



IARU Monitoring System Region 1

Monthly Newsletter 8 - August 2021

edited by Gaspar Miró, EA6AMM and Peter Jost, HB9CET

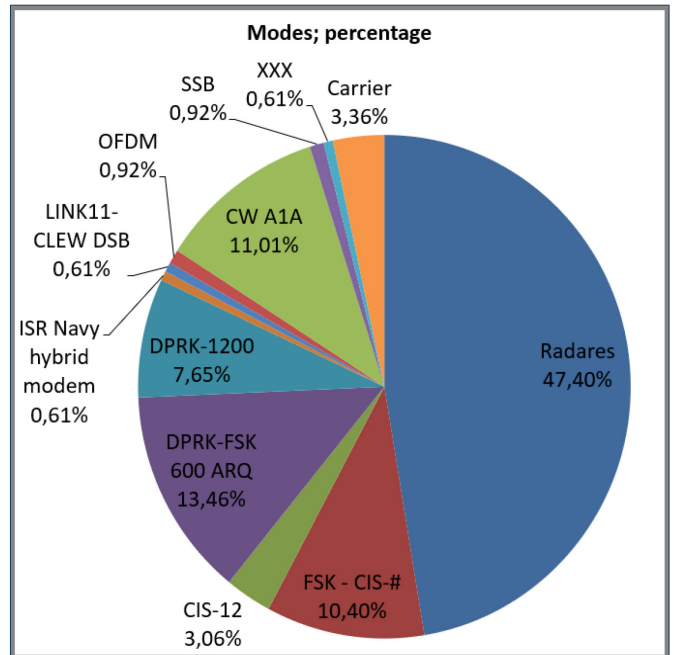
News and Info's

August 2021 showed a very similar situation as the previous months.

Especially well known intruders were regularly present. Radio stations disturbed us daily, so VOBM (Voice of Broad Masses) on 7140 and 7180 kHz. RFI (Radio France International) on 7205 kHz was active daily between 2100 and 2200 UTC and spluttered massively down to 7186 kHz, an untenable condition!

From time to time, China Radio International was heard on 14000 kHz (an intermodulation of 13855 kHz and 13710 kHz). On 18080.0 kHz early in the morning the station "Sound of Hope" can often be heard, but mostly very weak and often with fading.

Also several OTH radar systems were active almost daily. For example the Russian "Contayner", the British "Pluto" from Cyprus or the radar from China called "Foghorn".



Percentage of the most frequent intruders (©EA8AMM)

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 | **CF** = Center frequency
DF = Direction finding (radio location; see also TDoA) | **FMCW** = frequency modulated continuous wave
FMOP = frequency modulated on pulse | **OTHR** = over the horizon radar | **Radar** = if exact mode unknown
SH = Shift (Hz) | **sps** = sweeps per second | **TDoA** = Time difference of arrival | **ui** = **unid** = unidentified.

CF: Frequencies of digital signals are usually Center Frequencies (CF) unless otherwise specified !

DARC; credits to monitors: DK2OM Wolf. DF5JL Tom. DL3RTL Daniel. DK4YA Sebastian. DE2TRF Torsten. DL8LAQ Norbert. DL2SCH Jürgen. DL7SI Ralf. DO6KS Sven. DB3TA Alex

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
7016.0	1952	16	08	RUS		F1B			
7039.0	vt	01	08	RUS	C	A1A			cluster beacon "C" - Moscow – "RIW"
7052.0	1558	05	08	RUS		F1B			RUS ship
7055.0	2028	08	08	UKR		J3E-L		2k9	RUS/UKR radio war
7055.0	vt	vd	08	FEa		FMOP	40	26k	Far East - 25 sec blocks
7058.0	1933	03	08			PSK		2k6	CIS-12
7060.0	1935	02	08	UKR		J3E-L		2k9	propaganda
7072.0	1857	04	08	CHN		FMOP	10	160k	Chinese wideband OTHR

DARC; credits to monitors: DK2OM Wolf. DF5JL Tom. DL3RTL Daniel. DK4YA Sebastian. DE2TRF Torsten. DL8LAQ Norbert. DL2SCH Jürgen. DL7SI Ralf. DO6KS Sven. DB3TA Alex

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
7074.0	2030 2059	15 21	08	CHN		FMOP	10	160k	Chinese wideband OTHR
7080.0	vt	vd	08	RUS		F1B			Oftan
7084.0	1907	17	08	CHN		FMOP	10	160k	Chinese wideband OTHR
7086.0	1904	24	08	CHN		FMOP	10	160k	Chinese wideband OTHR
7087.0	1817	21	08	CHN		FMOP	10	160k	Chinese wideband OTHR
7100.0	1618	01	08	G		PSK	2400	2400	Stanag-4285 – Crimond - Scotland
7101.8	1849	02	08			PSK		2k8	STANAG 4285. maritim MIL
7120.0	2031	30	08			FMOP	40	12k	OTHR Contayner
7122.0	2008	30	08	RUS		FMOP	40	12k	OTH radar Contayner - W of Saransk
7136.0	1955	15	08	CHN		FMOP	10	160k	Chinese wideband OTHR
7140.0	1705	01	08	ERI	VOBM	A3E/BC		9k	7140.021 kHz – voice of the broad masses - Eritrea
7142.0	1626	15	08	CHN		FMOP	10	160k	Chinese wideband OTHR
7152.0	1650	22	08	CHN		FMOP	10	160k	Chinese wideband OTHR
7159.0	0600	01	08	DNK		PSK		6k	LINK11 CLEW
7159.0	1926	02	08			PSK		6k	LINK11 DSB
7169.0	2155	02	08	CHN		FMOP	66.67	10k	OTHR 3.8s bursts
7180.0	1409	dly	08	ERI	VOBM	A3E		9k	7180.021 kHz - Radio Eritrea
7187.5	1632	18	08	RUS		PSK	120	2600	CIS-12 – submode idle
10164.0	1611	12	08	CHN		FMOP	10	160k	Chinese wideband OTHR
10193.0	1924	07	08	CHN		FMOP	10	160k	Chinese wideband OTHR
13998.0	1135 1547	14	08	RUS		FMOP	40	12k	OTHR Contayner
14000.0	1400	01	08	CHN		A3E		9k	China Radio International – inter-modulation from 13855 and 13710 kHz – 13855 x 2 – 13710 = 14000 kHz
14002.0	0900	11	08			F1B	50	850	
14008.0	1045	25	08	RUS		A1B			unid
14090.0	0919	13	08	CHN		FMOP	10	160k	Chinese wideband OTHR
14101.0	1822	20	08	CHN		CHN	10	160k	Chinese wideband OTHR
14108.0	0900	11	08	RUS		A1A			RUS MIL – often
14141.0	1503	31	08	RUS		FMOP	40	12k	OTH radar Contayner - W of Saransk
14195.0	2028	08	08	RUS		FMOP	40	12k	OTHR Contayner
14210.0	0930	28	08			FMOP		5k	Superdarn ionospheric research radar – 12 sec bursts - daily
14251.0	0927	11	08	CHN		FMOP		160k	Chinese wideband OTHR
14278.0	1644	01	08	RUS		FMOP		12k	OTHR
14344.0	0951	10	08	CHN		FMOP		160k	Chinese wideband OTHR
21010.0	1304	26	08	CYP		FMOP	50	20k	UK OTH radar Cyprus
21011.0	1247	06	08					20k	UK OTH radar Cyprus
21161.0	1353	07	08	CYP		FMOP	50	20k	UK OTH radar Cyprus
21181.0	1009	02	08	CYP		FMOP	50	20k	UK OTH radar Cyprus long lasting
21250.0	1420	01	08	CYP		FMCW	50	20k	OTHR Pluto Cyprus
21438.0	vt	01	08	RUS	RCV	A1A			RCV - RUS Navy Sevastopol
28015.9	1117	13	08		NA	A1A			fishery buoy
28019.7	1152	15	08		EB	A1A			fishery buoy

