IARU Monitoring System Region 1

Monthly Newsletter 6 - June 2020

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News and Info's

June 2020 was similar to the previous months. The most frequently reported intruders were mainly RUS/UKR radio war (see below) and the daily emissions from the Russian OTHR (over-the-horizon radar) Contayner. There was a significant decrease in both CIS12 emissions and CIS FSK radio telecommunications (all baud rates and shifts).

The Russian-Ukrainian radio war remained on a high escalation level also in June. Almost every day we heard the massive spiteful and provocative broadcasts. In June they used more frequencies than before, affecting our bands very hard.

It is a great annoyance and a big shame!

The IARU Monitoring System (Intruder watch) has little opportunity to stop this radio war itself. Only national authorities can hopefully do something against with international complaints.

It is very important and very helpful that many other member societies also observe these frequencies and making complaints to their regulators! We have to coordinate this well within IARU and act together. This is the only way we have a certain power.

Peter Jost, HB9CET, IARUMS R1 Coordinator a.I.

Detailed reports of national coordinators

Abbreviations used (as per IARUMS definitions)
aka = also known as **| BC** = Broadcast | **BD** = Baud, (or also Burst duration) | **BRI** = Burst repetition interval | **BW** = Bandwidth | **ca** = approximate | **CHN = PRC** = People´s Republic of China | **DF** = Direction finding (radio location; see also TDoA) | **OTHR** = over the horizon radar | **FMCW** = frequency modulated continuous wave | **FMOP** = frequency modulated on pulse | **SH** = Shift (Hz) | **sps** = sweeps per second | **TDoA** = Time difference of arrival | **ui** = **unid** = unidentified | **vd** = various dates | **vt** = various times.

DARC

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
3510	2005	22	06	BLR		chirps		3k	mysterious chirps – Belarus – about 150 km se of Minsk
3756.78	1945	10	06	RUS	S30	A1A			Channel marker
3757.58	1945	10	06	RUS	S30	A1A			Channel marker
7001	0756	17	06	BLR		PSK2A	120	2600	AT3004D
7020	1750	13	06	RUS		F1B	75	250	Kaliningrad
7050	div	div	06	CLA	unid	J3E			Propaganda radio transmissions in russian language
7051	2000	div	06	RUS	RDL	F1B	50	200	7051.007 - Sevastopol – RUS navy – daily at 2000 utc
7054	1845	22	06	RUS	unid	F1B	50	200	Moscow
7055	div	div	06	CLA	unid	J3E-L			Propaganda radio transmissions in russian language
7060	div	div	06	CLA	unid	J3E-L			Propaganda radio transmissions in russian language
7065	div	div	06	CLA	unid	J3E-L			Propaganda radio transmissions in russian language
7073	div	30	06	CLA	unid	J3E-L			Propaganda radio transmissions in russian language

DARC

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
7085	0720	29	06	CLA	unid	J3E-L			Propaganda radio transmissions in russian language, spanish music
7100	div	div	06	CLA	unid	J3E-L			Propaganda radio transmissions in russian language
7110	div	div	06	SOM	Warsan Radio	J3E-U			
7140	1700	01	06	ERI	R. Eritrea	A3E		9k	
7111	1955	21	06	CHN		PSK4A	60	2350	burst system “PRC-30” – 30 tones – 450 Hz pilot tone
7176	1735	07	06	RUS		FMOP		12k	OTH radar Contayner - 40 sps – nw of Saransk – 7170 – 7182 kHz
7180.02	1702	01	06	ERI	R. Eritrea	A3E		9k	
7181	1702	06	06	RUS		FMOP		12k	
10106	1346	18	06	CYP		FMOP		20k	UK OTH radar Cyprus – 50 sps – 10096 – 10116 kHz
10108	0614	30	06	RUS		F1B	50	200	CIS36-50
10110	1640	23	06	RUS		FMOP		12k	OTH radar Contayner - 40 sps – nw of Saransk – 10104 – 10116 kHz
14000.5	2040	30	06	CHN		A1A			14000.450 kHz – only dots like a beacon – no ident – China – sw of Peking
14008	0924	10	06	RUS		F1B	50	250	Moscow
14089	1050	26	06	RUS		FMOP		12k	OTH radar Contayner - 40 sps – nw of Saransk – 14083 – 14095 kHz
14110	0945	30	06	RUS		F1B	50	250	CIS36-50
14185	0725	20	06		unid		40	12	OTHR
14191	2013	30	06	RUS		FMOP		12k	OTH radar Contayner - 40 sps – nw of Saransk – 14185 – 14197 kHz
14221	2045	13	06	KAZ	unid	F1B	50	200	CIS-36-50 idling, Kazakhstan – west of Almaty - mostly idling - every evening
14238.0	0942	23	06			F1B	600	600	DPRK-FSK 600
14251	1039	22	06	CHN		FMOP		10k	Chinese OTH radar – 14246 – 14256 kHz - 66.66 sps – 3.8 sec bursts – „foghorn“
14258	0842	04	07	RUS		F1B	50	500	nr Moscow
14317	1312	22	06	CHN		FMOP		10k	Chinese OTH radar – 14246 – 14256 kHz - 66.66 sps – 3.8 sec bursts – „foghorn“
14320.5	0802	09	06			FSK	600	600	DPRK-FSK 600
14258	0809	04	07	RUS		F1B	50	500	Moscow
18170	1253	06	06	RUS		FMOP		12k	OTH radar Contayner - 40 sps – nw of Saransk – 18164 – 18176 kHz
21000	div	div	06	E		J3E-U			Spanish fishery – like telephone – daily at about 1400 utc or later – Canary Islands
21172	1751	29	06	RUS		FMOP		12k	OTH radar Contayner - 40 sps – nw of Saransk – 21166 – 21178 kHz
21250	0830	07	06	CYP		FMOP		20k	UK OTH radar Cyprus – 50 sps – 21240 – 21260 kHz
21281	1210	24	06	CYP		FMOP		20k	UK OTH radar Cyprus – 50 sps – 21271 – 21291 kHz
21310	0756	29	06	CYP	OTHR	FMOP	50		
21414	1343	16	06	RUS		FMOP		12k	OTH radar Contayner - 40 sps – nw of Saransk – 21408 – 21420 kHz
21438	0830	02	06	IRN		AMOP		45k	Iranian radar - 28837 – 28883 kHz – 150 sps and 313 sps alternating – North Iran, daily

DARC

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
28179.7	1244	08	06		FN				fishery buoy, returning every 2'30''
28204.9	0701	08	06		CA				fishery buoy, returning every 2'30''
28201.1	0744	01	06		DO				fishery buoy, returning every 1'40''
28239.9	0817	08	06		AY				fishery buoy, returning every 2'30''

