



## IARU Monitoring System Region 1

# Monthly Newsletter 9 - October 2020

edited by Peter Jost, HB9CET, assisted by Gaspar Miró, EA6AMM

## News and Info's

### New IARUMS Coordinator Team

#### EA6AMM, new Coordinator R1



The Final Plenary meeting of the IARU R1 Virtual General Conference 2020 appointed Gaspar Miró, EA6AMM, as the new Co-ordinator of the IARU Monitoring System Reg. 1 ("Intruder Watch").

With Gaspar, the Monitoring System is getting a committed and highly motivated successor for this task. He is also the national coordinator of URE Monitoring and has worked intensively and successfully in this function. In addition, he worked hard

for the new IARU logger / database application. We wish Gaspar a successful time in his new role.

#### HB9CET, new Vice-Coordinator R1

Gaspar, EA6AMM appointed Peter Jost, HB9CET, as the new IARUMS R1 Vice-Coordinator. The job that he had previously held for years, before he temporarily took over the position of Coordinator ad interim up to the VGC.

Gaspar writes: "Peter has done an excellent work through all these years in IARUMS and we are really happy to keep on counting on his vast knowledge and years of experience with intruder signals on the amateur radio bands and in IARUMS".

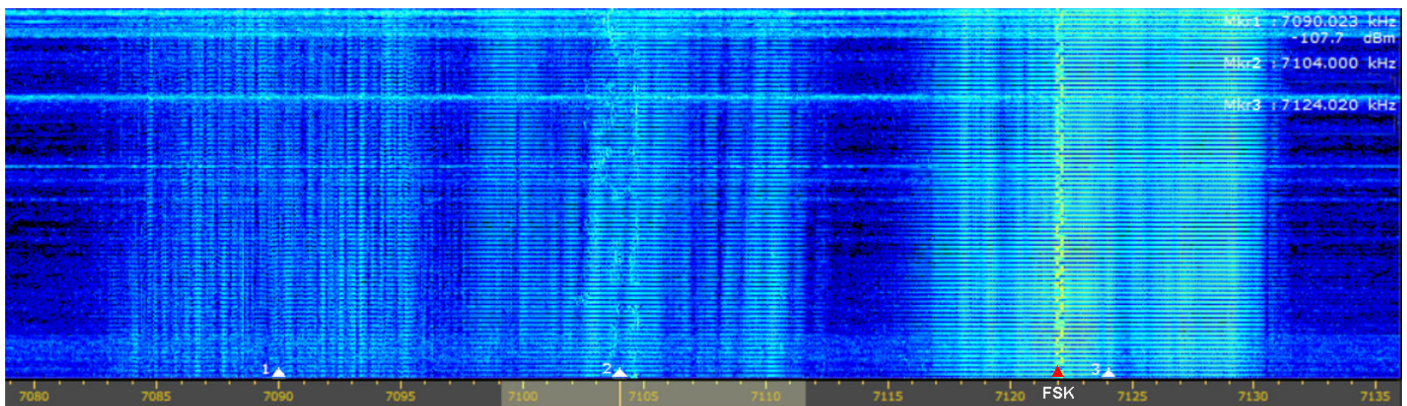
### From the monitoring desk

It is somewhat difficult to write about news and special impressions of what happened in October. How so? Quite simply, the intruders are practically always the same. Some of which we have observed almost every day for months or even years. e.g. many CIS12 (BPSK or QPSK), various FSK transmissions etc. But worst of all are the daily active OTH radars (Contayner and Foghorn, but also others). Sometimes they occupy a large width of a band, which affects us considerably. E.g. on October 7th, three OTHRs were active right next to each

other, plus an FSK, so almost 50 kHz were strongly disturbed (see picture below).

Unknown what it was about were the series of continuous five dashes (like the number Zero), which were often heard at 7075 kHz, who knows more?

vy 73, stay safe  
Peter Jost, HB9CET,  
IARUMS R1 Vice Coordinator



Three OTH Radars and one FSK, stealing us about 50 kHz of bandwidth (Screenshot: Perseus SDR by HB9CET)

## Detailed reports of national coordinators

**Abbreviations used** (as per IARUMS definitions; please do not use "own, home brew" abbreviations)

**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.

<b>DARC; Credits to monitors:</b> Wolf DK2OM, Tom DF5JL, Alex DB3TA, Roman DL3TU, Maurice, Sigmar DG5VE, Uli DG4SFS, Christian, Sebastian, Holger DO3MHA, Harald DJ3AS, Daniel DL3RTL									
kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
3510.0 RF	1900	06	10			chirps		3k	mysterious chirps; 60 km east of Bryansk - shared band
3553.0	0601	22	10			J3E-U			Talk in Japanese language? Propably fishery.
3581.8	ady	dly	10	TUR		PSK8A	2400	2400	Stanag-4285 - 600 bps long - Ankara - shared band!
3756.8 RF	1800	dly	10	RUS		USB			RUS MIL - channel marker - 4 tones - Tuapse - East Black Sea (nw of Sochi) - night QRG
7004.0	1630	09	10	RUS		FMOP	40 sps	12k	OTH radar Contayner, nw of Saransk -also 11.10.2020 at 1610 utc
7005.0	1738	24	10	CHN		FMOP	66.66 sps	10k	Chinese OTH radar - 3.8 sec bursts; "Foghorn"
7008.0	1424	14	10	RUS		PSK2A	120	2600	CIS-12 submode idle
7016.0	1826	27	10	CHN		FMOP	50 sps	10k	Chinese OTH radar - 5 sec bursts
7017.0	1915	13	10	CHN		FMOP	66.66 sps	10k	Chinese OTH radar - 3.8 sec bursts; "Foghorn"
7023.0	2057	24	10	CHN		FMOP	66.66 sps	10k	Chinese OTH radar - 3.8 sec bursts; "Foghorn"
7026.0	1500	01	10	CHN		FMOP	66.66 sps	10k	Chinese OTH radar - 7.6 sec bursts - 7026 and 7031 alternating "foghorns"
7037.0	1643	01	10	RUS		PSK2A	120	2600	CIS12 AT3004D - Kaliningrad
7039.2	1938	05	10	RUS	"F"	A1A			Cluster beacon „F“ - Vladivostok RUS Navy - "RJS"
7039.4	2030	02	10	RUS	"M"	A1A			Cluster beacon „M“ - Magadan RUS Navy - „RTS“ - daily
7054.0	1612	06	10	RUS		F1B	50	180	Far East Russia - often
7054.0	2120	28	10	CHN		FMOP	42.5	10k	Chinese OTH radar - 6.1 sec bursts
7055.0	vt	dly	10	UKR		LSB			Music and Russian voices
7058.0	1937	27	10	RUS		FMOP	40 sps	12k	OTH radar Contayner - nw of Saransk
7063.0	1940	30	10	CHN		FMOP	50 sps	10k	Chinese OTH radar - 5 sec bursts
7065.0	1610	19	10	RUS		FMOP	40 sps	12k	OTH radar Contayner - nw of Saransk
7065.0	1816	23	10	CHN		FMOP	66.66 sps	10k	
7068.0	1619	22	10	RUS		FMOP	40 sps	12k	OTH radar Contayner; nw of Saransk
7074.795	1144	03	10			A1A	12 WPM		series fo five dashes like number Zero
7075	1503	17	10			A1A	12 WPM		series fo five dashes like number Zero
7080.0	vt	dly	10	RUS		F1B	50	200	Kaliningrad - daily
7088.0	1300	20	10	RUS		F1B	75	250	RUS MIL Kaliningrad - long lasting
7094.0	1644	05	10	CHN		FMOP	66.66 sps	10k	Chinese OTH radar - 3.8 sec bursts; "Foghorn"
7094.0	1941	20	10	CHN		FMOP	66.66 sps	10k	Chinese OTH radar - 3.8 sec bursts; "Foghorn"
7097.0	1505	01	10	CHN		FMOP	50 sps	10k	Chinese OTH radar - 5 sec bursts
7099.0	1944	09	10	CHN		FMOP	66.66 sps	10k	Chinese OTH radar - 3.8 sec and 63 sps - 4.1 sec bursts