DARC; credits to monitors: DK2OM Wolf. DF5JL Tom. DL3RTL Daniel. DK4YA Sebastian. DE2TRF Torsten. DL8LAQ Norbert. DL2SCH Jürgen. DL7SI Ralf. DO6KS Sven. DB3TA Alex

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
28020.3	0828	07	08		MTI	A1A			fishery buoy
28020.3	1644	13	08		CF???	A1A			fishery buoy
28020.4	2330	13	08		MT	A1A			fishery buoy
28020.7	1846	10	08		CF	A1A			fishery buoy
28020.8	0800	09	08		CF	A1A			fishery buoy
28020.8	0802	11	08		EB	A1A			fishery buoy
28021.2	1203	02	08			A1A			fishery buoy
28036.3	1510	02	08		CY	A1A			fishery buoy
28036.5	1500	02	08			A1A			fishery buoy
28038.9	1520	02	08			A1A			fishery buoy
28039.7	0936	08	08		IA(?)	A1A			fishery buoy
28039.7	0854	11	08		CF	A1A			fishery buoy
28046.2	2316	13	08		VV	A1A			fishery buoy
28046.3	1156	14	08		VV	A1A			fishery buoy
28046.5	0942	13	08		VV	A1A			fishery buoy
28046.6	0916	12	08		VV	A1A			fishery buoy
28051.3	1138	24	08		AH	A1A			fishery buoy
28055.0	1604	17	08	I		A3E			Italian pirates
28066.0	0951	13	08		TA	A1A			fishery buoy
28069.7	1709	07	08		EZ	A1A			fishery buoy
28070.7	1709	07	08		AQ	A1A			fishery buoy
28070.8	1006	07	08		AQ	A1A			fishery buoy
28071.2	1851	02	08			A1A			fishery buoy
28079.8	1021	12	08		EZ	A1A			fishery buoy
28099.6	1520	02	08			A1A			fishery buoy
28099.7	0807	11	08		CF	A1A			fishery buoy
28100.0	1500	02	08	E		USB			Spanish pirates
28106.5	1904	05	08		AE (ME?)				fishery buoy
28110.0	1336	16	08		FA	A1A			fishery buoy
28110.3	0921	11	08		FA	A1A			fishery buoy
28110.4	1700	10	08		FA	A1A			fishery buoy
28114.6	1653	07	08		EI	A1A			fishery buoy
28134.6	1854	10	08		P	A1A			fishery buoy
28139.7	1822	05	08		AC	A1A			fishery buoy
28141.3	0907	11	08			A1A			fishery buoy
28141.4	0825	22	08		DO	A1A			fishery buoy
28149.6	1648	07	08		AC	A1A			fishery buoy
28150.7	1930	10	08		SM	A1A			fishery buoy
28153.9	1807	07	08		FO	A1A			fishery buoy
28155.6	0838	15	08		SAF	A1A			fishery buoy
28163.7	1842	10	08		PU	A1A			fishery buoy
28163.8	1702	07	08		PU	A1A			fishery buoy
28169.8	1120	24	08		FA	A1A			fishery buoy
28169.9	2321	13	08		FA	A1A			fishery buoy
28179.6	1837	05	08		FA	A1A			fishery buoy

DARC; credits to monitors: DK2OM Wolf. DF5JL Tom. DL3RTL Daniel. DK4YA Sebastian. DE2TRF Torsten. DL8LAQ Norbert. DL2SCH Jürgen. DL7SI Ralf. DO6KS Sven. DB3TA Alex

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
28179.7	1836	05	08		CF	A1A			fishery buoy
28179.8	1958	10	08		FA	A1A			fishery buoy
28181.3	1843	05	08		CT	A1A			fishery buoy
28181.4	1542	02	08			A1A			fishery buoy
28184.7	1139	08	08			A1A			fishery buoy
28189.8	1131	07	08		FA	A1A			fishery buoy
28189.9	1349	16	08		FA	A1A			fishery buoy
28199.8	1016	07	08		FA	A1A			fishery buoy
28199.9	1359	16	08		FA	A1A			fishery buoy
28255.2	0951	15	08		SAF	A1A			fishery buoy
28274.0	0924	07	08			F1B			unid
28275.0	1716	13	08	RUS	TAXI	F3E			Russian Taxi
28275.0	2000	17	08	CIS		F3E			CIS taxi – woman operating base station – daily. all day
28291.8	1634	10	08		LC	A1A			fishery buoy
28299.8	1045	13	08		FA	A1A			fishery buoy
28299.9	1905	10	08		FA	A1A			fishery buoy
28304.7	0910	07	08		CA	A1A			fishery buoy
28335.0	1043	01	08	E		F3E			Spanish pirates
28349.6	0833	07	08		FR	A1A			fishery buoy
28359.5	1526	08	08		FK	A1A			fishery buoy
28359.7	1727	07	08			A1A			fishery buoy
28360.6	1027	13	08		EZ	A1A			fishery buoy
28360.7	1037	11	08		EZ	A1A			fishery buoy
28369.4	1722	07	08		FK	A1A			fishery buoy
28371.5	0840	07	08			F1B			unid
28399.7	1319	16	08		EZ	A1A			fishery buoy
28409.6	1033	13	08		EZ	A1A			fishery buoy
28419.7	1052	13	08		EZ	A1A			fishery buoy
28421.4	1049	02	08			A1A			fishery buoy
28424.5	0927	11	08		RE???	A1A			fishery buoy
28441.1	1541	08	08		CL	A1A			fishery buoy
28860.0	0850	15	08	IRN		AMOP	150/313	46k	Iranian radar - 150 sps and 313 sps alternating – North Iran - daily

IRTS; Michael, EI3GYB

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
3762	1550	31	08	F		LSB			DQRM against a French group, with French singing, echo sounds and all sorts of craic. Just like noticed in the past. Stops around 1630z.
7055	1700	03	08	RUS/UKR		LSB			Russian-Ukrainian radio war. Agitprop. Loud. Daily all day long with a big signal.
7060	1715	10	08	RUS/UKR		LSB			Russian-Ukrainian radio war. Shouting of slogans: Ruski swini.Putina khyilo.Russki pederadski. Huge signals, persistent. Male and female voices, total chaos.
7089	0800	02	08			PSK			RUS navy. Strong and persistent.Still on 3rd at 1800z. Gone on the 4th at 2000z.