IRTS; Michael, EI3GYB

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
7047	2230	17	06			AMOP			Radar from 7047 to 7067 kHz Big persistent signals.
7055	1415	08	06	RUS/ UKR		LSB			Russian-Ukrainian radio war. Heard with big signals all day long on many days of the month. Persistent.
7070	2235	17	06	RUS/ UKR		LSB			Russian-Ukrainian radio war with music and shouting of obscenities. Another new frequency in this ongoing pest. Shame on all participants.
7088.5	1145	26	06	RUS/ UKR		LSB			Russian-Ukrainian radio war. Broadcasting of russian military marches and shouting of slogans in Russian. Another new frequency in this ongoing conflict. Huge signals.
7090	1155	30	06	RUS		F1B			Big signal.
7100	2225	17	06	RUS/ UKR		LSB			Russian-Ukrainian radio war. Shouting of slogans. New frequency with monster signals.
7170	1650	06	06			FMOP			Radar from 7170 to 7183 kHz. Huge signals, persistent.
7180	1655	03	06			FMOP			Radar from 7180 to 7193 kHz. Short bursts.
14138	1150	26	06			FMOP			Radar from 14138 to 14152 kHz. Strong and persistent.
14154	2115	08	06			FMOP			Radar from 14154 to 14168 kHz. Strong signals.
14165	1400	08	06			FMOP			Radar from 14165 to 14192 kHz. Huge signals.
14166	1540	20	06			FMOP			Radar from 14166 to 14190 kHz. Strong signals.
14173	1240	10	06			FMOP			Radar from 14173 to 14197 kHz. Huge persistent signals.
14182	1210	06	06			FMOP			Radar from 14182 to 14195 kHz. Huge signals.
14221	2020	14	06	RUS		F1B			Strong signal. Also noticed om the 18th at 2250z with a strong and persistent signal.
14239	0845	19	06	RUS		F1B			Strong signals.
14331	0950	03	06	RUS		F1B			Strong signal.
14337	1025	10	06	RUS		F1B			Big signal.
21018	0855	13	06			AMOP			Radar from 21018 to 21039 kHz. Huge signals.
21363	1015	17	06			AMOP			Radar from 21363 to 21396 kHz.
21404	1125	16	06			AMOP			Radar from 21404 to 21423 kHz. Huge and persistent signals. Still on at 1400z.

IRTS; Michael, EI3GYB

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
28830	0800	01	06	IRN		AMOP			Radar from 28830 to 2885 kHz. Strong. Also noticed on the 13th at 0910z.
50140	0940	01	06			AMOP			Radar from 50140 to 50240 kHz. Very strong.

MRASZ; Laci, HA7PL

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
3500.0	1629	2	06			A1A			only carrier
7055.0	1614	2	06			LSB			music
7055.0	1529	3	06			LSB			chaos
7055.0	1703	7	06			LSB			music, chaos, propaganda
7055.0	1607	10	06			LSB			chaos, propaganda
7055.0	1708	11	06			LSB			chaos, propaganda
7055.0	1652	19	06			LSB			chaos
7055.0	1826	20	06			LSB			chaos
7055.0	1800	24	06			LSB			chaos
7055.0	0729	25	06			LSB			singing
7055.0	1643	29	06			LSB			curse
7140.0	1630	11	06			A3E			
7156.0	1532	3	06			F1B		250	
7195.0	1734	3	06			PSK2			AT3004D
10108.0	0732	26	06			F1B		200	
10108.0	0622	30	06			F1B		200	

PZK; Marek, SP3AMO + Miro, SP5GNI

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
3500.0	0450	8	6			UI		bw 60k0E	OTHR ???? [+/- 30 kHz] 5.00 UTC QRT
3503.7	1814	8	6			F1B	50	200	S8/9
3503.7	1814	24	6		EQP	F1B	50	425	vvv 18.15 UTC QRT
3522	1945	20	6			FMOP		10k	OTHR bursts irregular, very strong!
3524.5	1814	7	6			F1B	50	200	
3527.7	2003	6	6	RUS		F1B	50	200	
3530.0	1924	10	6			PSK		bw 45E	Multitone
3534.0	1804	18	6			UI			Chirp
3550	1333	15	6	RUS		PSK-4		2k9	CIS-12 pilot 3551.3 S9
3581.7	vt	vd	6			UI		3k	STANAG?
3606.5	1246	29	6	RUS		PSK-4		2k9	CIS-12 pilot 3607,8
3608.0	0515	30	6			PSK/F1B	50	250	S7 QSB Multitone / RTTY
3657.8	2246	17	6	RUS		PSK-4		2k9	CIS-12 pilot 3659,1 S9 +20
3749	710	30	6			A3J		3k5	USB, in Russian - mesages, mostly numbers
3759.0	1903	10	6			PSK		bw 1k40E	Multitone PSK-12 [S9+10 dB] sps 40 Hz
3759	1042	16	6	RUS		PSK-4		2k9	CIS-12 pilot 3760,3 S9
3767	1120	13	6	RUS		PSK-4		2k9	CIS-12 pilot 3768,3 S9
3773.0	1809	18	6			PSK		bw 1k20E	Multitone / changable

PZK; Marek, SP3AMO + Miro, SP5GNI

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
5362	1830	1	6	RUS		PSK-4		2k9	CIS-12 pilot 5363,3 S6
7000.0	2024	11	6			FMOP			OTHR
7001.0	1859	12	6			FMOP			OTHR - start
7034.0	1723	16	6			PSK/F1B			S9 Multitone
7038.6	1742	25	6			F1B	50	250	S7 17.50 UTC QRT
7045.0	1800	18	6			FSK		bw 1k40E	S7
7054.0	1756	18	6			PSK/F1B	50	200	
7056.0	0730	25	6			J3E-U			S0+, R2 very week
7056	2230	17	6			FMOP		16k	OTHR
7095	1345	4	6	RUS		PSK-4		2k9	CIS-12 pilot 7096.3 S7
7100	2233	17	6			A3J			LSB - in Russian - strange content
7111.3	1811	7	6			PSK			Multitone
7121.7	1722	16	6	CIS		F1B	50	250	S9+10 dB
7124	1336	15	6	RUS		PSK-4		2k9	CIS-12 pilot 7125.3 S7
7135.0	0441	17	6		UI	N0N			
10108	1130	12	6			F1B		200	
10133	1240	29	6			PSK-4		2k9	CIS-12 pilot 10134.3
14008.0	0856	7	6	RUS		F1B	50	200	9.10 UTC QRT, 9.44,30' UTC QRV 2 min
14008	vt	vd	6			F1B		240	Stong, QSB
14026.5	1302	25	6			PSK		bw 900	5 x 120
14090	1345	15	6			FMOP		14k	OTHR strong signal
14092	1334	12	6			FMOP		10k	OTHR short burst
14106	1200	9	6			FMOP		12k	OTHR strong signal
14109	1026	29	6			F1B		200	2 seconds long repeatable transmisions
14110.4	1403	4	6			MSK		1k6	Changable profile - 2, 6 or 14 lines in 1 sec. bursts
14115	1828	15	6			FMOP		12k	OTHR strong signal
14118.0	0435	17	6		UI	N0N			
14118	1050	16	6			F1B		60	Stong,
14125	1215	9	6			FMOP		10k	OTHR short burst
14156	1919	20	6			FMOP		14k	OTHR
14160.0	1340	29	6	CIS		F1B	50	250	13.44.45 UTC QRT
14160	1237	29	6			F1B		240	S9
14177.0	0709	14	6			FMOP		bw 16k0E	S9 [14167.2 - 14183.2 kHz]
14180.0	0655	18	6			FMOP		bw 12k0E	OTHR [14180.0 - 14192.0 kHz] S7/8
14181	1919	20	6			FMOP		14k	OTHR
14190	1424	5	6			FMOP		12k	OTHR (900 ended)
14190	1029	29	6			FMOP		14k	OTHR not strong
14220.0	1859	6	6			F1B/PSK	50	200	Multitone / RTTY
14287	1250	9	6			FMOP		10k	OTHR short burst
14322.4	1444	17	6			FMOP			OTHR
14342.6	1143	14	6			UI		1k7	Short bursts in non regular intervals
18159.5	0805	12	6			FMOP		bw 16k0E	OTHR [18154.8 - 18170.8 kHz] S5/7 CF 18159.5 kHz, 08.10 UTC QRT
18168	1346	15	6			FMOP		12k	Center freq outside the band, but started from 18164

