



Monitoring Report October 2017

| kHz | UTC | DD | MM | ITU | IDENT | MODE | BD | SH (BW) | DETAILS |
|---|------|----|----|-----|--------|-------|--------|---------|---|
| 80m band informational only! - Co-Primary, shared with other also primary allocated services! | | | | | | | | | |
| 3500.0 | 2114 | 23 | 10 | | | J3E-U | | | English, Fishery |
| 3505.0 | 2234 | 09 | 10 | | | J3E-U | | | English dialect |
| 3524.0 | 2218 | 09 | 10 | | | F1B | 75 | 250 | |
| 3527.0 | 2059 | 02 | 10 | | | F1B | 50 | 200 | daily |
| 3538.0 | 2124 | 23 | 10 | | | F1B | 75 | 250 | |
| 3548.0 | 2101 | 02 | 10 | | | F1B | 50 | 200 | |
| 3549.0 | 2222 | 09 | 10 | | | J7D | 12x120 | 2k7 | BPSK; CIS12 |
| 3549.0 | 2259 | 19 | 10 | | | F1B | 75 | 200 | often |
| 3549.0 VFO USB | 2130 | 23 | 10 | | | PSK8 | 2400 | 2k7 | MIL188-110A (Hybrid), preamble 4 tones, 450Hz spacing often |
| 3550.0 | 2104 | 02 | 10 | | | J7D | 12x120 | 2k7 | BPSK; CIS12 |
| 3553.8 | 2106 | 02 | 10 | | | PSK8 | 2400 | 2k4 | Stanag 4285 often |
| 3582.0 | 2257 | 19 | 10 | | | J7D | 12x120 | 2k7 | BPSK; CIS12 often |
| 3591.0 | 2119 | 23 | 10 | | | J7D | 12x120 | 2k7 | QPSK; CIS12 |
| 3642.5 | 2109 | 02 | 10 | | | DQPSK | 14x75 | 5k9 | LINK 11 CLEW; ISP or DSP Mode |
| 3705.0 | 2206 | 27 | 10 | | | J7D | 12x120 | 2k7 | BPSK; CIS12 |
| 3759.0 | 0709 | 12 | 10 | | | J7D | 12x120 | 2k7 | QPSK; CIS12 |
| 3774.0 | 2231 | 09 | 10 | | | J7D | 12x120 | 2k7 | BPSK; CIS12 |
| 3797.0 | 2113 | 02 | 10 | | RCV | A1A | 21 wpm | | letters and figures |
| 7016.0 | 2155 | 11 | 10 | | | F1B | 75 | 250 | |
| 7030.0 | 1036 | 30 | 10 | | | J7D | 12x120 | 2k7 | BPSK; CIS12 (weak) |
| 7037.5 | 1701 | 10 | 10 | | | J7D | 12x120 | 2k7 | BPSK; CIS12 |
| 7059.0 | 0831 | 30 | 10 | | | F1B | 75 | 250 | |
| 7111.0 | 2126 | 19 | 10 | | | F1B | 75 | 250 | |
| 7137.0 | 2110 | 23 | 10 | | | F1B | 50 | 200 | |
| 7120.0 | 1817 | 30 | 10 | SOM | | A3E | | | BC; Radio Hargaysa almost daily |
| 7139.0 VFO USB | 2200 | 11 | 10 | | var | F1B | 100 | 170 | CODAN Selcall |
| 7140.0 | 1509 | 02 | 10 | | | A3E | | | BC; massively jammed often |
| 7140.0 | 1509 | 02 | 10 | | | | | ~ 10k | Jammer, white noise often |
| 7142.0 VFO USB | 2157 | 11 | 10 | | var | F1B | 100 | 170 | CODAN Selcall |
| 7154.5 | 0820 | 30 | 10 | | | J7D | 12x120 | 2k7 | BPSK; CIS12 |
| 7176.0 | 1820 | 30 | 10 | | | F1B | 75 | 200 | |
| 7177.0 | 1505 | 02 | 10 | | | F1B | 50 | 200 | |
| 7181.5 | 1501 | 02 | 10 | ERI | | A3E | | ~8k | BC, massively jammed; often |
| 7180.0 | 1502 | 02 | 10 | | | | | ~ 10k | Jammer, white noise, heavy |
| 7197.0 | 2132 | 19 | 10 | | 319013 | MFSK8 | 125 | 1750 | ALE, MIL 188-141A |
| 7197.0 | 2134 | 19 | 10 | | 8241 | MFSK8 | 125 | 1750 | ALE, MIL 188-141A |
| 7197.0 | 2144 | 19 | 10 | | 358018 | MFSK8 | 125 | 1750 | ALE, MIL 188-141A |
| 7197.0 | 2145 | 19 | 10 | | 315013 | MFSK8 | 125 | 1750 | ALE, MIL 188-141A |
| 7197.0 | 2153 | 19 | 10 | | 302018 | MFSK8 | 125 | 1750 | ALE, MIL 188-141A |
| 7197.0 | 2158 | 19 | 10 | | 348013 | MFSK8 | 125 | 1750 | ALE, MIL 188-141A |
| 7197.0 | 2200 | 19 | 10 | | 309018 | MFSK8 | 125 | 1750 | ALE, MIL 188-141A |
| 7197.0 | 2211 | 19 | 10 | | 306013 | MFSK8 | 125 | 1750 | ALE, MIL 188-141A |
| 7197.0 | 2213 | 19 | 10 | | 332018 | MFSK8 | 125 | 1750 | ALE, MIL 188-141A |
| 14160.0 | 1106 | 11 | 10 | | | F1A | | 250 | some short cw, with Q-codes |