IRTS; Michael, EI3GYB									
kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
7100	0620	02	08	UK		Stanag 4285			UK military Crimond. Huge and persistent signal. Still on 3rd at 0800z. Gone at 1500z.
7103	0835	01	08			PSK			Huge signal. Persistent. Still on at 1700z on 2nd. Gone at 2000z on 4th.
7107	0600	01	08	CUB					DQRM from Cuba. Daily at night until fade out around 0900z. Heard also 7118,7120-7138,7140-7147,7150-7175,7178,7179-7239. Peak seems to be on 7158 kHz with a huge signal.Nasty and very irritating interference, making contacts on the 40 metre band difficult now.
7140	1715	17	08	ERI		AM			Radio Eritrea. Medium signal. Heard several times during the month in the late afternoon.
7140	2045	24	08			RADAR			Radar from 7140 to 7152 kHz. Huge signals.
7160.5	0830	01	08			Link-11 CLEW			Strong and persistent. Heard also on the 2nd and 3rd. Gone on the 4th at 2000z.
7180	1800	30	08	ERI		AM			Radio Eritrea. Weak signal.
7205	2145	17	08	F		AM			Radio France International, splattering down to 7195 kHz.
14000	1405	24	08	CHN		AM			Radio China International. Mixing product. Heard nearly daily with various signal strengths.
14170	1410	24	08			RADAR			Radar from 14170 to 14183 kHz. Persistent and strong.
14172	2100	24	08			RADAR			Radar from 14172 to 14185 kHz. Persistent and strong.
14190	0830	04	08			RADAR			Radar from 14190 to 14290 kHz. On and off, weak in the background, travelling up and down the band.
14220	2000	20	08			F1B			Medium signal.
14230	1155	31	08			RADAR			Radar from 14230 to 14242 kHz. Strong and persistent.
14260	1315	26	08			RADAR			Radar from 14260 to 14380 kHz. Medium signal in the background.
14270	1610	04	08			RADAR			Radar from 14270 to 14290 kHz. Very strong and persistent. Frequencies are completely unusable.
14289	1630	10	08			RADAR			Radar from 14289 to 14310 kHz. Medium signal. Persistent.
21355	1100	28	08			RADAR			Radar from 21355 to 21382 kHz. Huge and persistent. Still on 2 hours later.
28830	1330	01	08	IRN		RADAR			Radar in AM mode from Iran. 28830 to 28890 kHz.Strong short bursts.

OeVSV; Christoph, OE1VMC									
kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
7056	1438	23	08	UKR		J3E-L		3K0	Radio War, broadcast with insulting statements, likely from Ukraine
7058	2030	07	08			J3E-L		3K0	QRG moved to 7055kHz at 20:45 UTC
13998	1511	14	08	G	Pluto II	RADAR	40	12K0E	OTH Radar on Cyprus
14180	1850	24	08	RUS	Kontayner	RADAR		12K0E	Rx level up to 59+50dB
14279	1930	04	08	RUS	Kontayner	RADAR	40	12K0E	Bearing 30-60 degrees

PZK; Marek, SP3AMO, Miro SP5GNI

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
3742.1	1812	29	08			PSK			RSQ 595
5352.3	0900	10	08			UI		2K6	S8 Stanag ?
5363.0	0958	04	08			PSK			RSQ 585
5363.6	vt	vd	08			G1D		2K6	S9 Stanag
7052.5	0824	18	08			FSK		200	shortly, before 2k up
7087.7	vt	vd	08		UI	F1B	50	200	RSQ 585
7101.8	1128	2	08			UI		2K6	S7 Stanag ?
7102.0	0451	01	08			PSK			RSQ 585
7110.5	0810	19	08			F1B	50	200	RSQ 535
7111	0925	19	08			FSK		240	S6
7120	2035	30	08			RADAR		20K0E	S9+20dB
7159	1150	02	08			UI		6K0	
7160.0	0453	01	08		UI	UI			RSQ 595
7161.8	0953	04	08			F1B	50	200	RSQ 535
10133	1230	04	08			PSK		2K9	CIS-12 S9
14008	0800	18	08			FSK		250	S8
14008	0755	25	08			FSK		250	S9 +20 - like overdrived
14079	0920	19	08			RADAR		8K0E	in bursts
14111.5	1035	11	08			FSK		180	
14162	1420	31	08			RADAR		14K0E	S7 continous
14164	0855	26	08			RADAR		10K0E	S7 in bursts
14166	1410	31	08			RADAR		8K0E	in bursts
14170	0840	21	08			RADAR		8K0E	in bursts
14180.0	0630	30	08			RADAR		20K0E	sps 40 Hz - 06.35 UTC QRT
14183	1050	18	08			RADAR		14K0E	S6
14237	1145	31	08			RADAR		14K0E	S6
14240	1105	16	08			FSK		250	S8
18175	0833	13	08			RADAR		20K0E	S7 partially in the band
21234	1130	21	08			RADAR		8K0E	in bursts
28070.0	0700	29	08			A3E			RS 57 - probably Arabic
28100.0	0705	29	08			A3E			RS 59 - GB
28290	0818	25	08			RADAR		60K0E	S5
28860	0805	25	08			RADAR		60K0E	S8

REF; Francis, F5MIU

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
14100	0700	4	08			CW			Carrier on NCDXF beacon frequency S8
21220	1704	5	08			?		8 kHz	Gaussian noise S4 to S7
14100	1710	5	08			CW			Carrier on NCDXF beacon frequency S7
14195	1611	7	08			FMCW	40	20kHz	OTH Radar pulsed 25ms, S8
14140	0743	12	08			FMCW	40	20kHz	OTH Radar pulsed 25ms, S9+5
14000	0725	14	08			FMCW	40	20kHz	OTH Radar pulsed 25ms, S9+10
14100	0700	18	08			CW		2Hz	Constant carrier S2, on beacon frequency with tiny, slow whisper modulation
14100	1710	18	08			CW		-	Constant pure carrier S8, on beacon frequency for hours!