PZK; Marek, SP3AMO + Miro, SP5GNI

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
21037.7	0815	12	6		UI	N0N			S0+ 08.18 UTC QRT
21052.0	0820	12	6		UI	N0N			S0+
21065.4	0821	12	6		UI	N0N			S0+
21112.9	0824	12	6		UI	N0N			S0+
21121.2	0828	12	6			PSK		200	S0+
21310.0	0737	29	6	UK		FMOP		bw 10k	OTHR; S7 QSB sps 50Hz
21360	1037	29	6			FMOP		10k	OTHR burst
21415	1052	16	6			FMOP		20k	OTHR strong signal, ocasionally weaker signal at 21390
21425.9	0832	12	6		UI	N0N			S0+
21437.8	1042	18	6	CIS		A1A			Mixed text, 10.45 UTC QRT
24899.0	0836	12	6		UI	N0N			S0+
24960.1	0838	12	6		UI	N0N			
28215.1	0607	16	6		UI	A3E			[S3/4] Unkown language
28684.9	0856	12	6		UI	MFSK			
28685.0	1727	18	6		UI	N0N		40	2 lines
28685.0	1754	24	6		UI	N0N			
28858.6	0712	18	6			PSK		bw 30k0E	Multitone 150/300Hz from 28838 to 28868kHz
28868.0	1738	18	6		UI	N0N		40	2 lines
29112.5	1643	24	6		UI	N0N			
29167.7	1716	16	6		UI	N0N			
29234.5	1743	18	6		UI	N0N		40	2 lines

REF; Francis, F5MIU

kHz	UTC	DD	MM	ITU	IDENT	MODE	Baud	SH /BW	DETAILS
14000	0816	3	06			FMCW		20kHz	OTH Radar pulsed 25ms,S9+20
14115	0825	1	06			FMCW		15kHz	OTH Radar pulsed 25ms,S9+10
14165	1528	8	06			FMCW		15kHz	OTH Radar pulsed 25ms,S9
14180	0758	16	06			FMCW		15kHz	OTH Radar pulsed 25ms,S9
14188	1528	8	06			FMCW		30kHz	OTH Radar pulsed 25ms,S9+10
14190	0750	11	06			FMCW		20kHz	OTH Radar pulsed 25ms,S9
18165	0745	23	06			FMCW		15kHz	OTH Radar pulsed 20ms,S7
21000	0804	12	06			USB		3kHz	Fishery? Portuguese or Spanish language
21058	0756	4	06			FMCW		20kHz	OTH Radar pulsed 25ms,S6
21250	0800	24	06			FMCW		22kHz	OTH Radar pulsed 20ms,S8
21310	0745	29	06			FMCW		20kHz	OTH Radar pulsed 20ms,S4
21380	0806	17	06			FMCW		20kHz	OTH Radar pulsed 20ms,S8
28420	0755	12	06			FMCW		15kHz	OTH Radar pulsed 25ms,S8

REP; José, CT4AN

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
3525	07.21	18	06	E		J3E-U			Fishery
3630	22.55	07	06			J3E-L			Jamming & music
3750	14.05	01	06			J3E-L			Spanish music
7010	15.00	23	06			CW			Carrier with fade

REP; José, CT4AN

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
7039	23.38	07	06	RUS	K	A1A			Beacon
7055	16.20	21	06	RUS		J3E-L			Insults & propaganda
7075	10.25	14	06	KEN		PSK	2400	2750	STANAG-4285
7085	07.34	22	06	RUS		J3E-L			Music & propaganda
7100	12.30	22	06	CHN		PSK-4	75	450	
7140	06.55	24	06	RUS		PSK2	120	2600	AT3004
7180	dly	dly	06	ERI	VoBM2	9k00 A3EGN			Radio Eritrea (w/ strong fade)
10120	08.11	16	06			J3E-U			Fishery
10150	20.10	07	06	RUS	29B6	FMOP	40	12k	OTHR
14118	11.20	04	06		CIS-12	F1B	120	2.7k	
14125	19.00	03	06	E		J3E-L			Fishery
14145	18.44	11	06	CHN		FMOP	10	100k	OTHR
14145	17.05	19	06	RUS		FSK	50	200	Navy
14185	18.18	16	06			F1B	50	500	
14200	16.44	19	06			F1B	250	50	CIS-36
14210	17.30	11	06			F1B	200	50	CIS-36
14210	06.30	20	06	RUS		OFDM			Navy
14258	17.45	11	06			F1B	50	500	
18125	15.45	15	06			J7D	120	2600	CIS 12
21250	08.25	20	06			FMCW	20ms	20k	Radar
28150	11.45	23	06	I		A3E			CB's talking

