7050,0 | 16.00 | 23 | 3 | E | UiILL | J3E-u | | Spanish, male voices, fishery |
| VERON | 7054,0 | 20.15 | vd | 3 | RUS | UiPtr | F1B | 200 | Revs, Rus. Airforce, nr. Moscow, 25/3 |
| VERON | 7054,0 | 21.02 | 2 | 3 | RUS | UiPtr | F1B | 200 | Printer |
| VERON | 7054,0 | 23.21 | 3 | 3 | RUS | UiPtr | F1B | 200 | Printer |
| VERON | 7105,0 | 22.14 | 16 | 3 | CHN/TWN | BC | A3E | | 2 Chinese BC stations; both S9+10 |
| VERON | 7120,0 | 18.41 | 26 | 3 | SOM | Radio H. | A3E | | male voice, speech |
| VERON | 7189,0 | 11.55 | 16 | 3 | UK | UiILL | J3E-u | | English, male voices, fishery |
| VERON | 10144,0 | 14.07 | 25 | 3 | | UiPTR | F1B | | Ptr |

| SOC | kHz | UTC | DD | MM | ITU | IDENT | MODE | SHIFT | DETAILS |
|-------|---------|-------|----|----|------|---------|-------|-------|---|
| VERON | 10150,0 | 18.32 | 26 | 3 | | OTHR | FMCW | | 10138-10160 KHz qrt at 18.36 utc |
| VERON | 14000,0 | 15.33 | 24 | 3 | E | UiILL | J3E-u | | Spanish, male voices |
| VERON | 14000,0 | 12.18 | 4 | 3 | ISR? | UiCAR | NON | | carrier, S-5, S-6 |
| VERON | 14008,0 | 08.57 | 5 | 3 | CIS | UiPTR | F1B | | Carrier/Revs/Ptr (also: 14/3 at 10.08utc) |
| VERON | 14067,0 | 15.24 | 31 | 3 | ? | UiILL | J3E-u | | Unknown language, male voices |
| VERON | 14160,0 | 11.29 | 29 | 3 | | UiMUX | PSK | | 12 MPSK |
| VERON | 14169,0 | 14.05 | 25 | 3 | | UiPTR | F1B | | Ptr |
| VERON | 14192,0 | 10.05 | 14 | 3 | | UiCAR | A1A | | Strong Carrier |
| VERON | 14192,0 | 15.56 | 16 | 3 | RUS | UiPtr | F1B | 200 | Printer |
| VERON | 14214,0 | 16.49 | 2 | 3 | E | UiILL | J3E-u | | Spanish, male voices, fishery |
| VERON | 14221,0 | 10.45 | 24 | 3 | E | UiILL | J3E-u | | Spanish,3 male voices, fishery |
| VERON | 14253,0 | 13.48 | 8 | 3 | | UiPTR | F1B | | Ptr (also: 22/3 at 14.00utc) |
| VERON | 18092,0 | 09.04 | 1 | 3 | | UiPTR | F1B | | Idling (legal) |
| VERON | 18107,0 | 09.17 | 4 | 3 | | UiPTR | F1B | | Revs/Ptr (also: 14/3 at 10.30utc) (legal) |
| VERON | 18107,0 | 10.39 | 14 | 3 | RUS | RGT77 | F1A | | XXX RGT77 31228 25775 PODUchINA |
| VERON | 18107,0 | 10.39 | 14 | 3 | RUS | RGT77 | F1A | | 5302 6961 GWERILXaZ 9541 3782 k |
| VERON | 18107,0 | 10.41 | | | CIS | W6BY | F1A | | XXX W6BY 25314 97760 SIESTA 3971 |
| VERON | 18107,0 | 10.41 | | | CIS | W6BY | F1A | | 6081 GRISBOK 0642 0815 k |
| VERON | 21001,5 | 09.48 | 6 | 3 | RUS | UiPTR | F1B | 150 | Yaktha, St. Peterburg |
| VERON | 21001,5 | 10.21 | 22 | 3 | RUS | UiPTR | F1B | | Yaktha, St. Peterburg, 24/3 13.02 utc |
| VERON | 21389,0 | 12.47 | 3 | 3 | | UiRadar | FMCW | 23k | OTHR 50pps |
| VERON | 24890,0 | 12.00 | 18 | 3 | | OTHR | FMCW | | 24890-24910 KHz |
| VERON | 24901,0 | 12.35 | 5 | 3 | | | | | frequency hopper |
| VERON | 28114,0 | 14.15 | 27 | 3 | | | | | Frequency hopper |
| VERON | 28175,0 | 12.30 | 1 | 3 | RUS | Taxi | F3E | | female voice, taxi traffic |
| VERON | 28526,0 | 13.47 | 16 | 3 | | | | | Frequency hopper |

The monitoring team of IARU Region 1

Many thanks for your interest!

credits:

Wavecom Elektronik – Buelach – Switzerland

SSB-Electronic – Iserlohn – Germany

BAZ – Special Antennas – Bad Bergzabern - Germany

FTS – Funktechnik Seipelt – Hoppegarten - Germany

German PTT (BNetzA = Federal Network Agency)

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