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kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
7104.0	1654	27	10	CHN		FMOP	50 sps	10k	Chinese OTH radar - 5 sec bursts
7105.0	2043	13	10	CHN		FMOP	66.66 sps	10k	Chinese OTH radar - 3.8 sec bursts; "Foghorn"
7107.0	2059	03	10	RUS		FMOP	40 sps	12k	OTH radar Contayner; nw of Saransk
7108.0	2020	06	10	RUS		FMOP	40 sps	12k	OTH radar Contayner; nw of Saransk
7108.0	1923	17	10	RUS		FMOP	40 sps	12k	OTH radar Contayner; nw of Saransk
7108.0	2116	28	10	CHN		FMOP	50 sps	10k	Chinese OTH radar; 5 sec bursts
7111.0	0957	17	10	RUS		F1B	75	250	Severomorsk
7114.0	1745	31	10	RUS	RDL	F1B	50	200	ident on F1A "RDL" - St. Petersburg
7117.0	1821	27	10	CHN		FMOP	50 sps	10k	Chinese OTH radar - 5 sec bursts
7119.0	1817	20	10	RUS		FMOP	40 sps	12k	OTH radar Contayner; nw of Saransk
7122.0	1915	01	10	RUS	RDL	F1B	50	200/250	RUS Navy - Severomorsk or Moscow - daily
7126.0	1825	19	10	RUS		FMOP	40 sps	12k	OTH radar Contayner; nw of Saransk
7128.0	1702	21	10	RUS		FMOP	40 sps	24k 14k	OTH radar Contayner; nw of Saransk
7128.0	1947	30	10	CHN		FMOP	66.66 sps	10k	Chinese OTH radar - 3.8 sec bursts; "Foghorn"
7132.0	2124	28	10	CHN		FMOP	50 sps	10k	Chinese OTH radar; 5 sec bursts
7134.0	1613	26	10	RUS		F1B	50	200	Vladivostok - often
7135.0	1207	29	10	CHN		FMOP	83 sps	10k	Chinese OTH radar, bursts
7136.0	1712	21	10	CHN		FMOP	66.66 sps	10k	Chinese OTH radar - 3.8 sec bursts; "Foghorn"
7137.0	1659	17	10	RUS	RDL	F1B	50	200	Kaliningrad - RUS Navy - often
7137.0	1630	20	10	RUS		F1B	100	200	
7138.0	1825	16	10	RUS		F1B	50	200	Kaliningrad
7140.0	1700	01	10	ERI		A3E		9k	7140.021 kHz - Radio Eritrea
7141.0	1355	16	10	RUS		PSK2A	120	2600	CIS-12 - Vladivostok (via remote)
7142.0	2020	06	10	RUS		FMOP	40 sps	12k	OTH radar Contayner; nw of Saransk
7148.0	1953	26	10	CHN		FMOP		10k	Chinese OTH radar; 5 sec bursts
7149.0	2109	05	10	RUS		FMOP	40 sps	22k	OTH radar Contayner; nw of Saransk
7150.0	2059	03	10	RUS		FMOP	40 sps	12k	OTH radar Contayner; nw of Saransk
7150.0	1726	08	10	CHN		FMOP	66.66 sps	10k	Chinese OTH radar - 3.8 sec bursts; "Foghorn"
7155.0	1650	27	10	CHN		FMOP	50 sps	10k	Chinese OTH radar; 5 sec bursts
7159.0 CF	1840	19	10	GRC		J7D	75	5850	LINK11-CLEW on DSB mode - Aegean Sea
7162.0	0710	04	10	RUS	RDL	F1B	75	250	Kaliningrad - RUS Navy - often
7164.0	1956	10	10	CHN		FMOP	50 sps	10k	Chinese OTH radar; 5 sec bursts
7165.0	1819	27	10	CHN		FMOP	66.66 sps	10k	Chinese OTH radar - 3.8 sec bursts; "Foghorn"
7174.0	1826	06	10	CHN		FMOP	50 sps	10k	Chinese OTH radar; 2.5 sec bursts
7177.0	1729	07	10	RUS		FMOP		12k	OTH radar Contayner; nw of Saransk
7177.0	1730	07	10	CHN		FMOP	66.66 sps	10k	Chinese OTH radar - 3.8 sec bursts; "Foghorn"
7179.0	1958	10	10	CHN		FMOP	50 sps	10k	Chinese OTH radar - 5 sec bursts
7180.0	1700	01	09	ERI		A3E		9k	7180.021 kHz - Radio Eritrea
7182.0	1844	09	10	RUS		FMOP	40 sps	12k	OTH radar Contayner; nw of Saransk
7186.0	1736	16	10	CHN		FMOP	66.66 sps	10k	Chinese OTH radar - 3.8 sec bursts; "Foghorn"
7190.0	1820	dly	10	CHN		A3E		40k	China Radio International on 7210 kHz - with splatters on 7190 kHz - 7230 kHz - daily 1800 - 1900 utc
7199.8	1449	14	10			CIS12	12x120	4800 bps	
7200.0	1350	14	10	RUS		PSK2A	120	2600	CIS-12 - Kaliningrad

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kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
10100.0	0800	dly	10	FEa		USB			10100.0 - 10150.0 - Far East - crowded of pirates mostly Indonesia
10101.0	1340	16	10	CYP		FMOP	50 sps	20k	UK OTH radar Cyprus
10111.0	1616	22	10	CYP		FMCW	50 sps	20k	UK OTH radar Cyprus
10132.0	1449	15	10	FEa		USB			Far East pirates
10152.0	1532	05	10	RUS		FMOP	40 sps	12k	OTH radar Contayner; nw of Saransk
10153.0	1403	24	10	CHN		FMOP	50 sps	10k	Chinese OTH radar; 5 sec bursts
14000.0	1400	01 daily	10	CHN		A3E		9k	China Radio International - Inter-modulation from 13855 and 13710 kHz: 13855 x 2 - 13710 = 14000 kHz
14008.0	0855	07	10	RUS		F1B	50	250	Moscow - very often
14104.0	0855	08	10	CHN		FMOP	66.66 sps	10k	Chinese OTH radar - 3.8 sec bursts; "Foghorn"
14115.0	0839	03	10	CHN		FMOP	66.66 sps	10k	Chinese OTH radar - 3.8 sec bursts; "Foghorn"
14151.0	1545	29	10	RUS		FMOP	40 sps	12k	OTH radar Contayner; nw of Saransk - together with 14183.0 CF
14152.0	0833	17	10	CHN		FMOP	66.66 sps	10k	Chinese OTH radar - 3.8 sec bursts; "Foghorn"
14173.0	0854	08	10	CHN		FMOP	66.66 sps	10k	Chinese OTH radar - 3.8 sec bursts; "Foghorn"
14183.0	0913	14	10	CHN		FMOP	66.66 sps	10k	Chinese OTH radar; 3.8 sec bursts and 62.9 sps - 4 sec bursts - changing
14184.0	1418	27	10	RUS		FMOP	40 sps	12k	OTH radar Contayner; nw of Saransk
14198.0	0851	08	10	CHN		FMOP	66.66 sps	10k	Chinese OTH radar - 3.8 sec bursts; "Foghorn"
14212.0	1214	15	10	UKR		A3E			female voice with encrypted msgs - figures - "SZRU" = Foreign Intelligence Service of Ukraine in Rivne - every Thursday at 1206 utc - msgs at 1214 utc
14221.0	2030	dly	10	KAZ		F1B	50	200	Kazakhstan - west of Almaty - mostly idling - every evening
14225.0	0921	12	10	CHN		FMOP	66.66 sps	10k	Chinese OTH radar - 3.8 sec bursts; "Foghorn"
14228.0	1013	03	10	CHN		FMOP	50 sps	10k	Chinese OTH radar; 5 sec bursts
14256.0	0840	07	10	CHN		FMOP	66.66 sps	10k	Chinese OTH radar - 3.8 sec bursts; "Foghorn"
14269.0	0926	20	10	CHN		FMOP	50 sps	10k	Chinese OTH radar - long lasting
14286.0	1026	29	10	RUS		FMOP	40 sps	12k	OTH radar Contayner; nw of Saransk
14303.0	0956	27	10	CHN		FMOP	50 sps	10k	Chinese OTH radar; - 2.5 sec bursts
14307.0	0907	01	10	CHN		FMOP	66.66 sps	10k	Chinese OTH radar - 3.8 sec bursts; "Foghorn"
14307.0	1119	30	10	CHN		FMOP	66.66 sps	10k	Chinese OTH radar - 3.8 sec bursts; "Foghorn"
14301.9	1043	13	10	RUS		OFDM		2760	OFDM 60 - west of Obninsk - BC mode?
14315.0	1036	12	10	CHN		FMOP	50 sps	10k	Chinese OTH radar; 5 sec bursts
14318.0	1049	07	10	CHN		FMOP	50 sps	10k	Chinese OTH radar; 5 sec bursts
14342.0	0923	10	10	CHN		FMOP	50 sps	10k	Chinese OTH radar; 5 sec bursts
14344.0	1015	07	10	CHN		FMOP	50 sps	10k	Chinese OTH radar
7180.0 7175.0	2036	21	10	CHN		FMOP	66.66 sps	10k	Chinese OTH radar - 7180 CF - 7175 CF kHz - changing - - 7.6 sec bursts: "Foghorn"
18080.0	0750	dly	10	TWN		A3E/BC			Sound of Hope - Taiwan and Chinese BC jammer - daily at 06 utc and later
18107.0	1012	07	10	RUS	RDL	F1B	36/50	200	CIS-36-50 - Moscow - idle and traffic - often - Russian Navy - shared band
21438.0	0900	05	10	RUS	RCV	A1A			RUS Navy Sevastopol with QTCs for RGX94 or RIP90 or RMCW de RCV daily active
28005.0	0830	18	10	RUS		F3E			RUS taxi - base station - female voice - St. Peterburg - daily - all day

<b>IRTS; Michael, EI3GYB</b>									
kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
3725	2025	13	10	E or MM		USB			Spanish fishermen. Very strong.
3762	1550	21	10	F		LSB			Continuous shouting in French. Music is being played. Recorded tape playing a note to Hams telling them not to engage with Russian Hams. Total chaos. Noticed on a few days, also last month.
6995	2055	31	10			FMOP			Radar from 6995 to 7009 kHz. Strong and persistent
7055	1000	06	10	RUS/UKR		LSB			Russian-Ukrainian radio war. Shouting of slogans. Ongoing, daily
7079	2030	13	10			FMOP			Radar from 7079 - 7100 kHz. Huge signal. persistent
7081	1940	01	10			F1B			Persistent signal. Also heard on 8 <sup>th</sup> at 1800z and 9 <sup>th</sup> at 0900z
7089	1200	20	10			F1B			Strong signal
7096	2230	02	10			F1B			Strong and persistent signal
7106	1845	20	10			FMOP			Radar from 7106 - 7130 kHz. Huge and persistent signals
7120	2010	28	10			FMOP			Radar from 7120 - 7135 kHz. Huge and persistent signals. Wipes the band clean
7123	1605	01	10			F1B			Strong and persistent signal. On right through until the 2 <sup>nd</sup> at 1100z
7123	2120	31	10			F1B			Medium strength signal
7143	1845	20	10			FMOP			Radar from 7143 to 7142 kHz. Huge and persistent signal. No other traffic possible
7174	1615	01	10			FMOP			Radar from 7174 - 7186 kHz. On and off. Big signal
7180	2110	31	10			FMOP			Radar from 7180 - 7192 kHz. On and off
7180.5	2115	31	10			F1B			Medium strength signal.
7183	1545	29	10			FMOP			Radar from 7183 - 7203 kHz. Huge signal. Persistent
7191	2044	08	10			FMOP			Radar from 7191 -7205 kHz. Very strong
14000	1510	20	10			PSK			Big signal, on and off
14144	1245	18	10			FMOP			Radar from 14144 - 14158 kHz. On and off
14185	1110	22	10			FMOP			Radar from 14185 - 14203 kHz. Strong and persistent signal
14248	1100	27	10			FMOP			Radar from 14248 - 14260 kHz. Strong and persistent
18155	1135	26	10			FMOP			Radar from 18155 - 18169 kHz. Huge signals
21420	1010	22	10			FMOP			Radar from 21420 to 21432 kHz. Huge,persistent. Ends 1105z