RSK; Kamweti, 5Z4BV

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH/ BW	DETAILS
7055	pm	dly.	6	UKR/ RUS?	?	J3E-l		2700	Russian/Ukranian looped recordings
7089.1	vt	dly.	6	KEN	?	J3E-u		2700	Vernacular/Kiswahili QSO
7095	vt	occ.	6	KEN	?	PSK	2400Bd	2750	STANAG 4285
7100	vt	nr.dly	6	KEN	?	MFSK	125Bd	2000	2G ALE
7110	am/pm	dly.	6	SOM	Warsan Radio	H3E		2900	Commecial broadcast station
7123	vt	occ.	6	KEN	?	PSK	2400Bd	2500	STANAG 4285
7140	vt	occ.	6		?	J3E-l		2700	Vernacular/Kiswahili QSO
7140	am/pm	dly.	6	ERI	VOBM1	A3E			Commecial broadcast station. Voice of the Broad Masses of Eritrea 1
7150	vt	nr.dly	6	KEN	?	MFSK	125Bd	2000	2G ALE
7180	vt	dly.	6	ERI	VOBM 2	A3E			Commecial broadcast; Voice of the Broad Masses of Eritrea 2
7185	vt	occ.	6		?	J3E-u		2700	Vernacular/Kiswahili QSO
14100	1619	28	6	RUS	?	FMOP	8 sps	10 kHz	Russian Kontayner
14140	1650	24	6	RUS	?	FMOP	40 sps	20 kHz	Russian Kontayner
14155	1615	27	6	RUS	?	FMOP	40 sps	20 kHz	Russian Kontayner

RSGB; Richard, G4DYA

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
3758.85	2100	26	06			J3E		3K10E	CF; Unknown noise / jammer. TDoA: approx. north Poland or Kaliningrad
7008.0	1730	13	06			F1B		250	
7010.0	1543	29	06	RUS		J7D		2K70E	USB 7008.0 / CIS-12. TDoA: near Moscow
7020.0	1731	13	06			F1B		250	
7038.496 7038.500 7038.504	ady	dly	06	CZE	OK0EU	A1A			For info: QRP propagation beacons. CW idents offset at +40 Hz.
7051.0	2152 1958	02 11	06			F1B	50	200	
7140.02	1759 1803 1718	01 18 21	06	ERI	VoBM1	A3E			BC
7164.0	1706	21	06			J7D		2K70E	USB 7162.0 / CIS-12 Ceased at 1716z
7167.0	0708	12	06			F1B		250	
7176.0	0710	12	06			F1B		200	
7180.02	1803	18	06	ERI	VoBM2	A3E			BC
7184.0	1809	01	06			N0N			Plain carrier
7200.0	1244	04	06			J7D		2K70E	USB 7198.0 / CIS-12
10100.8	ady	dly	06	D	DDK9	F1B	50	450	For info: Primary user: WX broadcast
10105.0	1309	18	06	G		F3N	50	20K0E	Pluto OTH radar, British Western Sovereign Base Area, Cyprus
10109.0	1507	09	06	RUS		P0N	40	12K0E	Container OTH radar
14000.0	0803	03	06	RUS		P0N	40	12K0E	Container OTH radar
14083.0	0831	08	06			J7D		2K70E	USB 14081.0 / CIS-12
14146.0	1307	26	06	RUS		P0N	40	12K0E	Container OTH radar
14149.0	1604	11	06	RUS		P0N	40	12K0E	Container OTH radar
14176.0	0848	14	06	RUS		P0N	40	12K0E	Container OTH radar
14180.0	0808	16	06	RUS		P0N	40	12K0E	Container OTH radar. Ceased at 0810z
14186.0	1025	19	06	RUS		P0N	40	12K0E	Container OTH radar
14191.0	0754	11	06	RUS		P0N	40	12K0E	Container OTH radar
14221.0	2113	10	06			F1B	50	200	
14337.0	0726	24	06	RUS		P0N	40	12K0E	Container OTH radar
18090.0	0724	12	06	G		F3N	50	20K0E	Pluto OTH radar, British Western Sovereign Base Area, Cyprus
21050.0	0815	28	06	G		F3N	50	20K0E	Pluto OTH radar, British Western Sovereign Base Area, Cyprus
21250.0	0729	24	06	G		F3N	50	20K0E	Pluto OTH radar, British Western Sovereign Base Area, Cyprus
21380.0	0748	17	06	G		F3N	50	20K0E	Pluto OTH radar, British Western Sovereign Base Area, Cyprus
21414.0	1138	16	06	RUS		P0N	40	12K0E	Container OTH radar
28860.0	0808	16	06	IRN		P0N	150/ 313		Ghadir OTH radar
29620.0	0840	26	06	G		F3N	25	20K0E	Pluto OTH radar, British Western Sovereign Base Area, Cyprus

SRAL; Pekka, OH2BLU

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/BW	DETAILS
7 MHz			6	RUS	Kontainer	FMOP	40sps	13k0E	(WebSDR 9d)
7 MHz	0830-1830	*	6	RUS		FMOP	10sps	10k0E	*) Days: 3. 4. 5. 9. 12. 13. 14. 20. short burst, fq jumps up
7001.0	0830-0845	17	6	RUS		J7D	120	2k60E	
7008.0	0930-1815	*	6	RUS		F1B/ N0N		250H	*) Days: 8. 13. 17. 19. 30.
7010.0	0610-1240	22 27	6	RUS		J7D	120	2k60E	
7011.8	0940-1240/	11	6	RUS		A3E		1k0E	80 Hz tone
7012.0	1015-1030	9	6	RUS		J7D	120	2k60E	
7016.0	0800-1330	19 22	6	RUS		F1B		250H	
7020.0	0810-1823/	*	6	RUS		F1B/ N0N		250H	*) Days: 13. 17. 22. 25.
7025.0	0515-1600	*	6	RUS	RDL	F1A/B		200H	*) Days: 8. 12. 13. 18. 22.
7034.0	0515-1600	*	6	RUS		F1B/ N0N		200H	*) Days: 3. 6. 7. 13. 15. 16. 22. 23.
7054.0	0500-1600	*	6	RUS		F1B		200H	*) Days: 1. 3. 4. 5. 7. - 14.
7088.0	0700-1421/	*	6	RUS		F1B		200/ 250H	*) Days: 24. 28. 30.
7099.0	0915-0945/	6	6	RUS		F1B		200H	
7101.5	0630-0645	3	6	RUS		J7D	120	2k60E	
7104.0	0730-0745	6	6	RUS		J7D	120	2k60E	
7110.0	1345-1403/	2	6	RUS		F1B		250H	
7118.0	0945-1045/	10	6	RUS		J7D	120	2k60E	
7122.0	1800-1825/	16	6	RUS		F1B		250H	
7140,0	0400-0600	dly	6	ERI	VoBME	A3E		9k0	
7140,0	1400-1835/	dly	6	ERI	VoBME	A3E		9k0	
7151.0	1215-1500	19	6			F1B			
7158.0	1045-1555	*	6	RUS		F1B		250H	*) Days: 2. 3. 18. 27.
7161.0	0900-0915/	5	6	RUS	238	R3E-u		2k70E	Synthetic vox
7162.0	1530-1750/	8	6	RUS		F1B		250H	
7172.0	0805-0815	13	6	RUS	LIR2	A1A			
7180.0	0500-0630	*	6	ERI	VoBME	A3E		9k0	*) Days: 9. 12. 14. 15. 16. 23. 24.

