Monitoring Report August 2020

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD / sps	SH / BW	DETAILS
7000.0	2201	31	08			J3E-U			Spanish
7008.0	1244	31	08			F1B	75 Bd	250H	
7019.0	1149	18	08			F1B		250H	
7029.0	2036	27	08			F1B	75 Bd	200H	
7054.0	1738	24	08			F1B	50 Bd	ca 180H	weak and strong fading
7055.0	0921	01	08			J3E-L		2k70E	Russian-Ukraininen Radio war mutual insults, hate-raps, music. often
7060.0	1356	12	08			J7D	12x120Bd	2k70E	CIS12
7064.0	2053	25	08			J7D	12x120Bd	2k70E	CIS12
7070.0	1257	31	08			J7D	12x120Bd	2k70E	CIS12
7077.0	0848	25	08			J7D	12x120 Bd	2k70E	CIS 12
7110.0	1356	19	08			F1B		250H	some fading
7111.0	1626	31	08			FMOP	66.66 sps	ca 10k0E	OTHR, burst duration 3.8s: "Foghorn"
7117.0	1640	31	08			FMOP	66.66 sps	ca 10k0E	OTHR, burst duration 3.8s: "Foghorn"
7118.0	2256	03	08			J7D	12x120Bd	2k70E	CIS12 often
7121.0	1940	31	08			FMOP	66.66 sps	ca 10k0E	OTHR, burst duration 3.8s: "Foghorn"
7122.0	2149	31	08			F1B		200H	
7138.0	0955	31	08			F1B		200H	
7140.0	1602	02	08	ERI	VOBM	A3E		ca 9k0E	BC: Voice of the broad Masses 1 daily
7140.0	1238	28	08			J7D	12x120Bd	2k70E	CIS12
7154.0	0851	25	08			FMxx	ca 2.6 sps	ca 30k0	OTHR; (Codar like); weak, strong via JA
7159.0 VFO USB	1511	06	08			14x75 Bd DQPSK		3k0E	LINK11 CLEW in SSB Mode often
7186.0	1139	18	08			J7D	12x120Bd	2k70E	BPSK, CIS12 often
7188.0	2304	03	08			FMOP	40 sps	12k0E	OTHR; Contayner
7200.0	1458	26	08			J7D	12x120Bd	2k70E	CIS12, ship
14000.000	1451	12	08			N0N			long lasting carrier
14000.0	0928	20	08			F1B/ARQ	600 Bd	600H	ARQ system
14008.0	0940	02	08			F1B		250H	almost daily
14026.0	0957	03	08			J7D	12x120	2k70E	CIS12; TDoA near Moscow
14052.0	0945	25	08			J7D	12x120 Bd	3k30E	PSK-2; CIS12 with carrier at 14050 (BW from carrier to Pilottone)
14092.0	0928	01	08			FMOP	40 sps	12k0E	OTHR; Contayner
14105.0	1017	31	08			FMOP	40 sps	12k0E	OTHR; Contayner
14108.0	0957	20	08			A1A		10H	Cyrillic, encrypted, almost daily
14136.0	1514	25	08			FMOP	40 sps	12k0E	OTHR; Contayner
14153.0	0943	24	08			FMOP	40 sps	12k0E	OTHR; Contayner; QRT: 0945
14158.0	1311	19	08			FMOP	40 sps	12k0E	OTHR; Contayner
14162.0	0948	17	08			J7D	12x120 Bd	2k70E	CIS12 BPSK or QPSK
14175.0	1641	26	08			FMOP	66.66 sps	ca 10k0E	OTHR, burst duration 3.8s: "Foghorn"
14189.0	1321	19	08			FMOP	40 sps	12k0E	OTHR; Contayner
14191.0	1649	18	08			FMOP	40 sps	12k0E	OTHR; Contayner
14193.0	1233	31	08			FMOP	40 sps	12k0E	OTHR; Contayner
14197.0	0942	20	08			FMOP	40 sps	12k0E	OTHR; Contayner; fading
14216.0	0917	20	08			FMOP	40 sps	12k0E	OTHR; Contayner
14221.0	2259	18	08			F1B		200H	almost daily
14299.0	1342	19	08			FMOP	40 sps	12k0E	OTHR; Contayner
14327.0	2218	30	08			FMOP	40 sps	12k0E	OTHR; Contayner
14328.0	1232	22	08			FMOP	40 sps	12k0E	OTHR; Contayner