<b>MRASZ (1); Laci, HA7PL</b>									
kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
3510.0	1630	20	10			A1A			chirping
3533.0	1730	08	10			PSK2			CIS12 (AT3004D)
3546.0	1714	11	10			F1B		200	
3566.0	1656	05	10			F1B		250	
3581.8	1715	05	10			PSK8A	2400	2400	Stanag 4285; hrd on:05, 08, 10, 11, 15, 21, 29
3584.0	1656	05	10			F1B		250	
3652.0	1632	20	10			F1B		200	

**MRASZ (1); Laci, HA7PL**

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
3739.0	1634	05	10			A1A			RKZ de RCV QTC 907 185 1757 907
7000.0	1516	17	10			OTHR			6990 – 7010 kHz
7055.0	1659	05	10			LSB			propaganda
7055.0	1634	10	10			LSB			chaos; hrd on: 13, 15, 18, 22,
7060.0	1634	20	10			OTHR			7055 – 7065 kHz
7066.0	1629	05	10			OTHR			7050 – 7066 kHz
7080.0	1755	08	10			F1B		200	
7088.0	1635	20	10			F1B		250	
7088.0	1636	21	10			F1B		250	hrd on: 22
7105.0	1831	08	10			OTHR			7095 – 7115 kHz
7120.0	1712	08	10			F1B		200	
7124.0	1656	11	10			F1B		200	
7181.0	1658	05	10			OTHR			7170 – 7192 kHz
7190.0	1713	08	10			OTHR			7180 – 7200 kHz, also hrd on: 15
7200.0	1700	11	10			PSK2			AT3004D
10123.0	1538	30	10			LSB			“88326 26184 09082” english I.
18106.0	1252	13	10			F1B			

**MRASZ (2); Zsolt Ács, HG5ACZ**

KHz	UTC	DD	MM	ITU	IDENT	MODE	BD/sps	SH/BW	DETAILS
3510.0	0504	8	10			USB		3k	Pulzes 2-3 times in one second
3510.0	1706	20	10	RUS		USB			„Air Horn”, Smolensk
3527.0	0506	8	10	RUS		F1B	100	250	mainly idle, sometimes short traffic
3531.5	0624	2	10	RUS		PSK2A	1200	2400	CIS 12 (AT3004D) DF:28.6E / 54.0N, Minsk
3536.0	1730	2	10	RUS		PSK2A	1200	2400	CIS 12 (AT3004D) DF: 35.8E / 46.6N
3544.0	0508	15	10	RUS		F1B	75	250	
3546.0	1813	1	10	RUS		PSK2A	1200	2400	CIS 12 (AT3004D) DF: 35.2E / 56.2N
3548.0	1706	12	10	RUS		PSK		2400	
3548.0	1927	19	10	RUS		F1B	50	200	also hrd on 20,21; DF: 40.2E / 42.6N
3550.0	1926	19	10	RUS		PSK2A	1200	2400	CIS 12 (AT3004D) DF: 46.2E / 53.4N also hrd on20
3550.5	1710	12	10			PSK		2400	short period of traffic
3551.0	1707	12	10	RUS		F1B		250	idle
3552.0	0512	15	10	RUS		F1B	75	250	
3552.5	1754	21	10	RUS		PSK2A	1200	2k4	CIS 12 (AT3004D), idle
3565.0	0520	2	10	BLR		PSK2A	1200	2400	CIS 12 (AT3004D) DF:28.4E / 54.2N, Minsk
3568.0	0505	15	10	RUS		F1B	50	200	
3578.0	1604	6	10	RUS		PSK2A	1200	2400	CIS 12 (AT3004D) idle, later traffic DF: 33.9E / 54.7N
3581.0	1720	1	10	TUR		PSK8A	2400	2400	STANAG-4285 DF: 33.8E / 38.8N long duty, countinously many hours, one morning & one evening period; also hrd on many days
3585.7	1933	6	10	RUS		PSK2A	1200	2400	CIS 12 (AT3004D), idle
3586.0	1938	5	10	RUS		F1B	75	250	idle DF: 38.0E / 57.4N
3590.7	1922	4	10			PSK		0k6	
3591.0	1717	14	10	RUS		F1B		250	idle
3593.0	1740	14	10	RUS		PSK2A	1200	2400	CIS 12 (AT3004D) DF: 38.6E / 55.2N
3608.5	0602	7	10					2400	Multi mode, PSK, burst
3610.0	0520	12	10			Unk		10k	burst
3618.5	1713	30	10			PSK		3k	data burst

**MRASZ (2); Zsolt Ács, HG5ACZ**

KHz	UTC	DD	MM	ITU	IDENT	MODE	BD/sps	SH/BW	DETAILS
3632.0	1851	1	10			PSK8A	2400	2400	STANAG-4285
3636.0	18.28	7	10			PSK8A	2400	2400	STANAG-4285
3687.0	1848	20	10	RUS		PSK2A	1200	2k4	CIS 12 (AT3004D) DF: 39.0E / 47.4N
3690.0	1849	20	10	RUS		LSB			russian music, strong signal
3693.0	1826	1	10					4k	unk, multi carrier
3698.0	1828	1	10					1k5	unk
3748.0	1916	20	10	RUS		F1B		250	DF: 47.6E / 51.8N
3759.5	1924	20	10			unk		12k	
7045.5	1420	2	10	UKR		OFDM		2400	6, 14 carriers with 3 sec long blocks DF:29.8E / 49.0N
7051.5	1720	4	10						OTH radar
7053.0	1415	2	10	UKR		LSB			daily propaganda
7055.0	1051	5	10	UKR		LSB			daily propaganda
7061.0	1259	6	10	RUS		PSK2A	1200	2400	CIS 12 (AT3004D) DF:35.0E / 57.6N
7088.0	1109	20	10	RUS		F1B	75	250	
7113.5	1902	4	10						OTH radar
7118.0	1720	2	10					12k	OTH radar
7140.0	1922	1	10	CHN					Radar 5 sec signal 17 or 23 sec pause
7140.0	0616	7	10	RUS		PSK2A	1200	2400	CIS 12 (AT3004D), idle, DF: 19.0E / 54.5N - Kaliningrad

**PZK; Marek, SP3AMO + Miro, SP5GNI**

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
3547.8	1830	21	10			F1B/NON	50	200	RSQ 595 - changeble modes
3652.8	1647	20	10			F1B	50	200	S 7-9
3741	0553	16	10			F1B	75	500	S 9
5353	0809	21	10			F1B		240	
5361.5	0945	22	10			UI		2K7	Weak S5 (probably Stanag)
7000	1600	9	10			FMOP		10K0E	S9, OTHR - start 16.00 UTC sps 40 Hz, QRT 16.15, start 16.30
7000	1600	11	10			FMOP		12K0E	S9, OTHR - start 16.00 UTC sps 40 Hz, [6996,0 - 7008,0 kHz], 16.15 Stop
7000	1638	13	10			FMOP		12k0E	S9, OTHR [6996,0 - 7008,0 kHz] 17.00 UTC QRT
7000.5	1343	20	10			PSK			S 7
7018	1124	15	10			UI		2K0	Changable sound, sometimes like a foghorn
7025	2230	25	10			FMOP		24K	OTHR S9
7047.5	1319	21	10			UI		2K5	Repeatable transmissions, 6 seconds strong - 1second weak
7055	1120	15	10	UKR		LSB		2K7	Repeatable anti-Russian message in English S9+10dB
7055	0940	22	10	UKR		LSB		2K7	Anti-Russian message in English, Spanish, Italian, German, French, Polish, Russian S9+20dB
7055.8	1815	28	10			FMOP		12k0E	S 9 sps 40 Hz, 18.23 UTC QRT
7058	2250	25	10			FMOP		24K0	OTHR S9
7087.8	0725	23	10			F1B	50	200	RSQ 595 + 10 dB
7088	1020	23	10			F1B		250	S9 +10
7108	2250	25	10			FMOP		24K0	OTHR S9+10
7116	1732	21	10			F1B	50	200	RSQ 595 + 20 dB, 18.03 UTC QRT
7184	1935	28	10			FMOP		12k0E	S 7-8, sps 40 Hz,

