



Monitoring Report December 2019

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH (BW)	DETAILS
6982.0	2144	12	12			FMOP	10 sps	160k	OTHR: wideband; long lasting
6999.8	1736	13	12			G1D PSK8	2400	2k7	MIL 188-141B App. C BW1
7000.0	0226	22	12			FMOP	40 sps	ca 12k	OTHR: Contayner 29B6
7009.0	2328	05	12			FMOP	40 sps	ca 12k	OTHR: Contayner 29B6
7010.0	1506	12	12			J7D	12x120	2k7	PSK-2: CIS12 aka AT3004D
7015.0	1923	12	12			FMOP	10 sps	ca 12k	OTHR: wideband 160 kHz!
7015.0	1715	29	12			F1B	50	200	CIS 50-50
7031.0	2318	09	12			FMOP	40 sps	ca 12k	OTHR: Contayner 29B6
7049.0	1836	06	12			FMOP	40 sps	ca 12k	OTHR: Contayner 29B6
7051.0	0241	22	12			F1B	50	200	often
7054.0	1600	13	12			F1B	50	200	often
7055.0	1326	vd	12			J3E-L		ca 2k7	Political statements, sounds russian
7057.0	1704	06	12			FMOP	40 sps	ca 12k	OTHR: Contayner 29B6
7061.0	2201	06	12			FMOP	40 sps	ca 12k	OTHR: Contayner 29B6 often
7063.0	2311	09				FMOP	40 sps	ca 12k	OTHR: Contayner 29B6; long lasting
	1927	12	12						
	2336	21							
7079.0	1429	12	12			J7D	12x120	2k7	PSK-2: CIS12 aka AT3004D often
7088.0	1607	13	12			F1B	75	200	
7089.0	1409	18	12			FMOP	40 sps	ca 12k	OTHR: Contayner 29B6
7096.0	1634	01	12			FMOP	40 sps	ca 12k	OTHR: Contayner 29B6
7100.0	2331 1855	16 20	12			FMOP	40 sps	ca 14k	OTHR: long lasting, with a gap in the center
7108.0	1931	12	12			FMOP	40 sps	ca 12k	OTHR: Contayner 29B6
7109.0	1701	06	12			FMOP	40 sps	ca 12k	OTHR: Contayner 29B6
7112.0	1319	13	12			J7D	12x120	2k7	PSK-2: CIS12 aka AT3004D
7114.0	2314	09	12			FMOP	40 sps	ca 12k	OTHR: Contayner 29B6
7118.0	1434	12	12			FMOP	40 sps	ca 12k	OTHR: Contayner 29B6
7121.0	1941	06	12			FMOP	40 sps	ca 12k	OTHR: Contayner 29B6
7122.0	0941 0943	09	12		RDL	F1A F1B	50	200 200	ID RDL, followed by figures in groups CIS
7140.0	1726	10	12	ERI	VOBM	A3E		ca 9k	BC often
7152.0	0906	06	12			J7D	12x120	2k7	PSK-2: CIS12 aka AT3004D
7152.0	2211	10	12			FMOP	40 sps	ca 12k	OTHR: Contayner 29B6
7154.0	2317	09	12			FMOP	40 sps	ca 12k	OTHR: Contayner 29B6
7159.0	1116	01	12			B7D	14x75	6K00E	DQPSK: LINK 11 CLEW DSB daily
7159.0	1440	12	12			F1B	75	200	often
7160.0	2341	16	12			FMOP	40 sps	ca 14k	OTHR: Contayner 29B6; long lasting
7163.4	1701	29	12			XXX	X	ca 3k	unidentified digital signal
7166.0	2343	20	12			FMOP	40 sps	ca 14k	OTHR: Contayner 29B6; long lasting
7170.0	1649	21	12			FMOP	40 sps	ca 14k	OTHR: Contayner 29B6; long lasting
7182.0	2244	10	12			FMOP	41 sps	ca 10k	OTHR: Burst's, BD ca 5s
7187.0	1526	20	12			FMOP	40 sps	ca 12k	OTHR: Contayner 29B6
7192.0	1014	04	12			F1B	75	250	
7193.0	1203	01	12	RUS	RDL	F1B	50	200	TDoA: Kaliningrad often
7195.0	2116	08	12			FMOP	40 sps	ca 12k	OTHR: Contayner 29B6



kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH (BW)	DETAILS
7197.0	1646	01	12	TUR	123456	MFSK8	125	1750	ALE, MIL 188-141A; Network
7197.0	2246	07	12	TUR	various	MFSK8	125	1750	ALE, MIL 188-141A; Network
14048.0	0907	02	12			FMOP	50 sps	10k	OTHR:Bursts
14105.0	0931	02	12			FMOP	40 sps	12k	OTHR: long lasting
14181.0	0909	02	12			FMOP	40 sps	12k	OTHR, long lasting
14315.0	0919	02	12			FMOP	41 sps	10k	OTHR: (24ms) Bursts
14320.0	0908	06	12			FMOP	50 sps	10k	OTHR: Bursts
18175.0	1123	14	12			FMCW	25 sps	20k	OTHR: partially in 17m band

Errors and omissions excepted

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

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

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

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*Frohes Neues Jahr, Bonne Année,
Buon Anno Nuovo, Happy New Year,
Prospéro Año Nuevo, Feliz Ano Novo*



Peter, HB9CET