SRAL; Pekka, OH2BLU

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/BW	DETAILS
7180.0	1430-1835/	*	6	ERI	VoBME	A3E		9k0	*) Days: 9. 12. 14. 15. 16. 23. 24.
7185.5	1520-1527/	4	6	RUS	V	A1A			beacon
7186.0	1530-1830	30	6	RUS		J7D	120	2k60E	Carrier on 7184.0 kHz
7196.0	0355-1350	*	6	RUS	V	A1A			*) Days: 5. 7. 13. 14. 19. 20. 22. beacon
7196.0	1245-1300	30	6	RUS		J7D	120	2k60E	
7200.0	1220-1550	4	6	RUS		J7D	120	2k60E	
10 MHz	1030-1400	*	6	CYP		FMCW	50sps	20k0	*) Days: 8. 12. 18. (WebSDR 6d)
10 MHz	1015-1430	*	6	RUS	Kontainer	FMOP	40sps	13k0E	*) Days: 24. 27. (WebSDR 6d)
14 MHz	0725-1310	*	6	CHN		FMOP	67sps	10k0E	*) Days: 8. 10. 11. 12. 15. bursts of c. 5 sec
14 MHz	0500-1530	*	6	RUS		FMOP	10sps	10k0E	*) Days: 6. 7. 8. 9. 12. 14. 15. 16. 17. 18. 19. 21. 23.
14 MHz	0240-2210	dly	6	RUS	Kontainer	FMOP	40sps	13k0E	(WebSDR 23d)
14000.0	/1357-1457/	*	6	CHN	CRI	A3E		9k0	*) Days: 1. 3. - 19. // 13710 kHz
14001.8	1000-1200	27 28	6			F1B		1k0	
14008.0	0500-1600	*	6	RUS		F1B/N0N		250H	*) Days: 2. 4. 6. 8. 10. 11. 13. 14. 15. 18. 19. 22. 25. 29.
14016.2	1220	23	6	RUS		F1B		250H	
14026.0	1100-1625	*	6	RUS		J7D	120	2k60E	*) Days: 16. 25. 27.
14108.0	0550-1300	*	6	RUS	5GMU etc	A1A			*) Days: 1. 3. 4. 8. 13. 15. 16. 19. 22. 23. 24. 5BL
14118.0	0500-1400	*	6	RUS	KS3W etc	A1A			*) Days: 8. 14. - 19. 29. 5F, 5BL
14141.0	0920-1000	4	6	RUS		F1B		500H	
14221.0	0345-0600/	dly	6	KAZ		F1B		200H	
14317.0	1125-1150	19	6	RUS		A1A			5BL
18 MHz	0530-1200	*	6	CYP		FMCW	50sps	20k0	*) Days: 4. 6. 24. - 29. (WebSDR 4d)
18 MHz	0720-1440	*	6	RUS		FMOP	10sps	10k0E	*) Days: 4. 5. 13. 15. 18.
18 MHz	0730-1030	*	6	RUS	Kontainer	FMOP	40sps	13k0E	*) Days: 8. 12. 18. 22. 23.
18080.0	0700-0800	*	6	TWN	Sound of Hope	A3E		9k0	*) Days: 9. 10. 12. 14. 15. 16. 17. jammed by CNR
21 MHz	0500-1315	*	6	CYP		FMCW	50sps	20k0	*) Days: 3. 4. 6. 10. 11. 14. 17. 18. 19. 21. 24. 25. 28. (WebSDR 9d)
21 MHz				RUS		FMOP	10sps	10k0E	

SRAL; Pekka, OH2BLU

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/BW	DETAILS
21 MHz	0715-1530	*	6	RUS	Kontainer	FMOP	40sps	13k0E	*) Days: 1. 4. 16. 17. (WebSDR 2d)
21438.0	0830-1530	dly	6	RUS	RCV	A1A			
24 MHz	0720-0725	27	6	CYP		FMCW	50sps	20k0	(WebSDR 0d)
28 MHz	0520-1100	*	6	IRN		FMCW	*	60k0E	*) 307 & 870sps, *) Days: 3. 4. 17. alternating fq
28860.0	0345-1815	dly	6	IRN		FMCW	*	60k0E	*) 150 & 313sps,
28 MHz	0530-1730	*	6	RUS	Taxi disp.	F3E		3k0E	220 reports, *) Days: 1. - 8. 13. - 28.
28 MHz	0715-1150	21 26	6	CYP		FMCW	50sps	20k0	

URE; Gaspar, EA6AMM

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
7000*	vt**	vd**	06			XXX	10	ca. 8K0E	Radar sweeps? Ca 15 sec. *QSY UP. **24/24H, 7/7D on all HF spectrum
7008	1730	13	06			F1B		250 Hz	
7008.9	1819	22	06			J7D	120	2K70E	CIS-12 aka AT3004D
7009.9	0652	27	06			J7D	120	2K70E	CIS-12 aka AT3004D
7020	1738	13	06			F1B		250 Hz	
7032	0521	08	06			XXX	6		Continuous dots. Long - lasting
7050	0605	24	06			J3E-L			Speech, propaganda, UKR/RUS “radiowar”
7051	0502 vt	05 vd	06			F1B		200 Hz	Often
7053.5	0706	25	06			XXX		Ca. 2K7E	Unid digital signal.
7054	1810	22	06			F1B		200 Hz	
7055	0605 vt	07 vd	06			J3E-L			Speech, music, agitprop, UKR / RUS “radiowar”. Often
7056	0654	25	06			J3E-U			Encrypted messages (figures & letters). Male voice. Russian language
7058	0510	05	06			J7D	120	2K70E	CIS-12 aka AT3004D. Idling
7060	1815	29	06			J3E-L			Speech, propaganda, UKR/RUS “radiowar”
7073	0659	30	06			J3E-L			Speech, hate songs, UKR / RUS “radiowar”
7082	2007	29	06			J3E-L			Speech loop, hate songs, UKR/RUS “radiowar”
7085	1612	29	06			J3E-L			Speech loop, propaganda, UKR/RUS “radiowar”
7088	0703	30	06			F1B		200 Hz	
7090.3	1338	09	06			XXX	1		“Dot per second” signal (nickname)
7100	2207	26	06			J3E-L			Hate songs.Same as on 7055kHz LSB. “radiowar”.
7175	1740	07	06			FMOP	40	12K0E	OTHR Contayner
10100*	vt**	vd**	06			XXX	10	ca. 8K0E	Radar sweeps? Ca 15 sec. *QSY UP. **24/24H, 7/7D on all HF spectrum