REF; Francis, F5MIU

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
14090	0740	26	08			CW	0.1	35kHz	Carrier oscillating from 14075 to 14105kHz every 10 sec S7 (saw tooth)

RSGB; Richard, G4DYA

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
3510.0	vt	dly	08			J3E		2K70E	USB 'The Air Horn'
3756.0	vt	dly	08			J3E		1K70E	USB 'The Pip'
5363.6	vt	02-31	08	DNK		G1D		2K40E	For info: Stanag 4285, Primary user
7008.0	0711	29	08			F1B		200	FSK
7016.0	1951	16	08			F1B		250	FSK
7020.0	0712	29	08			F1B		250	FSK
7052.0	1704 1834 1816	04 05 06	08			F1B		250 225 225	FSK
7057.8	0951	03	08					3K10E	Unidentified. Possibly USB 7056.0 TX modulated by mains hum.
7066.0	0929 0931 0812	01 02 04	08			F1A/ F1B/ NON		200	FSK. Mostly idling on 7065.9
7074.990	vt	02-21	08			A1N			Continuous dashes or groups of dashes. ±10Hz
7075.004	0814	04	08			A1N			Continuous dashes.
7088.0	vt	vd	08			F1B		200	FSK
7101.8	0832 0919 0725	01 02 03	08	G		G1D		2K80E	USB 7000.0 / Stanag-4285
7105.0	0557	09	08	CUB				5K00E	Jammer
7108.0	2212	16	08	RUS		P0N		12K0E	Container radar
7112.0	0919	03	08			J7D		2K70E	USB 7110.0 / CIS-12
7115.0	0558 0646	09 26	08	CUB				5K00E	Jammer
7125.0	0559	09	08	CUB				5K00E	Jammer
7130.0	0600	09	08	CUB				5K00E	Jammer
7140.0	0600	09	08	CUB				5K00E	Jammer
7140.019	vt	vd	08	ERI	VoBM1	A3E		9K00E	BC
7148.0	1849	09	08	CHN		F3N	66.7	10K0E	'Foghorn' FMCW radar bursts
7150.0	0601	09	08	CUB				5K00E	Jammer
7157.0	vt	vd	08	CUB				5K00E	Jammer
7159.0	0825 0930	01 02	08			B7D		6K00E	ISB/DSB Link 11 CLEW
7159.0	0812	03	08			J7D		2K40E	LSB Link 11 CLEW
7160.8	1016	04	08			G1D		2K40E	USB 7159.0 / Link 11 SLEW
7165.0	1849	09	08	CHN		F3N	66.7	10K0E	'Foghorn' FMCW radar bursts
7170.0	1618	11	08			F1B		200	FSK
7177.0	1614	18	08			NON			Plain carrier
7178.0	0602	09	08	CUB				5K00E	Jammer
7180.020	1728	02	08	ERI	VoBM2	A3E		9K00E	BC
7187.3	1623	18	08					3K00E	Maybe USB 7185.5 / CIS-12 (idle mode)

RSGB; Richard, G4DYA

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
7187.0	1902	09	08	CHN		F3N	50	10K0E	'Foghorn' FMCW radar bursts
7190.0	2241	16	08	RUS		P0N		12K0E	Container radar
13998.0	0639 0742	10 14	08	RUS		P0N	40	12K0E	Container radar
14001.8	1658 0806	04 05	08			G1D		2K40E	USB 14000.0 / Stanag 4285
14002.0	1646 1525	13 14	08			F1B		850	FSK
14008.0	vt	vd	08			F1B		250	FSK
14014.0	0832	30	08			J3E		2K70E	USB male voice – assumed pirate
14052.0	0858	23	08			J7D		2K70E	USB 14050.0 / CIS-12
14100.0	vt	17- 30	08			N0N			Plain carrier on IBP frequency
14107.0	0935	21	08	CHN		F3N	66.7	10K0E	'Foghorn' FMCW radar bursts
14108.0	0823	04	08		DWHQ	A1A			Unknown non-amateur traffic
14118.0	0856	23	08			J7D		2K70E	USB 14116.0 / CIS-12
14140.0	0739	12	08	RUS		P0N	40	12K0E	Container radar
14142.0	0839	30	08	CHN		F3N	66.7	10K0E	'Foghorn' FMCW radar bursts
14172.23	1039	18	08			F1B		480	FSK
14187.0	1228	19	08	RUS		P0N	40	12K0E	Container radar
14192.0	0701	08	08	CHN		F3N	50	10K0E	'Foghorn' FMCW radar bursts
14195.0	1726	08	08	RUS		P0N	40	12K0E	Container radar
14210.0	vt	vd	08			P0N	10	4K50E	Signal resembles SuperDARN
14224.0	0831	04	08			P0N	22.22	8K00E	Unknown pulsed radar bursts
14240.0	1033 1242	16 26	08			F1B		250	FSK
14254.0	0816	20	08	CHN		F3N	66.7	10K0E	'Foghorn' FMCW radar bursts
14279.0	vt	vd	08	RUS		P0N	40	12K0E	Container radar
14286.0	0813	20	08	CHN		F3N	50	10K0E	'Foghorn' FMCW radar bursts
14291.0	1627	31	08	RUS		P0N	40	12K0E	Container radar
14300.0	0644	10	08	RUS		P0N	40	12K0E	Container radar
18070.0	1021 0726	25 29	08	G		F3N	50 25	20K0E	FMCW radar, RAF Akrotiri, Cyprus
18080.0	0641	26	08			A3E		15K0E	BC
18165.0	0946	08	08	G		F3N	50	20K0E	FMCW radar, RAF Akrotiri, Cyprus
18170.0	0732	22	08	G		F3N	25	20K0E	FMCW radar, RAF Akrotiri, Cyprus
21160.0	1028	25	08	G		F3N	25	20K0E	FMCW radar, RAF Akrotiri, Cyprus
21180.0	0941	02	08	G		F3N	50	20K0E	FMCW radar, RAF Akrotiri, Cyprus
21190.0	1242	27	08	G		F3N	25	20K0E	FMCW radar, RAF Akrotiri, Cyprus
21255.0	1011	07	08	G		F3N	50	20K0E	FMCW radar, RAF Akrotiri, Cyprus
21330.0	0858	10	08	G		F3N	50	20K0E	FMCW radar, RAF Akrotiri, Cyprus
21370.0	0753 1101	25 29	08	G		F3N	50	20K0E	FMCW radar, RAF Akrotiri, Cyprus
21420.0	1020	25	08	G		F3N	25	20K0E	FMCW radar, RAF Akrotiri, Cyprus
21421.0	0732	16	08	RUS		P0N	40	12K0E	Container radar
21430.0	0626	09	08	G		F3N	50	20K0E	FMCW radar, RAF Akrotiri, Cyprus
21455.0	0707	26	08	G		F3N	25	20K0E	FMCW radar, RAF Akrotiri, Cyprus

RSK; Kamweti, 5Z4BV

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH/ BW	DETAILS
3695	1753	7	08	RUS		Radar	40sps	15K0E	FMOP-OTHR Russian Contayner
7046	1035	8	08			J3E-L		2k5	Vernacular/Arabic QSO
7055	1031	8	08			J3E-U		2k5	Vernacular/Arabic msg net
7080	0914	7	08			A1A		200H	CW "A" repeated
7100	vt	vd	08	KEN		PSK		2k5	STANAG 4285
7140	vt	vd	08	ERI	VOBM 1	A3E		5kE	Voice of the Broad Masses #1 Eritrea
7150	vt	vd	08	KEN		MFSK	128	2k2	2G ALE Call transmission
14180	1803	7	08	RUS		Radar	40sps	15K0E	FMOP-OTHR Russian Contayner
14198	vt	vd	08			FSK		200H	DPRK-FSK grouped in 5
14200	1505	8	08			PSK		200H	
14242	0905	7	08			Radar		3k0E	

