



Monitoring Report September 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!									
3527.0	2136	03	09			F1B	50	200	daily
3552.0	2247	13	09			F1B	75	250	
3553.8	2139	03	09			PSK8	2400	2k4	Stanag 4285
3568.0	2248	13	09			F1B	75	250	
3578.0	2248	13	09			F1B	75	250	
3580.0	2145	03	09			F1B	75	200	
3582.0	2249	13	09			J7D	12x120	2k7	BPSK; CIS12
3732.0	2047	04	09			F1B	75	250	
7000.0	2122	03	09			J7D	12x120	2k7	BPSK; CIS12 often
7001.8	0838	12	09	TUR		PSK8	2400	2k4	Stanag 4285; often
7011.0 VFO USB	0907	12				OFDM60	30Bd	2k8	PSK4 modulated Tone spacing 44.46Hz
7018.0	0803	28	09			J7D	12x120	2k7	BPSK; CIS12
7103.0 VFO USB	2243	13	09		var	F1B	100	170	CODAN Selcall
7106.0 VFO USB	2224	13	09		var	F1B	100	170	CODAN Selcall
7112.0 VFO USB	2227	13	09		var	F1B	100	170	CODAN Selcall
7112.0 VFO LSB	2240	13	09			BPSK	30x60Bd	~2k5	Burst system; tone spacing 75 Hz. Preamble 4x PSK 60Bd, spacing 600Hz; Pilottone at 450Hz;
7114.0	2129	03	09			F1B	50	200	often
7116.0	2144	12	09		6669	MFSK8	125	1750	ALE, MIL 188-141A
7119.9	1617	03	09	SOM		A3E			BC; Radio Hargaysa almost daily
7122.0	1224	14	09			J7D	12x120	2k7	BPSK; CIS12
7128.0	1415	13	09			OFDM		~3k	
7136.0	1231	14	09			F1B	75	500	
7139.0 VFO USB	2133	12	09		var	F1B	100	170	CODAN Selcall
7140.0	1614	03	09			A3E			BC; massively jammed often
7140.0	1614	03	09					~ 20k	Jammer, white noise often
7142.0 VFO USB	2254	13	09		var	F1B	100	170	CODAN Selcall
7161.875	0807	28	09			A1A			Jammer; stupid and illegal!
7162.0	0807	28	09			F1B	75	250	jammed
7163.0 VFO LSB	2128	12	09			BPSK	30x60Bd	~2k5	Burst system; tone spacing 75 Hz. Preamble 4x PSK 60Bd, spacing 600Hz; Pilottone at 450Hz
7180.0	1611	03	09					~ 10k	Jammer, white noise, heavy
7181.5	1611	03	09	ERI?		A3E		~8k	BC, massively jammed
14000.0	1607	03	09			NON			long lasting carrier often
14160.0	0814	28	09			F1B	75	250	often
14185.0	0837	26	09			FMOP	10 sps	160k	OTHR
14192.0	0846	03	09			F1B	50	200	almost daily
14221.0	2032	04	09			F1B	50	200	almost daily
14240.0	0815	28	09			F1B	75	250	
14259.0 VFO USB	0733	14	09			OFDM60	35.56Bd	~ 2k8	8DPSK modulated Tone spacing 44.45Hz



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14280.0	0729	12	09			J7D	12x120	2k7	BPSK; CIS12
14280.0	1056	12	09			F1B	75	250	
14300.0	0841	26	09			FMOP	10 sps	160k	OTHR
14302.0	1146	01	09			J7D	12x120	2k7	BPSK; CIS12
14330.5	1227	08	09			PSK2-B	1200	1k2	ARQ
14344.0	1159	12	09			J7D	12x120	2k7	BPSK; CIS12
18107.0	1150	06	09		RDL	F1B	36 + 50	200	CIS 36-50 often
18107.0	1627	27	09		RDL	F1A		200	groups of five
18170.0	1431	27	09			FMCW	50 sps	20k	OTHR, partially in 17m band

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

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CIS OFDM 60

(Orthogonal Frequency Division Modulation)

60 Tones variant with 8DPSK modulated 35.56 Bd
Tone spacing 44.45Hz
Pilot tone at ~3315 Hz
Bandwidth 2746 Hz

There exist also variants with different parameters (e.g. 35, 45, 93 and 112 Bd, different tone spacings etc.)

Screenshot from Perseus SDR by HB9CET, 14.9.2017

Analyzed with WAVECOM Decoder W-Code 9.1.0

