



Monitoring Report February 2020

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD / sps wpm	SH / BW	DETAILS
80m band informational only! - Amateur co-primary, shared with other also primary allocated services!									
3501.0	1623	05	02			F1B	81	250	CIS 81-81
3510.0 USB	1629	05	02			xx		ca. 3k	unid mysteriousChirps often ca 450Hz spacing
3524.0	1630	05	02			F1B	75	250	
3525.0	1631	05	02			B7D DQPSK	16x75	6k00E	LINK 11 CLEW DSB Mode
3527.0	2207	27	02			F1B	50	200	
3550.0	2212	05	02			J7D	12x120	2k7	PSK-2; CIS12 aka AT3004D
3581.8	2218	27	02			G1D PSK8	2400	3K00E	STANAG 4285
3589.8	1634	05	02			G1D PSK8	2400	3K00E	STANAG 4285
3590.0	1638	05	02			J7D	12x120	2k7	PSK-2; CIS12 aka AT3004D
3691.0	1557	27	02			F1B	50	200	
3753.8	1647	05	02			G1D PSK8	2400	3k00E	LINK 11 SLEW
3758.8	1643	05	02			G1D	2400	2k7	ALE, MIL 188-110B
3774.0	2221	27	02			J7D	12x120	2k7	PSK-2; CIS12 with a carrier at 3772.0kHz and pilot-tone at 3300Hz
7000.0	2129	04	02			J3E-U		2k1	unident language
7001.0	1304	28	02			OFDM-60 PSK-4A	30	ca 2k80E	tone spacing 44.44Hz; Pilottone
7021.0	1529	26	02			F1B	600	500	
7025.0	1635	18	02			F1B	50	200	
7049.0	1326	28	02			OFDM-60 PSK-4B	30	ca 2k80E	tone spacing 44.44Hz; Pilottone
7051.0	2252	02	02			F1B	50	200	almost daily
7055.0	1528	25	02			J3E-L		ca 3k0E	hate music, singing; statements
7078.0	0900	04	02			J7D	12x120	2k7	PSK-2; CIS12 aka AT3004D
7118.0	1520	25	02			J7D	12x120	2k7	PSK-2; CIS12 aka AT3004D
7121.0	1543	14	02		811001	MFSK8	125	1750	ALE, MIL 188-141A
7122.0	0901	04	02			F1B	50	200	CIS 50-50 almost daily
7122.0	1523	14	02		RDL	F1A		200	figures and letters often
7134.0	1534	26	02			F1B	50	200	
7140.0	1559	14	02	ERI	VOBM	A3E		~ 9k	BC daily
7142.0	1413	26	02			F1B	75	250	
7150.0	2257	02	02		1028	MFSK8	125	1750	ALE, MIL 188-141A
7151.0	2307	06	02			F1B	75	200	
7192.0	0913	13	02			F1B	75	250	
7193.0	1022	03	02	RUS	RDL	F1B	50	200	TDoA: Kaliningrad almost daily
7193.1	1103	03	02	RUS	RDL	F1A	17 wpm	200	Numbers and letters; encrypted
7197.0	0914	04	02	TUR	var	MFSK8	125	1750	ALE, MIL 188-141A; TUR Network
7198.0	1246	03	02			J7D	12x120	2k7	PSK-2; CIS12 aka AT3004D
7198.3	2331	09	02			PSK4	75		CHN 4+4: 8-tones, spacing 300 Hz between each carrier, 450 Hz between the two middle carriers
14031.0	0826	14	02			FMOP	50 sps	10k	OTHR; long lasting
14033.0	0902	12	02			FMOP	10 sps	40k	OTHR



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14093.0	0852	24	02			FMOP	40 sps	12k0E	OTHR, long lasting; strong fading
14149.0	1556	25	02			FMOP	40 sps	12k0E	OTHR; Contayner 29B6
14151.0	1528	21	02			FMOP	40 sps	12k0E	OTHR; Contayner 29B6
14178.0	0845	14	02			FMOP	10 sps	160k	OTHR (varying frequency)
14186.0	0838	14	02			FMOP	10 sps	160k	OTHR (varying frequency)
14189.0	1500	14	02			FMOP	40 sps	12k0E	OTHR; Contayner 29B6
14192.0	0921	22	02			FMOP	10 sps	160k	OTHR
14250.0	0834	14	02			FMOP	20 sps	160k	OTHR (varying frequency)
14259.0	0958	04	02			FMOP	50 sps	10k	OTHR; Bursts: BD 5s

Errors and omissions excepted

Analysis with W-Code 10.0 from Wavecom Elektronik AG; TDoA with Kiwi SDR; rx: Perseus SDR

Digital transmissions: Frequency mostly center frequency; otherwise indicated (LSB or USB).

aka = also known as | **BC** = Broadcast | **BD** = Baud, or also Burst duration | **BRI** = Burst repetition interval | **BW** = Bandwidth
ca = approximate | **CF** = Center frequency | **DF** = Direction finding (radio location) | **FMCW** = frequency modulated continuous wave | **FMOP** = frequency modulated on pulse | **OTHR** = over the horizon radar | **PRC** = **CHN** People's Republic of China
SH = Shift (Hz) | **sps** = sweeps per second | **PRC** = People's Republic of China | **RF** = Radio frequency = VFO |
TDoA Time difference of arrival | **vd** = various dates
vt = various times.

Peter A. Jost / HB9CET
 Coordinator a.I. IARU Monitoring System R1
 Head of USKA Bandwacht
 Friedheimstrasse 34b
 CH 8057 Zürich
 E-Mail: guard (at) uska.ch

USKA Spectrum Monitoring
 www.uska.ch
 Member of IARU Monitoring System R1
<https://www.iaru-r1.org/spectrum/monitoring-system/>
[https://www.iaru.org/spectrum/monitoring-system/hb9cet \(at\) iaru-r1.org](https://www.iaru.org/spectrum/monitoring-system/hb9cet (at) iaru-r1.org)

OFDM 60

60 orthogonal channels QPSK modulated, 30Bd, channel spacing is 44.44Hz. Pilot tone at ca 3300Hz
 Bandwidth: ca 2800 Hz (2k80E). Occasionally and in different versions to be found in amateur radio bands
 Picture: OFDM60 at 7049.0 kHz CF).