**PZK; Marek, SP3AMO + Miro, SP5GNI**

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
7190	1725	21	10			FMOP		20k0E	S 9 OTHR - sps 40Hz 17.27 UTC QRT
7196	1338	19	10			UI		8K0	
10114.3	0720	23	10			F1B	100	1000	S 9
10125	803	5	10	RUS		PSK		2K9	CIS-12 pilots 10126,3 and 10123
10133	815	15	10	RUS		PSK		2K9	CIS-12 pilot 10134,3 S9
14135	938	16	10			FMOP		10K0E	OTHR S7 (4 second bursts)
14172	948	16	10			FMOP		10K0E	OTHR S9 (4 second bursts) (from East)
14185	1354	19	10			FMOP		10K0E	OTHR
14189	1121	29	10			FMOP		10K0E	OTHR S7 (a few seconds burst)
14192	1240	20	10			FMOP		12K	1241 ended
14232	1319	19	10			UI		2K5	Repeatable transmissions
14242	834	3	10	RUS		PSK		2k9	CIS-12 pilot 14243,3 S7
14245	815	11	10			FMOP		10K	OTHR S9
14273.8	0625	29	10			NON			S 1
14285	1120	29	10			FMOP		12K	OTHR S8
14291	954	22	10			FMOP		10K	OTHR S9 (4 second bursts)
14310	1010	3	10			FMOP		10K	OTHR S7
14318	805	23	10			UI		1K7	Multitone (about 12) S7
14322	937	16	10			FMOP		10K	OTHR S7 (4 second bursts)
18070	825	13	10			FMOP		20K	OTHR S9+20
18090	1315	20	10			FMOP		20K	Ended after a few minutes
18165	1005	23	10			FMOP		14K	OTHR S8
21300	748	23	10			UI		6K	OTHR? Shortly, weak signal

**REF; Francis, F5MIU**

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
3762	1600	1	10			USB		4.5kHz	Long voluntary QRM (music & old QSO records, insults, insanity) +20dB over a regular French QSO (> 1h) S9+20,
7065	1720	4				FMCW		20kHz	OTH Radar pulsed 40ms,S9+30
7120	1726	28				FMCW		20kHz	OTH Radar pulsed 25ms,S9+20
7135	1720	4				FMCW		15kHz	OTH Radar pulsed 40ms,S9+20
10130	1456	12				FMCW		15kHz	OTH Radar pulsed 40ms,S9+20
14127	0602	30				FMCW		40kHz	OTH Radar pulsed 100ms,S9+20
14263	1720	6				FMCW		20kHz	OTH Radar pulsed 40ms,S7
18170	0745	17				FMCW		20kHz	OTH Radar pulsed 20ms,S9
21290	0750	13				FMCW		20kHz	OTH Radar pulsed 20ms,S6
21410	0800	17				FMCW		10kHz	OTH Radar pulsed 100ms,S6
21415	0805	15				CW		10kHz	OTH Radar pulsed 100ms,S6

**REP; José, CT4AN**

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
7015	17.00	18	10			CW			Permanent Carrier (22dBuV)
7035	16.28	26	10	CHN		FMOP	60		OTH
7039	21.42	17	10	RUS	K	A1A			Beacon
7055	08.30	20	10	RUS UKR		J3E-L			Political propaganda



**REP; José, CT4AN**

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
7075	09.12	15	10			PSK	2400		Stanag
7105	11.00	15	10			PSK-4	75	450	
7125	11.45	22	10			F1B		200	
7128	18.00	20	10	RUS		FMOP			OTH
7140	16.48	24	10	ERI	VoBM1	9k00 A3EGN			Voice of Broad Masses
7180	dly	dly	10	ERI	VoBM2	9k00 A3EGN			Radio Eritrea (w/ strong fade)
14110	10.00	15	10			F1B		2.7k	CIS-12
14145	15.55	19	10	CHN		FMOP	42		OTH
14145	18.44	20	10	CHN		FMOP	10	100k	OTH
14180	19.05	17	10			F1B	50	500	
14185	15.00	20	10			F1B		50	CIS-36
14221	21.34	16	10			F1B		200	
14260	15.21	17	10			F1B	50	500	
14307	10.55	15	10	CHN		FMOP	66		OTH, Foghorn
28005	15.30	24	10	RUS		FM			Taxis, female op.
28130	12.05	20	10	I		A3E			CB

**RSGB; Richard, G4DYA**

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
3510.0	ady	dly	10			J3E		2K70E	USB 'The Air Horn'
3756.0	vt	dly	10			J3E		1K70E	USB 'The Pip'
7000.0	1012	07	10			J7D		2K50E	USB Link 11 CLEW
7012.0	0821	16	10			J7D		2K70E	USB 7100.0 / CIS-12
7016.0	0749	05	10			F1B		250	
7017.8	1159	15	10					1K04E	Unid. 14 main tones spaced 80 Hz when 'idle'.
7023.0	1920	18	10	CHN		F3N	66.7	10K0E	'Foghorn' OTH radar bursts
7029.0	0849	03	10			F1B		200	
7037.0	1644	01	10			J7D		2K70E	USB 7035.0 / CIS-12.
7044.0	1243	12	10			F1B		250	Ceased at 1253z.
7074.39	vt	vd	10			A1A A1N			Continuous 0s (five dashes) Continuous long dashes
7074.79	1306 0755	03 28	10			A1A A1N			Continuous 0s (five dashes) Continuous long dashes
7074.80	0913	07	10			A1A			Continuous 0s (five dashes)
7074.99	vt	vd	10			A1A A1N			Continuous 0s (five dashes) Continuous long dashes
7075.00	1100 0757	04 15	10			A1A A1N			Continuous 0s (five dashes) Continuous long dashes
7080.0	1701- 2021	vd	10			F1B		200	
7088.0	vt	vd	10			F1B		250	
7111.0	0927	17	10			F1B	75	250	
7114.0	1745	31	10			F1B		200	
7116.0	1733	21	10			F1B		200	
7122.0	1641	01	10			F1B		250	
7122.0	vt	vd	10			F1B		200	
7128.0	1653	21	10			P0N	40	22K0E	Unusually wide for 'Container'

<b>RSGB; Richard, G4DYA</b>									
kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
7140.0	0915	07	10			J7D		2K70E	USB 7138.0 / CIS-12
7141.0	1559	27	10	RUS		P0N	40	14K0E	Container OTH radar. Ceased at 1603z.
7148.0	1528	23	10	RUS		P0N	40	14K0E	Container OTH radar
7159.0	vt	16-22	10			B7D		6K00E	Link 11 CLEW
7162.0	vt	vd	10			F1B		250	
7180.0	1612	06	10	RUS		P0N	40	14K0E	Container OTH radar
7186.0	1658 1806	01 07	10	RUS		P0N	40	14K0E	Container OTH radar
7191.0	1713	15	10	RUS		P0N	40	14K0E	Container OTH radar
7195.0	1713	08	10	RUS		P0N	40	14K0E	Container OTH radar
7196.0	1714	21	10	RUS		P0N	40	14K0E	Container OTH radar
7196.0	0751	29	10					1K00E	
7198.0	0935	18	10			F3N	8.4	1K80E	
7200.0	0752	14	10			J7D		2K70E	USB 7198.0 / CIS-12
10110.0	1630	22	10			F3N	50	20K0E	OTH radar. Ceased at 1635z.
10120.0	1542	21	10	RUS		P0N	40	14K0E	Container OTH radar
10156.0	1517	23	10	RUS		P0N	40	14K0E	Container OTH radar
14104.0	0823	08	10	CHN		F3N	66.7	10K0E	'Foghorn' OTH radar bursts
14120.0	0805	05	10			F3N	10	40K0E	OTH radar. Ceased at 0913z.
14125.0	0758	06	10	CHN		F3N	66.7	10K0E	'Foghorn' OTH radar bursts
14142.0	0856	23	10			F3N	62.4 66.7	10K0E	OTH radar bursts: varied sps
14170.0	0747	23	10	CHN		F3N	66.7	10K0E	'Foghorn' OTH radar bursts
14175.0	0909	12	10	CHN		F3N	66.7	10K0E	'Foghorn' OTH radar bursts
14182.0	0911	31	10			F3N	41.7	10K0E	OTH radar bursts
14212.0	1215	15	10			A3E		7K00E	Number station. Ceased at 1216z.
14216.0	0941	27	10	CHN		F3N	66.7	10K0E	'Foghorn' OTH radar bursts
14225.0	0905	12	10	CHN		F3N	66.7	10K0E	'Foghorn' OTH radar bursts
14228.0	0907	07	10	CHN		F3N	66.7	10K0E	'Foghorn' OTH radar bursts
14245.0	0800	11	10			F3N	50	10K0E	OTH radar. Ceased at 0830z.
14247.0	0841	31	10			F3N	50	10K0E	OTH radar
14252.0	0801	06	10	CHN		F3N	66.7	10K0E	'Foghorn' OTH radar bursts
14256.0	0910	07	10	CHN		F3N	66.7	10K0E	'Foghorn' OTH radar bursts
14260.0	0804	15	10			H3E		1K80E	Synthesised voice - number groups. Ceased at 0806z
14266.0	0901 0751	12 15	10			F1B	250		RR 5.152? Ceased at 0903z.
14267.0	0742	23	10			F3N	50	10K0E	OTH radar
14270.0	0854	12	10			A3E		10K0E	BC. Ceased at 0900z.
14278.0	0905	31	10			F3N	41.7	10K0E	OTH radar bursts
14311.0	0749	23	10			F3N	50	10K0E	OTH radar bursts
14317.0	1100	31	10	RUS		P0N	40	14K0E	Container OTH radar
14325.0	0840	23	10			F3N	50	10K0E	OTH radar bursts
18095.0	0847	12	10			F3N	50	20K0E	OTH radar. Ceased at 0849z.
18107.0	vt	vd	10	RUS	RDL	F1B		200	Permitted by RR 5.154
18162.0	1142	26	10	RUS		P0N	40	14K0E	Container OTH radar
21210.0	0836	23	10			F3N	50	20K0E	OTH radar. Ceased at 0845z. TDoA: approx Cyprus
21439.0	0717	31	10			F3N	50	20K0E	OTH radar. Ceased at 0721z.
21438.0	vt	vd	10	RUS	RCV	A1A			