USKA - Bandwacht

Member of IARU Monitoring System R1

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD / sps	SH / BW	DETAILS
18095.0	0800	29	08			FMCW	25 sps	2k80E	OTHR, UK base Cyprus
21054.0	0912	02	08			FMOP	40 sps	12k0E	OTHR; Contayner
21348.0	0925	02	08			FMOP	40 sps	12k0E	OTHR; Contayner
21438.0	1206	01	08		RCV	A1A		10H	TDoA: Area of Sevastopol daily
28860.0	0908	17	08	IRN		XXX	150 + 313 sps	ca 45k	OTHR, Bursts; long lasting, sweep rate alternating almost daily

Errors and omissions excepted

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

Abbreviations:

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) see also TDoA | **FMCW** = frequency modulated continuous wave | **FMOP** = frequency modulated on pulse | **OTHR** = over the horizon radar | **PRC** = **CHN** People´s Republic of China | **RF** = Radio frequency = VFO | **SH** = Shift (Hz) |**sps** = sweeps per second | **TDoA** Time difference of arrival | **ui** = unid = unidentified | **vd** = various dates | **vt** = various times.

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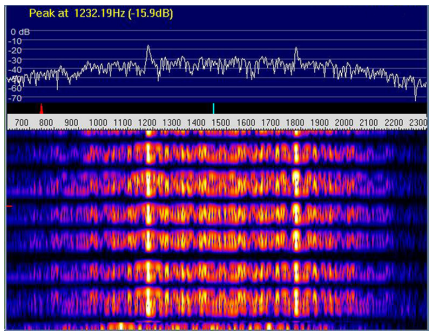
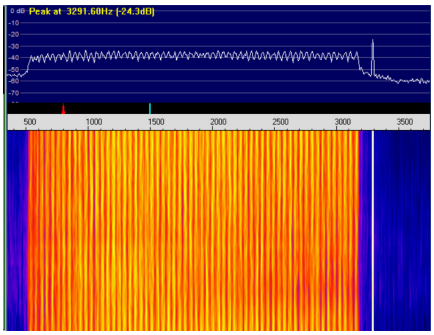
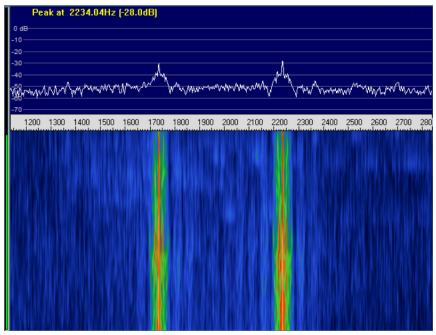
Screenshots die mit der zwar betagten aber immer noch guten Software Spectran gemacht wurden.



F1B: FSK ARQ Shift 600Hz

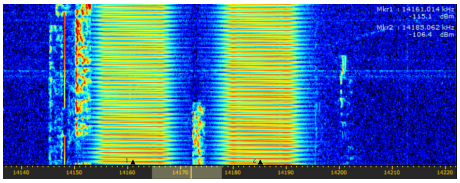


OFDM 60: 60 Töne + Pilotton
Die Anzahl Töne lassen sich gut abzählen

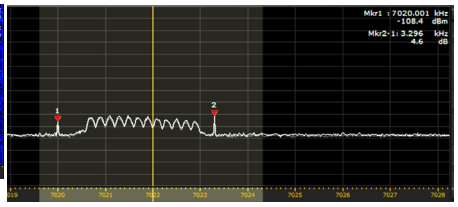


F1B: FSK, 200Hz Shift

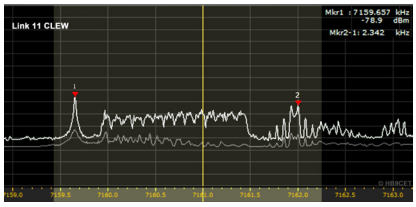
Screenshots mit Perseus SDR



2x OTH Radar Container auf 20m 14161 und 14185 kHz;Bandbreite je 12kHz. Solche Emissionen beeinträchtigen uns oft enorm!



CIS12: 12 Töne PSK moduliert, mit zusätzlichem Träger und Pilot-Ton bei 3300Hz. Die Töne lassen sich gut abzählen. Tone spacing 200Hz



LINK 11 CLEW: ESB Mode; Die 14 + 2 Töne lassen sich gut abzählen. Tone spacing 110Hz
Lt. Fachbüchern 75Bd, DQPSK moduliert

Aus unvorhergesehenen Gründen sind derzeit leider keine detaillierten Analysen möglich