SRAL; Pekka, OH2BLU

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/BW	DETAILS
7 MHz	2000-0430	30 31	08	RUS		RADAR	40sps	13k0E	(WebSDR 11d) Kontainer
7 MHz	0550-1715	*	08	RUS		RADAR	10sps	10k0E	*) Days: 11. 13. 15. 16. 17. 19. 20. 24. 29. 31.
7 MHz	1600-1815	*	08	CHN		RADAR	50/67sps	10k0E	'foghorn', days: 9. 24. 29. 30.
7 MHz	1640-1800	*	08	CHN		RADAR	10sps	160k0	*) Days: 15. 18. 21.
7000.0	1750-1810	03	08	RUS		J7D	120	2k60E	
7001.0	1505-1530	08	08	RUS		F1B		250H	
7008.0	0800-1335/	*	08	RUS		F1B		250H	*) Days: 11. 13. 17. 29.
7010.0	1310-1355/	8 20	08	RUS		J7D	120	2k60E	
7015.0	1005-1010/	12	08	RUS	RIT	A1A		20H	Calls RLO, 5F
7016.0	1020-1320	24 27	08	RUS		F1B		250H	
7018.0	0520-0540	04	08	RUS		J7D	120	2k60E	
7022.0	0705-1525	12 25	08	RUS		J7D	120	2k60E	
7025.0	0840-1530	*	08	RUS		F1B		200H	*) Days: 1. 2. 3.
7031.0	0530-0730	17	08	RUS		R3E-u		3k0E	brum, Russian vox
7033.0	1430-1450	11	08	RUS		J7D	120	2k60E	
7043.5	1245-1300	03	08	RUS		J7D	120	2k60E	
7048.5	0900-0923/	02	08	RUS		A1A	15	20H	5BL
7052.0	0515-1845	*	08	RUS		F1B		250H	Days: 1. - 7.
7056.0	0710-1530	25	08	RUS		R3E-u		3k0E	brum, Russian vox

SRAL; Pekka, OH2BLU									
kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/BW	DETAILS
7057.0	1750-1810	05	08	RUS		J7D	120	2k60E	
7066.0	0515-1800	*	08	RUS		N0N/ F1B/A	15	200H	Days: 1. - 5.
7088.0	0500-1800	*	08	RUS		F1B		200H	*) Days: 1. - 4. 7. 10. 18. 27. ship
7090.5	1530-1645/	19	08	RUS		J7D	120	2k60E	Carrier on 7088.5 kHz
7099.0	0515-1615	*	08	RUS	KNIO etc	A1A	14	20H	*) Days: 1. 3. 4. 13. 21. 28. 31. 5F, 5BL
7101.8	0530-1800	*	08	IW		G1B		2k60E	North Sea
7112.0	1345-1530	05	08	RUS		J7D	120	2k60E	
7122.0	0700-0735/	04	08	RUS		F1B/ N0N		250H	
7126.0	1630	20	08	RUS		A1A	18	20H	Time stamp (???)
7140.0	1540-1845/	*	08	ERI	VoBM	A3E		9k0	*) Days: 2. 3. 5. 7. 8. 10. 13. 16. - 18. 20. - 23. 25. 27. 29. 30.
7159.0	0515-1800	*	08	IW		B7D		6k0E	LINK, Days: 1. -4.
7161.0	0910-0915	20	08	RUS	238	R3E-u		3k0E	Russian vox 5F, groups twice
7162.0	0930-1100	04	08	RUS		F1B		250H	
7170.0	1600-1830	11	08	RUS		F1B		250H	
7179.0	1245-1300	06	08	RUS		J7D	120	2k60E	
7180.0	1700-1835/	2 7	08	ERI		A3E		9k0	
7187.5	1630-1740/	18	08	RUS		J7D	120	2k60E	
7198.0	1730-1834/	18	08	RUS		J7D	120	2k60E	
7199.0	0700-0735/	05	08	RUS		F1B		250H	
10 MHz	1330-1500	17 20	08	RUS		RADAR	40sps	13k0E	(WebSDR 4d) Kontainer
14 MHz	h24	*	08	RUS		RADAR	40sps	13k0E	*) Days: 1. 2. 4. 6. - 10. 14. 17. 20. 24. 25. 27. - 31. (WebSDR 24d) Kontainer
14 MHz	0515-1600	*	08	RUS		RADAR	10sps	10k0E	*) Days: 1. 6. 9. 12. 13. 17.
14 MHz	0645-1600	*	08	CHN		RADAR	50/67sps	10k0E	*) Days: 4. 12. 19. 22. 23. 25. 29. 'foghorn'
14 MHz	0515-1600	*	08	CHN		RADAR	10sps	160k0	*) Days: 3. 11. 18. 19. 25.
14000.0	/1357-1457/	dly	08	CHN	CRI	A3E		9k0	TX intermod. 13710 & 13855 kHz
14002.0	0500-1800	*	08	GUM		F1B		850H	*) Days: 5. - 17.
14008.0	0500-1140	*	08	RUS		F1B/ N0N		250H	*) Days: 8. 9. 11. 12. 18. 19. 20. 22. 23. 25.

SRAL; Pekka, OH2BLU

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/BW	DETAILS
14108.0	0720-1200	*	08	RUS	DWHQ etc	A1A		20H	*) Days: 4. 5. 8. 11. 16. 27. 29. 30.
14118.0	0920-1000	4 6	08	RUS	TSWD etc	A1A		20H	5BL
14172.0	1010-1550	18	08	RUS		F1B		480H	
14186.0	0745	23	08	RUS		F1B		500H	
14210.0	0500-1500	dly	08			RADAR	10sps	5kOE	SuperDARN
14221.0	0430-0600/	dly	08	KAZ		F1B		200H	
18 MHz	0740-1230	*	08	CYP		RADAR	25/50sps	20k0	*) Days: 8. 10. 13. 17. 18. 22. 25. (WebSDR 9d)
18 MHz	0920-1200	26 30	08	RUS		RADAR	40sps	13kOE	(WebSDR 3d)
18080.0	0600-0800	*	08	TWN		A3E		9k0	*) Days: 1. 2. 4. 8. - 10. 20. - 28. 31. jammed by CNR
21 MHz	0535-1645	*	08	CYP		RADAR	25/50sps	20k0	*) Days: 1. 2. 6. 9. 10. 11. 16. 22. 25. 27. 29 - 31. (WebSDR 12d)
21 MHz	0815-1110	30	08	RUS		RADAR	40	13kOE	
21438.0	/0830-1600	*	08	RUS	RCV	A1A	20	20H	*) Days: 1. - 4. 8. 12. 13. 15. 23. 25. 29. - 31.
28 MHz	0500-1630	*	08	IRN		RADAR	150/ 313	60kOE	*) Days: 1. 4. 6. 8. 9. 25. 27. 31.
28860.0	0500-1800	*	08	IRN		RADAR	150/ 313	60kOE	*) Days: 1. - 6. 8. 9. 11. - 16. 22. 23. 25. 27. 29. - 31.
28 MHz	0645-1545	*	08	RUS	Taxi disp.	F3E		3kOE	*) Days: 1. 2. 4. 8. 9. 29.30. 90 reports