<b>SRAL; Pekka, OH2BLU</b>									
kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/BW	DETAILS
7 MHz	1515-0500	*	10	RUS		FMOP	40sps	13k0E	*) Days: 1. - 13. 15. - 19. 21. - 23. 27. 28. WebSDR 25d); Contayner
7 MHz	0630-1820	*	10	RUS		FMOP	10sps	10k0E	*) Days: 5. 7. 9. 10. 12. 15. 20. 21. 23. 24. 25. 29. 30.
6999.0	1405-1500	19	10	RUS		J7D	120	2k60E	
7000.0	0940	13	10			A1A		200H	MR 5F
7006.5	1145	5	10	RUS		F1B		250H	
7012.0	0950	16	10	RUS		J7D	120	2k60E	
7016.0	1700	19	10	RUS		F1A		200H	
7018.0	1610-1615	17	10	RUS		J7D	120	2k60E	
7029.0	0500-1015	3	10	RUS		F1B		200H	
7030.0	0800-1345	*	10	RUS		F1B		250	*) Days: 8. 17. 28.
7044.0	1230-1355	1 8	10	RUS		F1B		250H	
7049.0	1000-1013	1	10	RUS		F1B		250H	
7054.0	1200-1645	14	10	RUS		F1B		250H	
7059.0	1105	10	10			F1B		250H	
7061.0	1240	6	10	RUS		J7D	120	2k60E	
7088.0	h24	*	10	RUS		F1B		250H	*) Days: 7. 16. 20. - 23.
7104.0	0720	15	10	RUS		F1B		500H	
7110.0	1000-1040	28	10	RUS		F1B/ N0N		250H	
7111.0	0525-1035	17	10	RUS		F1B		250H	
7114.0	0515-0600	*	10	RUS		F1B/ N0N		200H	*) Days: 11. 17. 31.
7115.0	0520-0710	13	10	RUS		J7D	120	2k60E	
7117.0	0720	15	10	RUS		A1A		400H	MR 5F 15WPM
7122.0	0500-1815	*	10	RUS	RDL	F1B/A N0N		200H	*) Days: 1. 2. 7. - 16. 20. - 23. 29. - 31.
7127.0	0930-0934	3	10	RUS		J7D	120	2k60E	
7127.0	0515-1530	*	10	RUS	PTGN etc	A1A		200H	*) Days: 3. 6. 8. 11. - 19. 22. 26. 31. MR 5F, 5BL 24WPM
7130.0	0815	18	10	RUS		F1B		1k0	
7134.0	1200-1530	6 11	10	RUS		F1B/A		200H	MR 5F
7137.0	0520-0640	15 17	10	RUS		F1A/ N0N		200H	
7140.0	0545-1010	7	10	RUS		J7D	120	2k60E	
7141.0	1110	16	10			J7D	120	2k60E	
7157.0	0530-1350	*	10	RUS	VB	A1A		200H	Beacon? Days: 9. 16. - 22. 24. Id 3 times every 80 sec.
7159.0	0515-1830	*	10	IW		G7D		6k00E	LINK11 dsb. Ship. Days: 16. - 25.
7160.0	0530-0940	*	10	RUS		J7D	120	2k60E	*) Days: 17. 20. 21.
7162.0	0645-1420/	*	10	RUS		F1B/ N0N		250H	Days: 4. 8. 17. 28.
7174.0	1230-1530	23	10	RUS	S2I5 etc	A1A		200H	MR 5BL, 5F, 20WPM
7180.0			10	ERI	VoBME	A3E		9k0	Not heard
7188.0	0520-1200	16 24	10	RUS		F1B		250H	

<b>SRAL; Pekka, OH2BLU</b>									
kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/BW	DETAILS
7196.0	0715-1300	*	10	RUS	PSA1 etc	A1A		200H	Days: 15. 18. 19. 20. 23. 31. MR 5BL, key failures
7198.0	1100-1130	4	10	RUS		J7D	120	2k60E	
7200.0	0710-1730	11 14	10	RUS		J7D	120	2k60E	
7200.0	1100-1300	*	10			A3E		9k0	Days: 25. - 31. TDoA near Taiwan
10 MHz	0500-2015	*	10	RUS		FMOP	40sps	13k0E	*) Days: 2. 3. 12. (WebSDR 13d)
14 MHz	0730-1045	*	10	RUS		FMOP	10sps	10k0E	*) Days: 4. 15. 21.
14 MHz	0530-1015	*	10	RUS		FMOP	40sps	13k0E	*) Days: 3. 4. 6. 12. 23. 30. 31. (WebSDR 12d)
14 MHz	0515-1145	*	10	CHN		FMOP	50/67sps	10k0E	*) Days: 1. - 9. 12. - 16. 20. 23. 30.
14 MHz	0515-0900	*	10	CHN		FMOP	50	10k0E	Days: 8. 14. 19. 30. 31.
14 MHz	0530-1000	*	10	CHN		FMOP	10	40k0E	Days: 4. 5. 15. 30.
14000.0	1357-1457	*	10	CHN	CRI	A3E		9k0	13710 kHz & 13855 kHz, days: 1. - 22.
14008.0	0500	7	10	RUS		F1B/ N0N		500H	
14221.0	0500-0630	*	10	KAZ		F1B		200H	Days: 2. 3. 5. 9. 10. - 23. 26. 30.
14266.0	0610-0900	12 15	10	RUS		F1B		250H	
14270.0	0735-0900	12 21	10	CHN	CRI	A3E		9k0	13920 kHz
14302.0	0800	8	10	RUS		J7D	120	2k60E	
18 MHz	0500-1010	*	10	CYP		FMCW	50sps	20k0	Days: 6. 9. 10. 12. 15. 17. 20. 22. 29. (WebSDR 11d)
18 MHz	1035	21	10	RUS		FMOP	40sps	13k0E	
18080.0	0700-0800	*	10	TWN	Sound of Hope	A3E		9k0	*) Days: 5. 11. 13. 14. 15. 19. 21. 22. 24. jammed by CNR
18107.0	1220	22	10	RUS		F1A		200H	
21 MHz	0530-1200	*	10	CYP		FMCW	50sps	20k0	Days: 7. 12. 13. 14. (WebSDR 14d)
21438.0	0830-1230	*	10	RUS	RCV	A1A		200H	* Days: 3. 6. 10. 11. 16. 17. 18. 21. 22. 24. 25. 22WPM

<b>URE; Gaspar, EA6AMM</b>									
kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
6993	1920	19	10			FMOP	40	12K0E	OTHR Contayner. Readable to 7002 kHz RF
6994	1938 vt*	10 vd*	10			FMOP	40	12K0E	OTHR Contayner. Readable to 7004 kHz RF. *Also 20/10, 1924 UTC
6996	2141 vt*	02 vd*	10			FMOP	40	12K0E	OTHR Contayner. *Also on 03/10, 1823 UTC
6997	1835	01	10			FMOP	40	12K0E	OTHR Contayner. 2 simultaneous TX on 40M: 6997 + 7108 kHz
6997	1908	07	10			FMOP	40	12K0E	OTHR Contayner. 2 simultaneous TX on 40m: 6997 + 7182 kHz
6997	1819	28	10			FMOP	40	12K0E	OTHR Contayner. 2 simultaneous TX on 40m: 6997 + 7058 kHz
6998	1816 vt*	13 vd*	10			FMOP	40	12K0E	OTHR Contayner. *Also on 20/10, 1750 UTC
7000	1703	07	10			FMOP	40	12K0E	OTHR Contayner
7001.5	1750	07	10			XXX		1K10E	Digital signal bursts
7003	1702	13	10			FMOP	40	12K0E	OTHR Contayner

