



Monitoring Report May 2019

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH (BW)	DETAILS
80m band informational only! - Amateur co-primary, shared with other also primary allocated services!									
3525.0	2050	15	05			DQPSK	14x75	~6k1	LINK 11 DSB often
3527.0	2056	15	05		RTL	F1B	50	200	almost daily
3527.0	2136	30	05			J7D	12x120	2k7	PSK-2; CIS12 aka AT3004D
3545.0 VFO USB	2146	27	05			G1D PSK8	2400	2k7	MIL 188-110A (D2) mod (Hybrid) preamble 4 tones, PSK4 75Bd 450Hz spacing
3549.0 VFO USB	2115	27	05			G1D PSK8	2400	2k7	MIL 188-110A (D2) mod (Hybrid) preamble 4 tones, PSK4 75Bd 450Hz spacing often
3550.0	2100	15	05			J7D	12x120	2k7	PSK-2; CIS12 aka AT3004D
3580.0 VFO USB	2102	15	05			G1D PSK8	2400	2k7	STANAG 4285 often
3582.0	2056	20	05			J7D	12x120	2k7	PSK-2; CIS12 aka AT3004D
3582.0	2043	27	05			J7D	12x120	2k7	PSK-2; CIS12 aka AT3004D
3640.0	2149	30	05			F1B	75	250	
3732.8	2046	27	05			G1D PSK8	2400	2k7	MIL 188-110A D2 mod (Hybrid); preamble 4 tones, PSK4 75Bd 450Hz spacing
5361.8 VFO USB	2223	13	05	DNK		G1D PSK8	2400	2k7	STANAG 4285; reported as Danish Navy. Legal, primary allocation
7000.0	0941	18	05			J7D	12x120	2k7	PSK-2; CIS12, partially in 40m band
7072.0	1413	20	05			J7D	12x120	2k7	PSK-4; CIS12 aka AT3104D
7088.0 VFO USB	2038	15	05			G1D PSK8	2400	2k7	Bursts; LINK 11 SLEW (NATO)
7104.7	2134	14	05		various	F1B	100	170	CODAN Selcall
7107.8	2152	14	05		various	F1B	100	170	CODAN Selcall
7110.7	2136	14	05		various	F1B	100	170	CODAN Selcall
7113.75	2138	14	05		various	F1B	100	170	CODAN Selcall
7125.8	2159	14	05		various	F1B	100	170	CODAN Selcall
7131.75	2154	14	05		various	F1B	100	170	CODAN Selcall
7134.7	2147	14	05		various	F1B	100	170	CODAN Selcall
7138.0	1654	05	05			F1B	50	200	often
7140.0	1658	05	05	ERI	VOBM	A3E		~ 9k	BC
7140.7	2140	14	05		various	F1B	100	170	CODAN Selcall
7143.7	2142	14	05		various	F1B	100	170	CODAN Selcall
7146.7	2145	23	05		various	F1B	100	170	CODAN Selcall
7149.7	2146	14	05		various	F1B	100	170	CODAN Selcall
7151.0	1658	20	05			F1B	75	500	
7160.0	0854	27	05			J7D	12x120	2k7	PSK-2; CIS12 aka AT3004D
7180.0	1659	05	05	ERI	VOBM	A3E		~ 9k	BC almost daily
7184.0	0718	30	05			J7D	12x120	2k7	PSK-4B; CIS12 aka AT3104D
7197.0	2209	14	05	TUR	367013	MFSK8	125	1750	ALE, MIL 188-141A
7197.0	2217	14	05	TUR	342018	MFSK8	125	1750	ALE, MIL 188-141A
7197.0	2222	14	05	TUR	331013	MFSK8	125	1750	ALE, MIL 188-141A
7197.0	2225	14	05	TUR	306023	MFSK8	125	1750	ALE, MIL 188-141A
7197.0	1905	21	05			J7D	12x120	2k7	PSK-4; CIS12; aka AT3104D
7197.0	2140	22	05	TUR	315013	MFSK8	125	1750	ALE, MIL 188-141A



USKA - Bandwacht

Member of IARU Monitoring System R1



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7197.0	2142	22	05	TUR	371013	MFSK8	125	1750	ALE, MIL 188-141A
7197.0	2143	22	05	TUR	8241	MFSK8	125	1750	ALE, MIL 188-141A
7198.0	1144	13	05			J7D	12x120	2k7	PSK-2; CIS12 aka AT3004D often
14007.875	1322	20	05			A1A			Jammer (dashes and dots)
14008.0	1322	20	05			F1B	50	250	often
14091.0	0848	21	05			OFDM60	30	~ 2.75k	PSK-4; spacing 44.45Hz; pilot tone
14127.0	1336	20	05			FMOP	40 sps	appx 12k	OTHR; (long lasting) often
14140.0	0905	29	05			FMOP	40 sps	appx 12k	OTHR
14192.0	0908	06	05			F1B	50	200	often
14200.0	0912	29	05			FMOP	40 sps	appx 12k	OTHR; (long lasting)
14210.0	1119	23	05			FMOP		appx 10k	OTHR
14221.0	2009	20	05			F1B	50	200	
14240.0	1601	22	05			F1B	75	250	
14240.0	0914	29	05			FMOP	40 sps	appx 12k	OTHR; (long lasting)
14278.0	1328	20	05			FMOP	50 sps	10k	OTHR
14340.0	0617	24	05			J7D	12x120	2k7	PSK-2; CIS12 aka AT3004D
18113.4	1336	21	05			F1B	600	600	ARQ
18165.0 VFO USB	1015	28	05			FMCW	50 sps	20k	OTHR, partially in 17m band
21100.0	0813	15	05			FMOP	40 sps	appx 12k	OTHR
21438.0	1011	27	05	RUS	RCV	A1A			letters + figures almost daily
28605.0	1308	27	05			FMCW	50 sps	20k	OTHR (long lasting)
28860.0	1518	27	05			Puls	150 + 313 sps	40k	OTHR, Bursts, various sweep-rates and durations (7.3 and 9.8s)
29350.0	1017	27	05			FMCW	25 sps	20k	OTHR (long lasting)

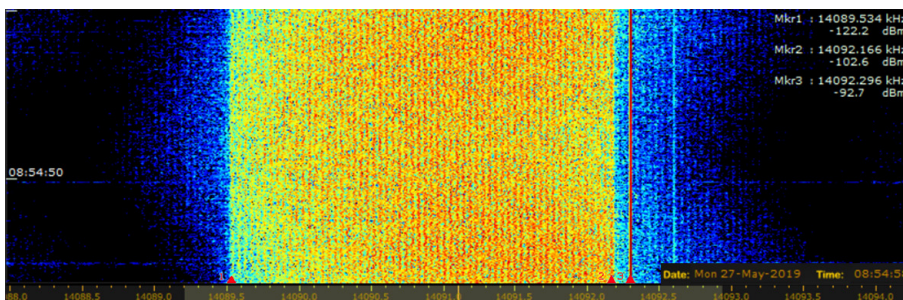
Errors and omissions excepted

Digital transmissions: Frequency mostly center frequency; otherwise indicated.

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
DF = Direction finding (radio location) // **TDoA** Time difference of arrival // **aka** = also known as

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OFDM 60 PSK-4
 30Bd; Spacing appx. 44.45Hz
 Pilot tone
 Bandwidth 2.75 kHz

Screenshot with Perseus SDR
 Analysis with W-Code 10.0