URE; Gaspar, EA6AMM

kHz	UTC	DD	MM	ITU	Ident	Mode	Bd/sps	SH/BW	Details
7088.0	05:46 vt*	02 vd*	08			F1B	75	200H	*Often
7092.0	17:29	29	08	CHN		RADAR	50	10KOE	Short bursts. Foghorn
7101.8	05:40 vt*	02 vd*	08			G1D		2K80E	LINK-11 SSB. *Also on 03/08, 0507 UTC
7159.0	05:38	02	08			B7D		6KOE	LINK-11 DSB. *Also on 03/08, 0512 UTC
13998.0	06:41	10	08	RUS		RADAR	40	12KOE	OTHR Contayner. *Also on 14/08, 0641 UTC
14000.0	14:56	25	08			A3E			BC. "RCI" intermodulation. Often
14001.5	06:34	03	08			O	2400	2K40E	ISR Navy hybrid modem
14001.8	11:03 vt*	04 vd*	08			G1D	2400	CA2K80E	STANAG 4285. *Also on 05/08, 0645 UTC
14002.0	08:26	11	08			F1B	50	850H	*Also from 12 to 17 August, 24/24
14007.0	07:23	30	08	CHN		RADAR	66.7	10KOE	Short bursts. Foghorn
14008.0	06:30 vt*	03 vd*	08	RUS		F1B	50	250H	*Almost daily
14014.0	08:45	30	08			J3E-U			UI people talking. Male voices
14026.0	12:01	12	08			J7D	120	2K70E	CIS-12
14026.0	12:23	24	08			J7D	120	2K70E	CIS-12
14031.0	07:20	30	08	CHN		RADAR	66.7	10KOE	Short bursts. Foghorn
14046.0	08:32	04	08	CHN		RADAR	50	10KOE	Short bursts. Foghorn
14052.0	09:02	18	08			J7D	120	2K70E	CIS-12. With carrier at 14050 kHz

URE; Gaspar, EA6AMM									
kHz	UTC	DD	MM	ITU	Ident	Mode	Bd/sps	SH/BW	Details
14052.0	09:02	23	08			J7D	120	2K70E	CIS-12
14058.0	06:12	26	08			F1B		200H	
14059.0	07:18	31	08	CHN		RADAR	66.7	10K0E	Short bursts. Foghorn
14060.0	16:48	16	08			J7D	120	2K70E	CIS-12
14066.0	09:21	02	08			J7D	120	2K70E	CIS-12
14083.0	07:09	31	08	CHN		RADAR	66.7	10K0E	Short bursts. Foghorn
14086.0	07:05	31	08	CHN		RADAR	66.7	10K0E	Short bursts. Foghorn
14088.0	10:53	16	08	RUS		J7D	120	2K70E	CIS-12
14098.3	06:43 vt*	10 vd*	08			F1B	600	600H	DPRK-FSK 600 ARQ. *Often. Sometimes synchronized with 14103.5 kHz CF system
14098.5	07:34 vt*	11 vd*	08			XXX		1K20E	DPRK 1200. *Often Sometimes synchronized with 14103.5 kHz CF system
14099.0	11:45	12	08	RUS		RADAR	40	12K0E	OTHR Contayner
14100.0	08:51 vt*	18 vd*	08			NON			Long-lasting. *Often
14101.9	07:30	04	08			W7D		2K80E	CIS-60: *Also on 10/08, 0737 UTC
14103.5	07:36 vt*	03 vd*	08			F1B	600	600H	DPRK-FSK 600 ARQ. *Often; Sometimes synchronized with 14098.5 kHz CF system
14103.5	13:40 vt*	20 vd*	08			XXX		1K20E	DPRK 1200. *Often
14106.0	08:39 vt*	15 vd*	08	CHN		RADAR	66.7	10K0E	Short bursts. Foghorn: *Also 27/08, 0829 UTC
14107.0	08:51	21	08	CHN		RADAR	66.7	10K0E	Short bursts. Foghorn. *Also 30/08, 0718 UTC
14108.0	08:10 vt*	04 vd*	08	RUS	7071 AHZE M2CP ZSLC	A1A			Encrypted QTC. *Often
14109.0	17:54	25	08	RUS		RADAR	40	12K0E	OTHR Contayner
14113.5	14:22	17	08			F1B	600	600H	DPRK-FSK 600 ARQ: *Also 24/08, 1350 UTC
14114.0	17:27	29	08	RUS		RADAR	40	12K0E	OTHR Contayner
14117.0	18:54	25	08	RUS		RADAR	40	12K0E	OTHR Contayner
14118.0	07:10	03	08			A1A			Encrypted QTC (numbers and letters; no IDs)
14118.0	09:44 vt*	14 vd*	08			J7D	120	2K70E	CIS-12. *Also on 23/08, 0854 UTC
14120.0	08:10 vt*	25 vd*	08	CHN		RADAR	50	10K0E	Short bursts. Foghorn. *Also 27/08, 0839 UTC
14122.0	14:52	30	08	RUS		RADAR	40	12K0E	OTHR Contayner
14126.0	07:50	22	08	CHN		RADAR	66.7	10K0E	Short bursts. Foghorn
14133.0	06:17	20	08	RUS		RADAR	40	12K0E	OTHR Contayner
14135.0	16:45	19	08			XXX		12K0E	XXX. Working simultaneously with same kind of signal on 14134 kHz CF. Bursts abt. 2.5 sec. long
14139.0	08:02	12	08	RUS		RADAR	40	12K0E	OTHR Contayner
14140.0	07:42	17	08	CHN		RADAR	83.3	10K0E	Short bursts. Foghorn
14141.0	07:46 vt*	03 vd*	08	CHN		RADAR	66.7	10K0E	Short bursts. Foghorn. *Also on 22/08, 0752 UTC
14142.0	07:14	30	08	CHN		RADAR	66.7	10K0E	Short bursts. Foghorn
14143.0	08:13	17	08	CHN		RADAR	83.3	10K0E	Short bursts. Foghorn
14148.0	14:52	12	08	RUS		RADAR	40	12K0E	OTHR Contayner
14153.0	16:12 vt*	14 vd*	08	CHN		RADAR	50	10K0E	Short bursts. Foghorn. *Also on 17/08, 0851 UTC
14155.0	12:05	30	08	RUS		RADAR	40	12K0E	OTHR Contayner