<b>URE; Gaspar, EA6AMM</b>									
<b>kHz</b>	<b>UTC</b>	<b>DD</b>	<b>MM</b>	<b>ITU</b>	<b>IDENT</b>	<b>MODE</b>	<b>BD /sps</b>	<b>SH / BW</b>	<b>DETAILS</b>
7005	1845	13	10			FMOP	40	12K0E	OTHR Contayner. 2 simultaneous TX on 40m: 7005 + 7058 kHz
7005	1858	13	10			FMOP	40	12K0E	OTHR Contayner. 2 simultaneous TX on 40m: 7005 + 7194 kHz
7018	1610	17	10			J7D	120	2K70E	CIS-12
7023	1828	18	10			FMXX	50	10K0E	Radar bursts. "Foghorn"
7050	0703	20	10			J3E-L			Speech loop, music, propaganda. UKR / RUS "radiowar"
7055	1500 vt	01 vd	10			J3E-L			Music, speech, propaganda, loops, insults. UKR / RUS "radiowar". Often
7057	2120 vt*	05 vd*	10			FMOP	40	12K0E	OTHR Contayner, also on 27.10, 1901 UTC
7058	1834	13	10			FMOP	40	12K0E	OTHR Contayner. 2 simultaneous TX on 40m: 7058 + 7005 kHz
7058	2101	21	10			FMOP	40	12K0E	OTHR Contayner. 4 simultaneous TX on 40m: 7058 + 7107 + 7125 + 7154 kHz
7058	1819	28	10			FMOP	40	12K0E	OTHR Contayner. 2 simultanous TX on 40m: 7058 + 6997 kHz
7059	1933	09	10			FMOP	40	12K0E	OTHR Contayner. 2 simultaenous TX on 40m: 7059 + 7189 Khz
7060	1759	13	10			FMOP	40	12K0E	OTHR Contayner
7061	1918	19	10			FMOP	40	12K0E	OTHR Contayner
7063	1633 vt*	05 vd*	10			FMOP	40	12K0E	OTHR Contayner. *Also on 29.10, 1818 UTC
7064	2014	05	10			FMOP	40	12K0E	OTHR Contayner. 2 simultaenous TX on 40m: 7064 + 7113 kHz
7064	1858	06	10			FMOP	40	12K0E	OTHR Contayner. 2 simultaneous TX on 40m: 7064 + 7156 kHz
7064	1554	22	10			FMOP	40	12K0E	OTHR Contayner
7066	1639	10	10			FMOP	40	12K0E	OTHR Contayner
7069.96	1632	01	10			J7D	120	2K70E	CIS-12
7074	1715	07	10			A1A			Continuous dashes
7074.39	2020 vt	02 vd	10			A1A	12		Series of 5 dashes. constantly repeated. Long - lasting. Often
7074.795	0728 vt	03 vd	10			A1A	12		Series of 5 dashes. constantly repeated. Long - lasting. Often
7074.995	0844 vt	01 vd	10			A1A	12		Series of 5 dashes. constant-ly repeated. Long - lasting
7075	1908	07	10			FMXX	50	10K0E	Radar bursts. "Foghorn"
7080	1835 vt	01 vd	10			F1B	50	200H	CIS 36-50.QTCs (numbers) in F1A Daily
7084	1827	28	10			FMXX	66.66	10K0E	Radar bursts. "Foghorn"
7087	1656	12	10			FMOP	40	12K0E	OTHR Contayner
7088	0601 vt	07 vt	10			F1B	75	250H	Often
7094	1845	07	10			FMXX	50	10K0E	Radar bursts. "Foghorn"
7097	1706	07	10			FMXX	50	10K0E	Radar bursts. "Foghorn"
7106	1828	08	10			FMOP	40	12K0E	OTHR Contayner
7107	1857 vt*	07 vd*	10			FMOP	40	12K0E	OTHR Contayner. also on 17. 10, 1920 UTC
7107	2101	21	10			FMOP	40	12K0E	OTHR Contayner. 4 simultaneous TX on 40m: 7058 + 7107 + 7125 + 7154 kHz
7108	1835 vt*	01 vd*	10			FMOP	40	12K0E	OTHR Contayner. *01/10: 2 simultaneous TX on 240m;7138 + 6997 kHz. 11/10, 2044 UTC
7111	1825	15	10			FMXX	50	10K0E	Radar bursts. "Foghorn"

<b>URE; Gaspar, EA6AMM</b>									
<b>kHz</b>	<b>UTC</b>	<b>DD</b>	<b>MM</b>	<b>ITU</b>	<b>IDENT</b>	<b>MODE</b>	<b>BD /sps</b>	<b>SH / BW</b>	<b>DETAILS</b>
7112	2016	11	10			FMOP	40	12KOE	OTHR Contayner
7113	2014	05	10			FMOP	40	12KOE	OTHR Contayner. 2 simultaneous TX on 40m: 7113 + 7064 kHz
7114	1844	10	10			FMOP	40	12KOE	OTHR Contayner
7116	2036	27	10			FMOP	40	12KOE	OTHR Contayner. 2 simultaneous TX on 40m: 7116 + 7057 kHz
7117	1846 vt*	02 vd*	10			FMOP	40	12KOE	OTHR Contayner. *Also on 11/10, 1857 UTC
7118	1829	20	10			FMOP	40	12KOE	OTHR Contayner
7121	1902	27	10			FMOP	40	12KOE	OTHR Contayner. 2 simultaneous TX on 40m: 7121 + 7057 kHz
7122	1539 vt	01 vd	10			F1B	50	250H	Often
7125	2101	21	10			FMOP	40	12KOE	OTHR Contayner. 4 simultaneous TX on 40m: 7058 + 7107 + 7125 + 7154 kHz
7125	1951	22	10			FMOP	40	12KOE	OTHR Contayner
7125	1950	28	10			XXX	1	Ca 11KOE	Radar sweeps?
7126	1809	19	10			FMOP	40	12KOE	OTHR Contayner
7127	1950	28	10			FMOP	40	12KOE	OTHR Contayner
7129	1750	06	10			FMOP	40	12KOE	OTHR Contayner
7130	1931	29	10			FMOP	40	12KOE	OTHR Contayner
7131	1820	11	10			FMOP	40	12KOE	OTHR Contayner
7136	1811 vt*	06 vd*	10			FMOP	40	12KOE	OTHR Contayner. *Also on 11/10, 1920
7137	1642 vt	10 vd	10			F1B	50	200H	Often
7138	2009	29	10			FMOP	40	12KOE	OTHR Contayner
7140	0610	07	10			J7D		2K7OE	CIS-12, idling
7147	1530	23	10			FMOP	40	12KOE	OTHR Contayner
7149	1852	20	10			FMOP	40	12KOE	OTHR Contayner. 3 simultaneous TX on 40m: 7149 + 7166 + 7118 kHz
7152	1805	11	10			FMOP	40	12KOE	OTHR Contayner
7152	1720	18	10			FMXX	50	10KOE	Radar bursts. "Foghorn"
7154	2101	21	10			FMOP	40	12KOE	OTHR Contayner. 4 simultaneous TX on 40m: 7058 + 7107 + 7125 + 7154 kHz
7156	1844	06	10			FMOP	40	12KOE	OTHR Contayner
7159	1706 vt	18 vd	10			B7D		6KOE	LINK-11 CLEW DSB. Often
7162	1904	27	10			FMOP	40	12KOE	OTHR Contayner. 2 simultaneous TX on 40m: 7162 + 7057 kHz
7163.5	1602	22	10			XXX		ca 1KOE	Unknown signal. Long lasting
7166	1852	20	10			FMOP	40	12KOE	OTHR Contayner. 3 simultaneous TX on 40m: 7149 + 7166 + 7118 kHz
7166	1939	27	10			FMOP	40	12KOE	OTHR Contayner. 2 simultaneous TX on 40m: 7166 + 7157 kHz.
7172	2119	09	10			FMOP	40	12KOE	OTHR Contayner
7175	2053	21	10			FMXX	66.66	10KOE	Radar bursts. "Foghorn"
7180	2058	21	10			FMXX	50	10KOE	Radar bursts. "Foghorn"
7182	1951	07	10			FMOP	40	12KOE	OTHR Contayner. 2 simultaneous TX on 40m: 7182 + 6997 kHz
7182	1607	23	10			FMOP	40	12KOE	OTHR Contayner. 2 simultaneous TX on 40m: 7180 + 7147 kHz
7184	1842	28	10			FMOP	40	12KOE	OTHR Contayner. 2 simultaneous TX on 40m: 7184 + 6997 kHz

<b>URE; Gaspar, EA6AMM</b>									
kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
7185	1933	11	10			FMOP	40	12K0E	OTHR Contayner. 2 simultaneous TX on 40m: 7185 + 7136 kHz
7186	1720 vt*	03 vd*	10			FMOP	40	12K0E	OTHR Contayner. *Also on 07/10, 1803 UTC
7186	1937	18	10			J7D	120	2K70E	CIS-12
7189	1933 vt*	09 vd*	10			FMOP	40	12K0E	OTHR Contayner. * 09/10: 2 simultaneous TX on 40m: 7189 + 7059 kHz. 12/10, 1644 UTC
7191	1715	15	10			FMOP	40	12K0E	OTHR Contayner
7194	1858	13	10			FMOP	40	12K0E	OTHR Contayner. 2 simultaneous TX on 40m: 7194 + 7005 kHz
7195	1725 vt*	08 vd*	10			FMOP	40	12K0E	OTHR Contayner. *Also on 10/10, 1642 UTC. 17/10, 1728 UTC
7196	1846 vt*	08 vd*	10			FMOP	40	12K0E	OTHR Contayner. *Also on 09/10, 1728 UTC
7198	1004	18	10			XXX	8.3 / 10.52	ca 1K80E	Radar? 8.3 & 10.52 sps
7198.6	1734	07	10			XXX		ca 1K80E	ALE
7200	1801 vt*	11 vd*	10			J7D		2K70E	CIS-12, iding. *Also on 14/10, 1818 UTC (traffic; long - lasting)
7205	1918	27	10			A3E			BC. "CRI", splatter to 7185 kHz
10110	1613	22	10			FMOP	40	12K0E	OTHR Contayner
10125	0537	02	10			FMOP	40	12K0E	OTHR Contayner
10135	1757	12	10			J3E-U			BC being relayed. Speech + music, male voices. Language seems Slavic
10152	13338	05	10			FMOP	40	12k0e	OTHR Contayner
10155	1748	12	10			FMOP	40	12K0E	OTHR Contayner. Readable from 10146 RF.
14000	1359	03	10			A3E			BC, intermodulation. Often.
14008	0855	07	10			F1B	50	250H	
14008	1212	08	10			F1B		500H	
14026	1244	23	10			J7D		2K70E	CIS-12, idling
14029	0721	10	10			J3E-U		3K50E	Unid st repeating numbers (from 1 to 10). Male voice. RUS language. Numbers st?
14030.9	0637	10	10			J7D	120	2K70E	CIS-12
14038	0544	22	10			FMOP	40	12K0E	OTHR Contayner
14042	0652	21	10			FMOP	40	12K0E	OTHR Contayner
14048	0633	06	10			FMOP	40	12K0E	OTHR Contayner. 4 simultaneous TX on 20M: 14108 + 14117 + 14153 + 14194 kHz
14052	0840	28	10			J7D		2K70E	CIS-12, idling
14054	0642	30	10			FMOP	40	12K0E	OTHR Contayner
14058.5	0722	29	10			F1B	600	600H	DPRK-FSK 600 ARQ
14069.5	0639	21	10			XXX	600	1200	DPRK 1200
14090	0612	22	10			FMOP	40	12K0E	OTHR Contayner
14097	0636	09	10			FMXX	50	10K0E	Radar bursts. "Foghorn"
14098	1159	01	10			FMOP	40	12K0E	OTHR Contayner
14106	0952 vt*	03 vd*	10			FMXX	66.66	10K0E	Radar bursts. "Foghorn". *Also on 16/10, 0948 UTC
14111	1455	01	10			FMOP	40	12K0E	OTHR Contayner
14115	0839	03	10			FMXX	66.66	10K0E	Radar bursts. "Foghorn"
14117	0633	06	10			FMOP	40	12K0E	OTHR Contayner. OTHR Contayner. 4 simultaneous TX on 20M: 14117 + 14108 + 14153 + 14194 kHz
14119	1414	01	10			FMOP	40	12K0E	OTHR Contayner