URE; Gaspar, EA6AMM

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
10121	1550	15	06			FMOP	40	12K0E	OTHR Contayner
10141	1532	06	15			F1B		500 Hz	Just for info
10160	1819	29	06			FMOP	40	12K0E	OTHR Contayner
13994	0737	09	06			FMOP	40	12K0E	OTHR Contayner
14000*	vt**	vd**	06			XXX	10	ca. 8K0E	Radar sweeps? Ca 15 sec. *QSY UP. **24/24H, 7/7D on all HF spectrum
14001	1046	03	06			FMOP	40	12K0E	OTHR Contayner
14008	0514 vt*	08 vd*	06			F1B		250	*Also on 20 & 26 June
14023	1116	08	06			J7D	120	2K70E	CIS-12 aka AT3004D
14050	0845	19	06			F1B		250 Hz	
14068.5	0629	22	06			XXX		1K20E	DPRK 1200 modem
14088	1047	18	06			FMOP	40	12K0E	OTHR Contayner
14088	1054	18	06			FMOP	40	12K0E	OTHR Contayner. 2 simultaneous TX: 14088 + 14118 kHz
14090	1346 vt*	15 vd*	06			FMOP	40	12K0E	OTHR Contayner. *Also on 25 & 26 June
14094	0738	19	06			FMOP	40	12K0E	OTHR Contayner
14106	1612	13	06			FMOP	40	12K0E	OTHR Contayner
14108	0627 vt	08 vd	06		*		21		Encrypted QTCs (figures & letters; cyrillic CW characters used). Most of the times, unid st. DQRMs TX: "QSY", repeatedly. Morning hours. Almost daily. *** Idents**: 3KCC, M9MU, 3BMB, FZBK, WILE, M49N, TEN4, H6ET, IWXL, GN3F, 8WGC, 9B5Y, WBN7, 9YIA, APPM
14108	1122	09	06			FMOP	40	12K0E	OTHR Contayner
14108	1054	18	06			FMOP	40	12K0E	OTHR Contayner. 2 simultaneous TX: 14108 + 14088 kHz
14113	0732	16	06			FMOP	40	12K0E	OTHR Contayner
14113	0750	16	06			FMOP	40	12K0E	OTHR Contayner. 2 simultaneous TX: 14113 + 14181 kHz
14113.5	1654	07	06			XXX	600	600	DPRK FSK 600 ARQ
14114	0706	05	06			FMOP	40	12K0E	OTHR Contayner
14115	1827	15	06			FMOP	40	12K0E	OTHR Contayner
14115	1827	15	06			FMOP	40	12K0E	OTHR Contayner. 2 simultaneous TX: 14115 + 14174 kHz
14117.75	0609	22	06			XXX			Carrier. Long - lasting
14118	0740 vt	12 vd	06		KAKI AEWQ	A1A	17		Encrypted QTCs
14118	1026 vt	15 vd*	06			XXX			Carrier. Strong & long - lasting. TDoA, area of Moscow. *Also on 16 June
14125	1123	09	06			J3E-U			Speech. Male voice. RUS language. Long - lasting.
14127	1615	13	06			J3E-U			BC relaying. Religious program, RUS & ENG language
14128	1718	06	06			FMOP	40	12K0E	OTHR Contayner
14130	1757	14	06			J3E-U			BC relaying. RUS language.
14141	1506	22	06			FMOP	40	12K0E	OTHR Contayner. 3 simultaneous TX: 14141 + 14186 + 14343 kHz

URE; Gaspar, EA6AMM

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
14146	1213	26	06			FMOP	40	12K0E	OTHR Contayner
14148	1609	03	06			FMOP	40	12K0E	OTHR Contayner
14151	1826	02	06			FMOP	40	12K0E	OTHR Contayner. 2 simultaneous TX: 14151 + 18189 kHz
14157	1807	22	06			FMOP	40	12K0E	OTHR Contayner
14159	1523	04	06			FMOP	40	12K0E	OTHR Contayner
14164	1440	06	06			FMOP	40	12K0E	OTHR Contayner
14164	1438	08	06			FMOP	40	12K0E	OTHR Contayner. 2 simultaneous TX: 14164 + 14181 kHz
14165	1847	02	06			FMOP	40	12K0E	OTHR Contayner. 2 simultaneous TX: 14165 + 14151 kHz.
14171.5	1211	17	06			FMOP	40	12K0E	OTHR Contayner
14174	1829	15	06			FMOP	40	12K0E	OTHR Contayner. 2 simultaneous TX: 14174 + 14115 kHz.
14176	0612	14	06			FMOP	40	12K0E	OTHR Contayner.
14179	0919	07	06			FMOP	40	12K0E	OTHR Contayner
14180	1807	15	06			FMOP	40	12K0E	OTHR Contayner
14181	1906	07	06			FMOP	40	12K0E	OTHR Contayner
14181	1438	08	06			FMOP	40	12K0E	OTHR Contayner. 2 simultaneous TX: 14181 + 14164 kHz
14181	0750	16	06			FMOP	40	12K0E	OTHR Contayner. 2 simultaneous TX: 14181 + 14113 kHz
14185	1638 vt*	07 vd*	06			FMOP	40	12K0E	OTHR Contayner. *Also on 18 June
14186	0846	10	06			F1B		500 Hz	
14186	0717	20	06			FMOP	40	12K0E	OTHR Contayner
14186	1506	22	06			FMOP	40	12K0E	OTHR Contayner. 3 simultaneous TX: 14186 + 14141 + 14343 kHz
14187	1657	08	06			FMOP	40	12K0E	OTHR Contayner. 2 simultaneous TX: 14187 + 14164 kHz
14187	1727	17	06			FMOP	40	12K0E	OTHR Contayner
14188	1348	06 vt*	06 vd*			FMOP	40	12K0E	OTHR Contayner. *Also on 20 June
14189	1853	02 vt	06 vd			FMOP	40	12K0E	OTHR Contayner. Also on 13 May / 0604 UTC
14190	1825 vt*	13 vd*	06			FMOP	40	12K0E	OTHR Contayner. *Also on 18 & 29 June
14191	1148	17	06			FMOP	40	12K0E	OTHR Contayner
14192	1707	12	06			FMOP	40	12K0E	OTHR Contayner
14193	0746	10	06			FMOP	40	12K0E	OTHR Ccontayner. 2 simultaneous TX. 14193 + 14213 kHz
14193	0531	13	06			FMOP	40	12K0E	OTHR Contayner
14194	0644	09 vt*	06 vd*			FMOP	40	12K0E	OTHR Contayner. *Also on 24 June 0557 UTC
14195	0651	08	06			FMOP	40	12K0E	OTHR Contayner
14199	0610 vt*	06 vd*	08			FMOP	40	12K0E	OTHR Contayner. *Also on 22June
14200	0559	23	06			FMOP	40	12K0E	OTHR Contayner
14213	0747	10	06			FMOP	40	12K0E	OTHR Contayner. 2 simultaneous TX: 14213 + 14193 kHz