URE; Gaspar, EA6AMM									
kHz	UTC	DD	MM	ITU	Ident	Mode	Bd/sps	SH/BW	Details
14160.0	08:04	12	08			F1B		250H	
14161.0	15:50	20	08	CHN		RADAR	66.7	10KOE	Short bursts. Foghorn
14162.0	06:53	17	08	CHN		RADAR	10	160KOE	Wideband OTHR
14162.0	14:23	31	08	RUS		RADAR	40	12KOE	OTHR Contayner
14165.0	08:35 vt*	04 vd*	08	CHN		RADAR	50	10KOE	Short bursts. Foghorn. *Also on 30/08, 0716 UTC
14171.0	14:55	25	08	RUS		RADAR	40	12KOE	OTHR Contayner
14172.2	10:13	18	08			F1B		480H	
14175.0	06:52	03	08	CHN		RADAR	66.7	10KOE	Short bursts. Foghorn
14179.0	09:35	17	08	CHN		RADAR	63	10KOE	Short bursts. Foghorn
14180.0	12:45	24	08	RUS		RADAR	40	12KOE	OTHR Contayner. Perhaps 2 sys side by side: 18176 kHz CF + 14185 kHz CF
14181.0	08:37	27	08	CHN		RADAR	50	10KOE	Short bursts. Foghorn
14182.0	09:26	20	08	CHN		RADAR	50	10KOE	Short bursts. Foghorn
14183.0	10:24	18	08	RUS		RADAR	40	12KOE	OTHR Contayner
14184.0	15:53 vt*	22 vd*	08	RUS		RADAR	40	12KOE	OTHR Contayner. *Also 30/08, 1206 UTC
14186.0	08:52	20	08	RUS		F1B	50	500H	
14186.0	08:53 vt*	22 vd*	08	RUS		RADAR	40	12KOE	OTHR Contayner. *Also 27/08, 0854 UTC
14187.0	14:43 vt*	17 vd*	08	RUS		RADAR	40	12KOE	OTHR Contayner. *Also 19/08, 1226 UTC. 31/08, 1155 UTC
14187.0	08:56	21	08	CHN		RADAR	66.7	10KOE	Short bursts. Foghorn
14188.0	08:26	17	08	RUS		RADAR	40	12KOE	OTHR Contayner
14189.0	09:27	23	08	RUS		RADAR	40	12KOE	OTHR Contayner
14190.0	06:01	20	08	CHN		RADAR	50	10KOE	Short bursts. Foghorn
14192.0	09:04	20	08	CHN		RADAR	50	10KOE	Short bursts. Foghorn
14195.0	15:41	04	08	RUS		RADAR	40	12KOE	OTHR Contayner
14198.5	06:36 vt*	03 vd*	08			F1B	600	600H	DPRK-FSK 600 ARQ. *Often
14198.5	06:38 vt*	03 vd*	08			XXX		1K20E	DPRK 1200. *Often
14210.0	05:59 vt*	02 vd*	08			RADAR		4K50E	SuperDARN
14215.0	08:48	04	08	CHN		RADAR	10	160KOE	Wideband OTHR.
14221.0	05:57 vt*	20 vd*	08	KAZ		F1B	50	200H	*Also on 24/08, 0551 UTC
14222.0	07:49	04	08	CHN		RADAR	66.7	10KOE	Short bursts. Foghorn
14225.0	08:59	24	08	CHN		RADAR	66.7	10KOE	Short bursts. Foghorn
14231.0	08:09	25	08	CHN		RADAR	50	10KOE	OTHR. Long-lasting
14233.0	07:04	17	08	CHN		RADAR	66.7	10KOE	Short bursts. Foghorn
14237.0	10:17	31	08	RUS		RADAR	40	12KOE	OTHR Contayner
14240.0	08:10	12	08	RUS		F1B	75	250H	*Also 16/08, 0806 UTC; 26/08, 1136 UTC
14242.0	09:47	24	08			J7D	120	2K70E	CIS-12
14243.0	08:48	21	08	CHN		RADAR	66.7	10KOE	Short bursts. Foghorn
14246.0	06:05	25	08	CHN		RADAR	50	10KOE	Short bursts. Foghorn
14248.0	08:47	21	08	CHN		RADAR	50	10KOE	OTHR. Long-lasting
14250.0	06:49 vt*	03 vd*	08	CHN		RADAR	66.7	10KOE	Short bursts. Foghorn. *Also 20/08, 1610 UTC
14252.0	06:44	25	08	CHN		RADAR	50	10KOE	OTHR, long-lasting
14263.0	10:17	18	08	CHN		RADAR	50	10KOE	Short bursts. Foghorn
14265.0	07:03	30	08	CHN		RADAR	10	160KOE	Wideband OTHR
14273.0	06:58	17	08	CHN		RADAR	10	160KOE	Wideband OTHR