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<b>kHz</b>	<b>UTC</b>	<b>DD</b>	<b>MM</b>	<b>ITU</b>	<b>IDENT</b>	<b>MODE</b>	<b>BD /sps</b>	<b>SH / BW</b>	<b>DETAILS</b>
14120	0719 vt*	05 vd*	10			FMOP	10	40KOE	OTHR. Long - lasting. Also on 30/10, 0735 UTC. Long-lasting
14122	0930	13	10			J3E-U			BC being relayed. RUS language
14125	0752	06	10			FMXX	66.66	10KOE	Radar bursts. "Foghorn"
14128.5	1354 vt*	03 vd*	10			F1B	600	600H	DPRK-FSK 600 ARQ. *Also on 04/10, 1515 UTC. 07/10, 0822 UTC
14135	0950	16	10			FMXX	66.66	10KOE	Radart bursts. "Foghorn"
14146	0909	19	10			FMXX	50	10KOE	Radar bursts. "Foghorn"
14148	0953	16	10			FMXX	66.66	10KOE	Radar bursts. "Foghorn"
14148.5	0616	08	10			F1B	600	600H	DPRK-FSK 600 ARQ
14150	1534	29	10			FMOP	40	12KOE	OTHR Contayner. 2 simultaneous TX on 20m: 14150 + 14182 kHz
14153	0636	06	10			FMOP	40	12KOE	OTHR Contayner. 4 simultaneous TX on 20M: 14153 + 14048 + 14117 + 14194 kHz
14158.5	1009	01	10			F1B	600	600H	DPRK-FSK 600 ARQ
14159	1822	26	10			FMOP	40	12KOE	OTHR Contayner. 2 simultaneous TX on 20m: 14159 + 14184 kHz
14162	0831	03	10			FMOP	40	12KOE	OTHR Contayner
14162	0805	28	10			J7D		2K7OE	CIS-12, idling
14170	0646	23	10			FMXX	66.66	10KOE	Radar bursts. "Foghorn"
14171	0708	22	10			J7D	120	2K7OE	CIS-12
14173	0801	08	10			FMXX	66.66	10KOE	Radar bursts. "Foghorn"
14182	1520	29	10			FMOP	40	12KOE	OTHR Contayner
14184	0814	06	10			FMXX	66.66	10KOE	Radar bursts. "Foghorn"
14184	1421	26	10			FMOP	40	12KOE	OTHR Contayner. 2 simultaneous TX on 20m: 14184 + 14159 kHz
14187	1521	05	10			FMOP	40	12KOE	OTHR Contayner
14187	0627	10	10			FMXX	66.66	10KOE	Radar bursts. "Foghorn"
14188	1517	03	10			FMOP	40	12KOE	OTHR Contayner
14189	1605 vt*	05 vd*	10			FMOP	40	12KOE	OTHR Contayner. *Also on 18/10, 1654 UTC
14190	0839	29	10			FMOP	40	12KOE	OTHR Contayner
14191	1616	02	10			FMOP	40	12KOE	OTHR Contayner
14191	0817	06	10			FMXX	50	10KOE	Radar bursts. "Foghorn"
14192	0630	10	10			FMXX	50	10KOE	Radar bursts. "Foghorn"
14194	0636	06	10			FMOP	40	12KOE	OTHR Contayner. 4 simultaneous TX on 20M: 14194 + 14108 + 14117 + 14153 kHz
14203.5	0656	10	10			F1B	600	600H	DPRK-FSK 600 ARQ
14205	0849	17	10			XXX		10KOE	Unknown digital signal
14207	0730	17	10			J7D	120	2K7OE	CIS-12
14208	0654	23	10			FMXX	66.66	10KOE	Radar bursts. "Foghorn"
14213	0644	13	10			FMXX	66.66	10KOE	Radar bursts. "Foghorn"
14221	0540	14	10			F1B	50	200H	
14228	0846	07	10			FMXX	66.66	10KOE	Radar busts. "Foghorn"
14235	0639	13	10			FMXX	66.66	10KOE	Radar bursts. "Foghorn"
14242	0834 vt*	03 vd*	10			J7D		2K7OE	CIS-12. Idling. *Also on 28/10, 0808 UTC
14245	0757	11	10			FMOP	50	10KOE	OTHR. Long - lasting
14245	0626	22	10			FMXX	10	160KOE	OTHR
14247	0650	30	10			FMOP	50	10KOE	OTHR. Long - lasting
14248	1020 vt*	01 vd*	10			FMXX	50	10KOE	Radar bursts. "Foghorn". *Also on 16/10, 0957 UTC (50 sps)
14248	0941	02	10			FMXX	50	10KOE	Radar, unid.



<b>URE; Gaspar, EA6AMM</b>									
kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
14252	0758	06	10			FMXX	66.66	10KOE	Radar bursts. "Foghorn"
14254	06	09	10			FMXX	66.66	10KOE	Radar bursts. "Foghorn"
14256	0840	07	10			FMXX	66.66	10KOE	Radar bursts. "Foghorn"
14257	0613	18	10			FMXX	50	10KOE	Radar bursts. "Foghorn"
14258	0622	08	10			FMOP	50	10KOE	OTHR. Long - lasting.
14263	0710	06	10			FMOP	40	12KOE	OTHR Contayner. 2 simultaneous TX on 20m: 14263 + 14194 kHz
14267	0742	23	10			FMXX	50	10KOE	OTHR
14270	0719	23	10			FMXX	50	10KOE	OTHR
14272	0801	30	10			FMXX	66.66	10KOE	Radar bursts. "Foghorn"
14275	0854	01	10			FMXX	50	10KOE	Radar bursts. "Foghorn"
14280	0826	07	10			F1B	75	250H	<u>(ITU 5.152?)</u>
14282	0826	07	10			J7D	120	2K70E	CIS-12 <u>(ITU 5.152?)</u>
14285	1016	29	10			J7D	40	12KOE	OTHR Contayner
14285	0746	30	10			FMXX	40	100KOE	OTHR. Long - lasting
14292	0644	10	10			FMXX	50	10KOE	Radar bursts. "Foghorn"
14292	0715	21	10			FMXX	50	10KOE	OTHR. Long- lasting
14295	0808	06	10			FMXX	40	10KOE	Radar bursts. "Foghorn"
14297	0957	03	10			FMXX	66.66	10KOE	Radar bursts. "Foghorn"
14300	0736 vt*	20 vd*	10			FMXX	50	10KOE	Radar bursts. "Foghorn". *Also on 21/10, 0636 UTC
14301.9	0715 vt*	06 vd*	10			XXX		1K8E	OFDM. CIS-60 HDR modem. *Also on 08/10, 0734 UTC
14303	0730	21	10			XXX	50	10KOE	OTHR. Long
14306	0809	04	10			FMOP	10	40KOE	OTHR. Long lasting
14307	1009 vt*	01 vd*	10			FMXX	66.66	10KOE	Radar bursts. "Foghorn". *Also on 06/10, 0826 UTC
14308	0904	19	10			FMXX	50	10KOE	Radar bursts. "Foghorn"
14310	0602	06	10			FMOP	50	10KOE	OTHR. Long - lasting
14314	0651	23	10			FMXX	66.66	10KOE	Radar bursts. "Foghorn"
14317	1006	31	10			FMOP	40	12KOE	OTHR Contayner
14325	0934	18	10			FMXX	50	10KOE	OTHR. Long - lasting
14327	0948 vt*	02 vd*	10			FMXX	50	10KOE	Radar bursts. "Foghorn". *Also on 03/10, 0741 UTC.
14328	0647	29	10			FMXX	666.66	10KOE	Radar bursts. "Foghorn"
14330.13	0628	14	10			XXX	600	1200	DPRK-FSK 1200
14333	0740	20	10			FMXX	66.66	10KOE	Radar bursts. "Foghorn"
14335	0809	05	10			FMOP	40	12KOE	OTHR Contayner
14338	0604	09	10			FMXX	66.66	10KOE	Radar bursts. "Foghorn"
14339	1443	29	10			FMXX	10	10KOE	OTHR. Long lasting
14340	0849	02	10			FMXX	66.66	10KOE	Radar bursts. "Foghorn"
14344	0808	08	10			FMXX	66.66	10KOE	Radar bursts. "Foghorn"
14346	0820 vt*	06 vd*	10			FMXX	66.66	10KOE	Radar bursts. "Foghorn". Also on 28/10, 0759 UTC
14353	0800	28	10			FMXX	66.66	10KOE	Radar bursts. "Foghorn"
18070	0649 vt*	20 vd*	10			FMOP	50	20KOE	OTHR PLUTO. *Also on 23/10, 0631 UTC; 23/10, 1428 UTC
18080	0723 vt	05 vd	10			A3E			BC "Sound of Hope". Often
18118.5	0626 vt*	02 vd*	10			F1B	600	600H	DPRK-FSK 600 ARQ. Shared band. Just for info. *Also on 07/10, 0615 UTC; 09/10, 0618 UTC
18139	0651	20	10			FMXX	66.66	10KOE	Radar bursts. "Foghorn"

