



Monitoring Report: April 2016

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH (BW)	DETAILS
80m band informational only! Primary but shared with other also primary allocated services									
3526.0	2234	07	04			J7D	12x120	2k7	PSK-2: CIS12 = AT3004D often
3532.0	0714	01	04			DQPSK	14x75	5k9	LINK 11 CLEW; DSB mode
3539.5	0051	12	04			J7D	12x120	2k7	PSK-4: CIS12 = AT3104D
3549.0 VFO USB	0057	12	04			PSK8	2400	~2k7	MIL188-110A (Hybrid), preamble 4 tone PSK4 often
3552.0 VFO USB	2334	02	04			G1D	2400	~2k4	Stanag 4285; PSK8 daily
3552.0	2055	27	04			F1B	50	200	
3608.0	2337	02	04			F1B	50	200	almost daily
3716.0	2048	18	04			F1B	75	200	
3716.0	2036	27	04			J7D	12x120	2k7	PSK-2: CIS12 = AT3004D
3721.0	2040	27	04			J7D	12x120	2k7	PSK-2: CIS12 = AT3004D
3791.0	2045	18	04			F1B	50	200	
6998.0	2328	02	04			H3E-U Bursts		~3k6	"Buzzer" up to ≥7001.5kHz modulated with 120Hz BD 1.2", BRI 3" Pause 1.8s
7000.0	2221	21	04			MFSK8	125	1750	MIL 188-141A
7000.0	2149	27	04		157	MFSK8	125	1750	MIL 188-141A; LQA; To: 162
7008.0	0803	07	04			F1B	75	250	often
7015.0	1736	28	04			J7D	12x120	2k7	PSK-4: CIS12 – AT3104D
7016.0	2216	21	04			F1B	75	250	
7020.0	2034	27	04		820699	MFSK8	125	1750	MIL 188-141A often
7020.0	2225	29	04			J3E-L		2k1	Spanish
7030.0	2133	27	04			FMCW	10 sps	160k	OTHR (6950-7110kHz)
7033.0	2241	08	04			FMCW	50 sps	~13k	OTHR; occ. BW approx 30k
7034.0	2143	25	04			FMCW	50 sps	~13k	OTHR; occ. BW approx 30k
7038.0	0645	27	04			J7D	12x120	2k7	PSK-2: CIS12 = AT3004
7039.4	0854	21	04	RUS	M	A1A			Beacon M Magadan
7057.0	2004	27	04			J7D	12x120	2k7	PSK-2: CIS12 = AT3004
7061.0	0922	27	04			J7D	12x120	2k7	PSK-2: CIS12 = AT3004
7064.0	2017	28	04			FMCW		30k	OTHR
7071.0	2013	27	04			OTHR	50 sps	~13k	OTHR; occ. BW approx >30k
7080.0	2042	18	04			F1B	50	200	often
7112.0	1619	22	04			F1B	75	250	
7114.0	2122	27	04			F1B	50	200	often
7120.0	1839	19	04	SOM		A3E			Radio Hargaysa almost daily
7134.0	1641	29	04			F1B	50	200	often
7152.0	1625	22	04			J7D	12x120	2k7	CIS12 idling
7154.0 VFO LSB	2003	28	04			BPSK	60	~ 2k4	Burst system; spacing 75Hz; preamble 4x BPSK 60Bd, spacing 600Hz; Pilotone at 450Hz
7160.0	0926	27	04		RMW32	A1A			encrypted, letters and figures
7162.0	0813	25	04			F1B	75	250	also short F1A
7165.0	1648	29	04			FMxx	~2.5 sps	30k	OTHR (weak)
7197.0	2211	25	04		8241	MFSK8	125	1750	MIL 188-141A
7197.0	2229	25	04		337018	MFSK8	125	1750	MIL 188-141A
7205.0	1931	05	04			A3E		30k	BC; splattering down to 7196 kHz
14008.0	0840	29	04			F1B	50	250	
14050.0	0922	23	04			F1B	75	250	
14082.0	0832	29	04			FMxx	10 sps	~160k	OTHR (shifting frequency)



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14090.0	0834	29	04			FMxx	10 sps	~160k	OTHR (shifting frequency)
14100.0	0827	29	04			FMxx	10 sps	~160k	OTHR (shifting frequency)
14167.0	0816	29	04			FMxx	10 sps	~160k	OTHR (shifting frequency)
14265.0	0822	29	04			FMxx	10 sps	~160k	OTHR (shifting frequency)
14180.0	1104	25	04			F1B	36+50	200	CIS 36-50 often
14192.0	1108	25	04			F1B	50	500	CIS 50-50 almost daily
14228.5	0644	22	04			BPSK	1200	1200	
14240.0	0807	07	04			F1B	75	250	
14242.0	0818	21	04			J7D	12x120	2k7	PSK-2: CIS12 = AT3004D
14253.0	1430	29	04			F1B	75	250	
14265.0	1655	26	04			J7D	12x120	2k7	PSK-2: CIS12 = AT3004D
14270.0	0635	22	04			J7D	12x120	2k7	PSK-2: CIS12 = AT3004D
14290.0	0640	22	04			FMCW	10 sps	10k	OTHR
14300.0 VFO USB	0859	21	04			BPSK	16x75	2k2	Burst system; 16 tones, tonespacing appx 114Hz; 2 pilottones
14304.0	1302	27	04			F1B	75	250	
14306.0	0822	21	04			J7D	12x120	2k7	PSK-2: CIS12 = AT3004D
14310.0 VFO USB	2208	02	04			G1D	2400	~2k4	Stanag 4285; PSK8 frame format 600bps/long
14310.0 VFO LSB	2208	02	04			G1D	2400	~2k4	Stanag 4285; PSK8 frame format 600bps/long
18070.0	1021	27	04			FMCW	50	20k	OTHR
18100.0	1149	21	04		ES301	MFSK8	125	1750	MIL 188-141A; LQA; To: C3
18100.0	1213	25	04		C3	MFSK8	125	1750	MIL 188-141A; LQA; To: R3
18107.0	0840	21	04		RDL	F1B	36+50	200	CIS36-50 daily
18130.0	0810	07	04			F1B	100	1000	orig 9065 100Bd/500Hz often
21438.0	0917	27	04		RCV	A1A			letters and figures almost daily

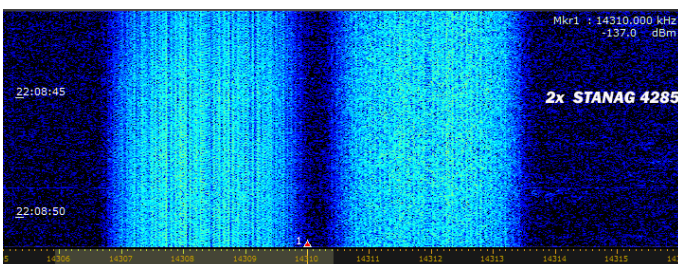
Errors and omissions excepted

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

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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2x STANAG 4285
found at 14310.0 kHz; VFO in Datamode (Center)
PSK-8, 2400Bd, frame rate 600 bps/long
Lower sideband at 14308.2 kHz (Center)
Upper sideband at 14311.8 kHz (Center)
maybe ISB or DSB mode

Screenshot with Perseus SDR, 2.4.2016 2208z