URE; Gaspar, EA6AMM

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
14217	1757	03	06			J7D	120	2K6E	CIS-12 aka AT3004D. Idling.
14220.5	0711	30	06			XXX	600	600	DPRK-FSK 600
14221	0500	05 vt	06 vd			F1B		200 Hz	Often
14240	0905	19	06			F1B		250 Hz	
14286	1319	09	06			FMOP	40	12K0E	OTHR Contayner
14292	0709 vt	12 vd	06		XICP KAOT	A1A	16		St. “XICP” calls st. “KAOT”. “RK”. Often.
14317	0759	16	06			A1A	18		Unid st TX encrypted QTCs. Cyrillic CW characters used. Unid st DQRM TX: “QSY” repeatedly
14324	0817	06	06			XXX	10	Ca. 8KE	Radar sweeps? Ca 15 sec. QSY UP. 24/24H, 7/7D on all HF spectrum
14325	1133	08	06			FMOP	40	12K0E	OTHR Contayner
14327	1401	17	06			FMOP	40	12K0E	OTHR Contayner
14330	1548	15	06			FMOP	40	12K0E	OTHR Contayner
14335	0601	24	05			FMOP	40	12K0E	OTHR Contayner
14338	0642	20	06			FMOP	40	12K0E	OTHR Contayner
14343	1337	22	06			FMOP	40	12K0E	OTHR Contayner
14343	1506	22	06			FMOP	40	12K0E	OTHR Contayner. 3 simultaneous TX: 14343 + 14186 + 14141 kHz
18061	1209	17	06			FMOP	40	12K0E	OTHR Contayner
18068*	vt**	vd**	06			XXX	10	ca. 8K0E	Radar sweeps? Ca 15 sec. *QSY UP. **24/24H, 7/7D on all HF spectrum
18074	0632	24	06			FMOP	40	12K0E	OTHR Contayner
18080	1735	06	06			J3E-U			Spanish fishers
18090	0718	12	06			FMCW	50	20K0E	OTHR
18089.7	1346	22	06			XXX		Ca 170 Hz	Unid digital signal.
18155	0654	08	06			FMOP	40	12K0E	OTHR Contayner
18165	0649	30	06			FMCW	50	20K0E	OTHR
18167	1411	17	06			FMOP	40	12K0E	OTHR Contayner
20991	1441	04	06			FMOP	40	12K0E	OTHR Contayner
21000	1530 vt	03 vd	06			J3E-U			Spanish fishers
21000*	vt**	vd**	06			XXX	10	ca. 8K0e	Radar sweeps? Ca 15 sec. *QSY UP. **24/24H, 7/7D on all HF spectrum
21030	0855	13	06			FMCW	50	20K0E	OTHR
21059	1521	04	06			FMOP	40	12K0E	OTHR Contayner
21115	0926	07	06			FMCW	50	20K0E	OTHR
21116	1233	17	06			FMOP	40	12K0E	OTHR Contayner
21156	0803	14	06			FMOP	40	12K0E	OTHR Contayner
21171	1558	29	06			FMOP	40	12K0E	OTHR Contayner
21250	0642	24	06			FMCW	50	20k0E	OTHR
21380	0657	17	06			FMCW	50	20K0E	OTHR
21414	1126	16	06			FMOP	40	12K0E	OTHR Contayner
21438	0941 vt	13 vd	06		RCV	A1A	18		“RCV” QTCs. Often

URE; Gaspar, EA6AMM

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
28860	1603	29	06			XXX	150 / 313	ca. 45K0E	OTHR bursts

USKA; Peter, HB9CET

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD / sps	SH / BW	DETAILS
80m band informational only! - Amateur co-primary, shared with other also primary allocated services!									
3525.0	1629	30	06			B7D	14x75	6K00E	DQPSK:. LINK 11 CLEW DSB mode
3527.0	2254	02	06			F1B	50	200	almost daily
5361.8 USB	2119	10		DNK		G1D PSK8	2400	3k00E	STANAG 4285; NAVY (legal) often
7001.0	0826	17	06			xxx		2k75E	Pilottone at 3300Hz; probably OFDM
7008.0	0952	17	06			F1B	75	250	
7008.5	0859	10	06			FMOP	40 sps	12k0E	OTHR: Contayner
7020.0	1751	13	06			F1B	50	250	
7051.0	2241	02	06			F1B	50	200	almost daily
7055.0	0904	10	06			J3E-L		2k70E	Russian-Ukraininen Radio war daily mutual insults, hate-raps, music
7100.0	2037	17	06			J3E-L		2k70E	Russian-Ukraininen Radio war mutual insults, hate-raps, music. A shame!
7111.0 LSB	2158	23	06			OFDM30 PSK-4	30x60Bd	ca 2k50E	CHN-30 (PRC30); Burst system; tone spacing 75 Hz; Preamble 4x PSK4 60Bd, spacing 600Hz; Pilottone
7140.0	1724	04	06	ERI	VOBM	A3E		ca 9k	BC: Voice of the broad Masses 1 daily
7164.0	2153	26	06			J7D	12x120Bd	2k70E	CIS12
7197.0	2047	04	06	TUR	322013 various	MFSK8	125	1750	ALE, MIL 188-141A; daily TUR Emergency Network
7198.4	2054	04	06			A1A			CW encrypted
14008.0	0835	10	06			F1B	50	250	often
14083.0	0837	08	06			J7D	12x120	2k7	PSK-2; CIS12 aka AT3004D
14107.0	1146	09	06			FMOP	40 sps	12k0E	OTHR; Contayner often
14110.0	1732	10	06			FMOP	40 sps	12k0E	OTHR; Contayner
14120.0	1952	16	06			FMOP	40 sps	12k0E	OTHR; Contayner
14125.0	1230	09	06			J3E-U		ca 2k1	Russian; Long lasting maybe Radio-War!
14140.0	1424	24	06			FMOP	40 sps	12k0E	OTHR; Contayner
14153.0	1350	17	06			FMOP	40 sps	12k0E	OTHR; Contayner
14160.0	1301	29	06			F1B	75	250	CIS
14162.0	1505	23	06			FMOP	40 sps	12k0E	OTHR; Contayner
14164.0	1624	08	06			FMOP	40 sps	12k0E	OTHR; Contayner
14180.0	1526	26	06			FMOP	40 sps	12k0E	OTHR; Contayner
14184.0	0820 0904	10 29	06			FMOP	40 sps	12k0E	OTHR; Contayner often
14189.0	1432	24	06			FMOP	40 sps	12k0E	OTHR; Contayner
14190.0	2100	13	06			FMOP	40 sps	12k0E	OTHR; Contayner
14191.0	1152	17	06			FMOP	40 sps	12k0E	OTHR; Contayner
14202.0	0831	08	06			FMOP	40 sps	12k0E	OTHR; Contayner
14221.0	2034	04	06			F1B	50	200	CIS often
14327.0	1341	17	06			FMOP	40 sps	12k0E	OTHR; Contayner
14337.0	0921	24	06			FMOP	40 sps	12k0E	OTHR; Contayner
14346.0	1457	17	06			FMOP	40 sps	12k0E	OTHR; Contayner