<b>URE; Gaspar, EA6AMM</b>									
kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
18136	0638 vt*	23 vd*	10			FMXX	40	10K0E	Radar bursts. "Foghorn". *Also on 29/10, 0653 UTC
18150	0729 vt	05 vd	10			F1B	100	1K0E	Shared band. Often
18162	1112	26	10			FMOP	40	12K0E	OTHR Contayner
18170	0630 vt*	13 vd*	10			FMOP	50	20K0E	OTHR PLUTO. Also on 17/10, 0735 UTC
18172	0723	04	10			FMOP	40	12K0E	OTHR Contayner
21015	1116	26	10			J3E-U			Unid people talking. Male voices. Unid language
21107.5	0837	18	10			XXX	600	1K20E	DPRK-FSK 1200
21008.5	0904	08	10			F1B	600	60H	DPRK-FSK 600 ARQ
21130	0857	29	10			FMOP	50	20K0E	OTHR PLUTO
21140	0545	14	10			FMOP	50	20K0E	OTHR PUTO
21145	0723	08	10			FMOP	50	20K0E	OTHR PLUTO
21150	0913	20	10			XXX	50	ca 3K70E	Jammer? Long - lasting
21210	0620	07	10			FMOP	50	20K0E	OTHR PLUTO
21218	0713	29	10			FMXX	40	10K0E	Radar bursts. "Foghorn"
21324	0719	29	10			FMXX	40	10K0E	Radar bursts. "Foghorn"
21290	0705	30	10			FMOP	50	20K0E	OTHR PLUTO
21381	0829	28	10			FMXX	40	10K0E	Radar bursts. "Foghorn"
21438	0914 vt	05 vd	10		RCV	A1A			RCV QTCs. Often
21440	0601	22	10			FMOP	50	20K0E	OTHR PLUTO

<b>USKA; Peter, HB9CET</b>									
kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
6997.0	2233	01	10			FMOP	40 sps	12k0E	OTHR; Contayner; partially in 40m band
7000.0	0918	02	10			J3E-U			umident language
7000.0 USB	1013	07	10			G7D	75 Bd	ca. 2k70E	Link11 CLEW SSB mode
7003.0	1639 1706	09 13	10			FMOP	40 sps	12k0E	OTHR; Contayner, strong, up to -60dBm often
7020.0	1604	06	10			FMOP	66.66 sps	10k0E	OTHR; Burstsystm, BD 3.8s: Foghorn
7031.0	2211	02	10			FMOP	40 sps	12k0E	OTHR; Contayner
7054.0	1611	06	10			F1B	50 Bd	200H	
7060.0	2329	29	10			FMOP	40 sps	12k0E	OTHR; Contayner
7061.0	1141	10	10			J7D	12x120Bd	2k70E	CIS12; BPSK or QPSK
7080.0	1709	13	10			F1B	50	200H	often
7087.875	0747	20	10			A1N			fast dots: Jammer: stupid and illegal
7088.0	0741	20	10			F1B	75	250H	almost daily
7090.0	2056	07	10			FMOP	40 sps	12k0E	OTHR; Contayner
7105.0	2112	07	10			FMOP	40 sps	12k0E	OTHR; Contayner
7109.0	2045	11	10			FMOP	40 sps	12k0E	OTHR; Contayner
7117.0	2227	07	10			FMOP	40 sps	12k0E	OTHR; Contayner
7119.0	1700	13	10			J7D	12x120 Bd	2k70E	CIS12; BPSK or QPSK
7122.0	2229	01	10			F1B	50	250H	somtimes F1A FSK-CW; often
7122.0	0921	02	10			F1B	50	200H	almost daily
7124.0	2100	07	10			FMOP	40 sps	12k0E	OTHR; Contayner
7127.0	2339	28	10			FMOP	40 sps	12k0E	OTHR; Contayner
7137.0	2341	28	10			F1B	50 Bd	200H	often
7140.0	0937	07	10			J7D	12x120 Bd	2k70E	CIS12; BPSK or QPSK often

**USKA; Peter, HB9CET**

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD / sps	SH / BW	DETAILS
7162.0	1301	28				F1B		250	
7172.0	2106	07	10			FMOP	40 sps	12k0E	OTHR; Contayner
7198.0 USB	0649	14	10			J7D	12x120Bd	2k70E	CIS12; BPSK or QPSK
7200.0	1256	26	10			A3E			BC, Asian music (probably Myanma Radio?)
14000.0	1431	10	10			A3E			BC; English conversation, reported as intermodulation from 13855 + 13710
14008.0	1228	08	10			F1B		500H	almost daily
14026.0	1244	26	10			J7D	12x120 Bd	2k70E	CIS12; idling only often
14055.0	1117	14	10			FMXX	50 sps	10k0E	OTHR
14188.0	1523	03	10			FMOP	40 sps	12k0E	OTHR; Contayner
14221.0	2336	28	10			F1B	50 Bd	200H	almost daily
14246.0	0951	07	10			FMXX		10k0E	OTHR
14248.0	0910	02	10			FMOP	50 sps	10k0E	OTHR
14275.750	1018	13	10			F1B		250H	
14302.0	1051	13	10			OFDM 60	35.55	2k80E	tone spacing 44.45Hz. Pilot tone at 3300Hz often
18080.0	0747	01	10	TWN	Sound of Hope	A3E			BC; Chinese language often
18107.0	1202	08	10	RUS	RDL	F1B	36/50	200H	CIS 36-50 (probably legal ITU RR 5.154)
18150.0	1027	20	10			F1B		500H	weak and qsb
18162.0	1241	26	10			FMOP	40 sps	12k0E	OTHR; Contayner
21008.5	0913	05	10			F1B/ARQ	600Bd	600H	FSK ARQ system
21438.0	0858	05	10		RCV	A1A		10H	TDoA: Area of Sevastopol daily

**VERON; Ruud, PG1R**

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
3716.0	1944	22	10	CIS	LDBO	A1A			LDBO QTC 966 23 22 2240 966 = 444 = 5BL
7012.0	0827	16	10	RUS	12MPSK	PSK2			AT3004D; TDOA: Baltic Area
7016.0	1407	19	10		UiPtr	F1B		200H	Ptr
7029.0	0935	03	10		UiPtr	F1B			Ptr
7054.0	0950	25	10	RUS	UiPtr	F1B/NON		200H	Idling
7055.0	vt	vd	10	RUS/ UKR	UiBc	J3E-L		2k8E	Political slogans; radiowar; sometimes jammed; daily
7066.0	1802	31	10	RUS/ UKR		J3E-L		2k8E	Political discussion; 2 TX, one with splatter; changed frequency because of Russian MM Contest?
7080.0	vt	vd	10	RUS	RDL	F1A/B		200H	Ptr; RDL 74276 79800 K; often
7122.0	1356	05	10	RUS	RDL	F1A/B			Ptr; RDL 81943 18611 K; almost daily
7130.0	1829	19	10		OTHR	FMOP			Radar
14008.0	vt	vd	10	RUS	UiPtr	F1B		250H	Ptr; almost daily
14086.6	0940	17	10			F1B		500H	Bursts
14266.0	0957	15	10		UiPtr	F1B			Ptr
14273.0	0943	14	10		UiPtr	F1B			Revs
18107.0	vt	vd	10	RUS	RDL	F1A/B			RDL 05958 06075 K; almost daily; for info, shared band!
21083.0	1029	18	10			F1B		500H	Bursts
21438.0	vt	vd	10	RUS	RCV	A1A			RGX94 de RCV QTC 831 55 1 1102 831 = Nawip 037 1220 Karta 32354; often

# We are not a Band Police!

Dear Readers

We sometimes receive reports that concern amateurs. For example because they don't keep band plans, interfere with other QSO's, behave improperly or generally violate Ham Spirit (whoever wants to judge that). Unfortunately, it is a fact that we come across this from time to time. However, in accordance with our "Terms of reference (ToR) the following must be observed:

In the ToR, Resolution 12-1" of IARU (as it has been since the beginning), it is clearly stated that the monitoring system does strictly not deal in any way with licensed amateurs, i.e. we are not a Band Police! We are only watching Intruders.

*"§12 The IARUMS shall not become involved in the monitoring and reporting of harmful interference in amateur bands caused by stations identified as or believed to be amateur stations."*

Therefore, amateurs should neither be reported, nor published e.g. in the IARUMS newsletter (such reports will be deleted by the editors). Also notes e.g. about beacons (provided they are operated by licensed amateurs.) etc. should be omitted, because these are not intruders. This should also be avoided in social media if they are monitoring channels, e.g. facebook intruder pages.

Thank you for your understanding

Link to ToR: <https://www.iaru-r1.org/spectrum/monitoring-system/iarums-r1-terms-of-reference/>

**Visit and follow us at**

**<https://www.iaru-r1.org/spectrum/monitoring-system/>**

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**Many thanks to everyone who helps us in any manner, be it with hardware or professional software.**