USKA - Bandwacht

Member of IARU Monitoring System R1



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|--------------------|------|----|----|-----|-------|--------|---------|---------|--|
| 14160.0 | 1107 | 11 | 10 | | | F1B | 75 | 250 | often |
| 14103.0 | 0832 | 27 | 10 | | | FMCW | var | 10k | OTHR, Burst system; various sweep rates: 41/51/66.66 sps |
| 14192.0 | 1506 | 02 | 10 | | | F1B | 50 | 200 | almost daily |
| 14242.0 | 0817 | 11 | 10 | | | J7D | 12x120 | 2k7 | BPSK; CIS12 |
| 14259.0 VFO USB | 0721 | 17 | 10 | | | OFDM60 | 30 | 2k7 | PSK4 modulated Tone spacing 44.45Hz |
| 14259.0 VFO USB | 0726 | 17 | 10 | | | OFDM60 | 35.56 | 2k7 | PSK8 modulated Tone spacing 44.45Hz |
| 14259.0 | 0734 | 17 | 10 | | | J3E-U | | 2k4 | Russian |
| 18107.0 | 0654 | 10 | 10 | | RDL | F1B | 36 | 200 | CIS 36-50 |
| 18107.0 | 0655 | 10 | 10 | | RDL | F1B | 50 | 200 | CIS 36-50 |
| 18107.0 | 0856 | 30 | 10 | | RDL | F1A | | 200 | groups of five |
| 21140.0 | 1102 | 11 | 10 | | | FMCW | 50 sps | 20k | OTHR, |
| 21438.0 | 0953 | 27 | 10 | | RCV | A1A | | | letters and figures |
| 21450.0 | 0659 | 10 | 10 | | | ? | | 7.6k | unident digital emission |
| 28960.0 | 0855 | 11 | 10 | | | FMOP | 150+313 | ~50k | OTHR |

Errors and omissions excepted

Digital transmissions: Frequency indications mostly center frequency; otherwise indicated. ALE, MIL 188-141A = usually VFO USB !

BC = Broadcast // **BD** = Baud, or also Burst duration // **BRI** = Burst repetition interval // **SH** = Shift or Spacing (Hz)

BW = Bandwidth // **OTHR** = over the horizon radar // **FMCW** = frequency modulated continuous wave //

FMOP = frequency modulated on pulse // **sps** = sweeps per second // **vd** = various dates // **vt** = various times

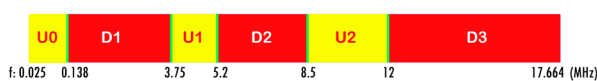
Peter A. Jost / HB9CET
 Vice-Cordinator IARU Monitoring System R1
 Friedheimstrasse 34b
 CH 8057 Zürich
 E-Mail: guard@uska.ch

USKA Radio Monitoring
www.uska.ch
Member of IARU Monitoring System
www.iaru.org/monitoring-system
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EMC: Are you being impacted by interferences, e.g. from VDSL, Photovoltaic, switched Power Supply, LED lamp etc? Do not hesitate and send an interference report to OFCOM (BAKOM), it is very important! But first check that the equipment in your own house is not the source of the interference!

Interference by VDSL2

Here you see the change in noise level at the band transitions from downstream D1 and upstream U1. Usually these are nominally around 0.138 MHz, 3.75 MHz, 5.2 MHz, 8.5 MHz, 12 MHz, and 17.664 MHz, depending of the used bandplan (picture below). This is the easiest way to detect VDSL.



VDSL could notch out our bands, but unfortunately it's not the case by default!