USKA; Peter, HB9CET

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD / sps	SH / BW	DETAILS
14348.0	1512	17	06			FMOP	40 sps	12k0E	OTHR; Contayner, partially in 20m band
18124.0	1146	17	06			FMOP	40 sps	12k0E	OTHR; Contayner
18169.0	0925	24	06			FMCW	50 sps	20k0E	OTHR, partially in 17m Band
21380.0	0814	17	06			FMCW	50 sps	20k0E	OTHR; UK base Cyprus
21438.0	0932 0858	02 09	06		RCV	A1A			TDoA: Area of Sevastopol daily
28860.0	0857	15	06	IRN		XXX	150 + 313 sps	ca 40k	OTHR, Bursts; long lasting, sweep rate alternating almost daily
29620.0	0838	26	06			FMCW	25 sps	20k0E	OTHR; TDoA: UK Base Cyprus

VERON; Ruud, PG1R

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
3756.0	1945	06	06		UiPTR	F1B			Ptr
3757.0	1811	11	06		Pip	AM			dots
7009.0	1521	29	06	BLR	UiMux	12MPSK			AT3004D 56 N 25.4 E Belarus
7048.8	1700	27	06		UiPtr	F1B		300	S6
7050.0	1433	07	06	UKR/ RUS	UiBC	J3E-L			Slogans; S5
7051.0	2026	06	06	RUS	UiPtr	F1B		200	Idle
7051.0	2036	11	06	RUS	UiPtr	F1B			Ptr- idle
7055.0	1803	04	06		UiBC	J3E-L			political talk and jamming
7055.0	1434	07	06	UKR/ RUS	UiBC	J3E-L			Music & slogans; 2TX same freq.; S6
7055.0	1539	10	06		UiBC	J3E-L			shouting-music-jamming
7073.0	0705	30	06	UKR	UiBC	J3E-L			male voice "radio war"
10108.0	1000	05	06	CIS	UiCW	F1A			05377 72085 5F
10108.0	1007	05	06	CIS	UiCW	F1A			UUU XXX followed by F1B Revs/Ptr
10108.0	1016	18	06	CIS	WEGI	A1A			XXX WEGI 35449 12114 VAROFORT 3705 4183 K
10108.0	1450	22	06	RUS	RDL	F1A			RDL 11111 72068 5F
10108.0	1458	22	06	CIS	WEGI	F1A			XXX WEGI 58301 87351 FANTOchBOR 1643 9363 K
10118.0	1854	09	06		UiPTR	F1B			Ptr
10131.0	0930	19	06		UiPTR	F1B			Ptr
14001.0	0907	05	06	RUS	UiCAR	A1A			carrier, TD0A nr Tula
14003.0	0746	03	06		OTHR	FMOP			radar
14008.0	0906	01	06	CIS	UiPTR	F1B			Carrier/Revs/Ptr also 18/6 10.20 UTC
14008.0	0935	28	06	CIS	UIptr	F1B			Carrier/Refs/Ptr
14108.0	0917	01	06	CIS	5GMU	A1A			WN7G de 5GMU QRV K R 506 K
14108.0	0956	02	06	CIS	IULJ	A1A			IULJ QTC 204 42 2 1250 204 = ZUH 793 = MMMMM ending 145 K
14108.0	1000	02	06	CIS	IULJ	A1A			R 204 ? calls to 4IND CAJT CXPM 5UBI 6H5T YDSZ
14108.0	1019	04	06		UiCW	A1A			tfc mil
14108.0	1010	05	06	CIS	1OI5	A1A			Cals to X8WH WMJA QDSR KQKN
14108.0	0930	12	06	RUS	UiCW	A1A			tfc mil
14108.0	1009	13	06	CIS	VJCD	A1A			FPZO de VJCD QTC 109 37 13 1302 109 = 095 = MMMMM 5BL

VERON; Ruud, PG1R

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
14108.0	0930	15	06	CIS	8FO7	A1A			NGKK de 8FO7 ZEF ZJB ZDV QYT9 K
14108.0	0935	15	06	CIS	M49N	A1A			NGKK de M49N QBE QYT6 K
14108.0	0937	15	06	CIS	8FO7	A1A			NGKK de 8FO7 ZEA ZPL ZLJ QYT6 K
14108.0	0957	15	06	CIS	L4PQ	A1A			O11A de L4PQ QBE QYT9 K
14108.0	1007	18	06	CIS	WEGI	A1A			XXX WEGI 12114 VAROFORT 3705 4183 K
14108.0	1026	19	06	CIS	IGYG	A1A			Calls to AZVU 9B5Y WLAN J9PB
14108.0	1035	19	06	CIS	IGYG	A1A			J9PB de IGYG QBE QYT6 K
14108.0	1004	20	06	CIS	Ji8I	A1A			VGS6 de JI8I QBE QYT6 K
14108.0	1008	20	06	CIS	DP3U	A1A			VHLV de DP3U ZFH ZMI ZSK QYT6 K
14108.0	1015	20	06	CIS	JI8I	A1A			Calls to FHXY VGS6 JN2O 2JQ5 5SK5
14108.0	1011	23	06	CIS	6DMK	A1A			OM3E de 6DMK QTC ZDJ K
14108.0	1011	23	06	CIS	6DMK	A1A			OM3E de 6DMK QTC ZDJ K
14108.0	1015	23	06	CIS	6DMK	A1A			6DMK 549 39 23 1302 549 = ZDJ 722 = MMMMM 5BL
14108.0	0946	24	06	CIS	APPM	A1A			APPM calls to AKSJ 5IAU 2ZP1
14110.0	0923	30	06		UiPTR	F1B			Ptr
14115.0	1250	12	06		OTHR	FMOP			radar, 12.51utc QRT
14118.0	0935	13	06	CIS	UiCW	A1A			5BL ending 714 K
14118.0	0911	14	06	CIS	KAKI	A1A			AEWQ de KAKI QTC AR
14118.0	0912	14	06	CIS	KAKI	A1A			AEWQ de KAKI 882 34 14 1205 882 = ZX. 887 = LCFKB 5BL
14168.0	0800	10	06	RUS	UiPtr	F1B		200	TD0A 55 N 41 E approx.
14240.0	0933	19	06		UiPTR	F1B			Ptr
14257.0	1011	04	06		UiPtr	F1B		500	Ptr
14284.0	1319	09	06		OTHR	FMOP			radar
21438.0	0928	18	06	RUS	RCV	A1A			RIP90 de RCV QTC 314 39 14 1308 314 = Nawarea 033
21438.0	0931	18	06	RUS	RCV	A1A			RGX94 de RCV QTC 945 45 14 1301 949 = Nawarea 036
21438.0	0935	18	06	RUS	RCV	A1A			RBE86 de RCV QTC 601 34 14 1303 601 = Nawip 038

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