URE; Gaspar, EA6AMM									
kHz	UTC	DD	MM	ITU	Ident	Mode	Bd/sps	SH/BW	Details
14278.0	08:34	27	08	CHN		RADAR	10	160KOE	Wideband OTHR
14279.0	14:44	03	08	RUS		RADAR	40	12KOE	OTHR Contayner: *Also 08/04, 0652 UTC.
14279.0	06:31 vt*	05 vd*	08	RUS		RADAR	40	12KOE	OTHR Contayner
14283.0	08:47	20	08	CHN		RADAR	10	160KOE	Wideband OTHR
14285.0	08:55	04	08	CHN		RADAR	10	160KOE	Wideband OTHR
14285.0	09:14	23	08	CHN		RADAR	50	10KOE	Short bursts. Foghorn
14286.0	08:43	20	08	CHN		RADAR	50	10KOE	Short bursts. Foghorn
14291.0	07:26	25	08	CHN		RADAR	66.7	10KOE	Short bursts. Foghorn
14291.0	14:46	31	08	RUS		RADAR	40	12KOE	OTHR Contayner
14293.0	16:12	03	08	CHN		RADAR	66.7	10KOE	Short bursts. Foghorn
14296.0	16:14	03	08	CHN		RADAR	66.7	10KOE	Short bursts. Foghorn
14298.5	08:10 vt*	11 vd*	08			F1B	600	600H	DPRK-FSK 600 ARQ. *Often
14298.5	08:05 vt*	04 vd*	08			XXX	1K20E		DPRK 1200. *Often
14300.0	06:39	10	08	RUS		RADAR	40	12KOE	OTHR Contayner
14301.9	09:08 vt*	10 vd*	08			W7D		2K80E	OFDM. CIS-60. *Also on 11/08, 0725 UTC
14304.0	10:41	18	08	CHN		RADAR	50	10KOE	Short bursts. Foghorn
14307.0	06:48 vt*	03 vd*	08	CHN		RADAR	66.7	10KOE	Short bursts. Foghorn. *Also 04/08, 0831 UTC
14317.0	13:02	12	08	RUS		RADAR	40	12KOE	OTHR Contayner
14318.0	08:48	19	08	CHN		RADAR	50	10KOE	OTHR
14318.5	06:13	02	08			F1B	600	600H	DPRK-FSK 600 ARQ
14326.0	09:23	23	08	RUS		RADAR	40	12KOE	OTHR Contayner
14328.0	16:39	25	08	RUS		RADAR	40	12KOE	OTHR Contayner.
14338.0	12:50	24	08	CHN		RADAR	10	160KOE	Wideband OTHR.
14339.0	12:04	31	08	CHN		RADAR	83.3	10KOE	Short bursts. Foghorn
14340.0	07:20	10	08	RUS		RADAR	40	12KOE	OTHR Contayner
14341.0	09:29	17	08	CHN		RADAR	63	10KOE	Short bursts. Foghorn
14341.0	14:45	31	08	RUS		RADAR	40	12KOE	OTHR Contayner
14344.0	08:54	21	08	CHN		RADAR	66.7	140KOE	Short bursts. Foghorn
14345.0	16:08	20	08	CHN		RADAR		10KOE	Short bursts. Foghorn
14345.0	16:41	25	08	RUS		RADAR	40	12KOE	OTHR Contayner.
14346.0	06:02	02	08	CHN		RADAR	66.7	10KOE	Short bursts. Foghorn
14350.0	06:55	17	08	CHN		RADAR	10	160KOE	Wideband OTHR
14356.0	08:56	27	08	RUS		RADAR	40	12KOE	OTHR Contayner. Splatter to 14342 kHz
18065.0	08:43	13	08	G		RADAR	50	20KOE	OTHR Pluto. UK Sovereign Base Area of Akrotiri, Cyprus
18066.0	09:08	23	08	CHN		RADAR	66.7	10KOE	Short bursts. Foghorn
18080.0	10:28	18	08	G		RADAR	50	20KOE	OTHR Pluto. UK Sovereign Base Area of Akrotiri, Cyprus
18080.0	06:18 vt*	19 vd*	08			A3E			BC. "Sound of Hope". *Often
18098.4	10:56	25	08			F1B	600	600H	DPRK-FSK 600 ARQ
18117.0	09:19	02	08	CHN		RADAR	50	10KOE	Short bursts. Foghorn
18129.0	09:05	23	08	CHN		RADAR	50	10KOE	Short bursts. Foghorn
18149.4	10:57	25	08			F1B	600	600H	DPRK-FSK 600 ARQ
18161.0	09:06	23	08	CHN		RADAR	50	10KOE	Short bursts. Foghorn
18170.0	08:16 vt*	12 vd*	08	G		RADAR	50	20KOE	OTHR Pluto. UK Sovereign Base Area of Akrotiri, Cyprus. *Also on 22/08, 0743 UTC. 25/08, 0742 UTC
18171.0	08:40	17	08	RUS		RADAR	40	12KOE	OTHR Contayner

URE; Gaspar, EA6AMM									
kHz	UTC	DD	MM	ITU	Ident	Mode	Bd/sps	SH/BW	Details
21001.5	10:29	19	08			F1B		200H	FSK 200 ARQ
21001.7	11:44	26	08			XXX		CA1K50E	XXX digital bursts
21003.7	10:43 vt*	13 vd*	08			F1B		200H	FSK ARQ. *Also on 14/08, 0951 UTC
21010.0	10:07 vt*	20 vd*	08	G		RADAR	25	20K0E	OTHR Pluto. UK Sovereign Base Area of Akrotiri, Cyprus; *Also on 26/08, 1318 UTC
21030.0	13:30 vt*	13 vd*	08	G		RADAR	25	20K0E	OTHR Pluto. UK Sovereign Base Area of Akrotiri, Cyprus; *Also 26/08, 0625 UTC
21100.0	07:49	11	08	G		RADAR	50	20K0E	OTHR Pluto. UK Sovereign Base Area of Akrotiri, Cyprus
21106.0	08:04	30	08	RUS		RADAR	40	12K0E	OTHR Contayner
21115.0	07:55	16	08	G		RADAR	50	20K0E	OTHR Pluto. UK Sovereign Base Area of Akrotiri, Cyprus
21160.0	10:30	13	08	G		RADAR	25	20K0E	OTHR Pluto. UK Sovereign Base Area of Akrotiri, Cyprus
21180.0	09:33	02	08	G		RADAR	50	20K0E	OTHR Pluto. UK Sovereign Base Area of Akrotiri, Cyprus
21200.0	08:43	27	08	G		RADAR	50	20K0E	OTHR Pluto. UK Sovereign Base Area of Akrotiri, Cyprus
21210.0	10:42	31	08	G		RADAR	50	20K0E	OTHR Pluto. UK Sovereign Base Area of Akrotiri, Cyprus
21250.0	09:18	20	08	G		RADAR	50	20K0E	OTHR Pluto. UK Sovereign Base Area of Akrotiri, Cyprus
21263.0	12:36 vt*	13 vd*	08	RUS		RADAR	40	12K0E	OTHR Contayner. *Also 16/08, 0754 UTC
21285.0	10:42	31	08	G		RADAR	25	20K0E	OTHR Pluto. UK Sovereign Base Area of Akrotiri, Cyprus
21330.0	09:03	10	08	G		RADAR	50	20K0E	OTHR Pluto. UK Sovereign Base Area of Akrotiri, Cyprus
21369.0	08:41	30	08	G		RADAR	25	20K0E	OTHR Pluto. UK Sovereign Base Area of Akrotiri, Cyprus
21370.0	06:33	25	08	G		RADAR	50	20K0E	OTHJR Pluto. UK Sovereign Base Area of Akrotiri, Cyprus
21390.0	11:54	29	08	G		RADAR	25	20K0E	OTHR Pluto. UK Sovereign Base Area of Akrotiri, Cyprus
21410.0	09:07	20	08	G		RADAR	50	20K0E	OTHR Pluto. UK Sovereign Base Area of Akrotiri, Cyprus
21421.0	07:57	16	08	RUS		RADAR	40	12K0E	OTHR Contayner
21430.0	10:23	13	08	G		RADAR	25	20K0E	OTHR Pluto. UK Sovereign Base Area of Akrotiri, Cyprus
21438.0	08:49 vt*	02 vd*	08	RUS	RCV	A1A			"RCV" QTC. *Often
21450.0	10:24	20	08	G		RADAR	25	20K0E	OTHR Pluto. UK Sovereign Base Area of Akrotiri, Cyprus.
24114.6	09:04	15	08			A1A			Fishing buoy
28020.3	09:51	02	08		MTI	A1A			Fishing buoy
28021.3	09:46	02	08		CL	A1A			Fishing buoy
28036.5	09:48	02	08		CY	A1A			Fishing buoy
28065.1	09:37	04	08			F1B		300H	Fishing buoy
28100.0	14:57	02	08	E		J3E-U			Spanish CBers
28119.7	08:58	15	08		EB	A1A			Fishing buoy
28200.0	08:36	12	08	I		J3E-U			Italian CBers
28299.8	09:23	15	08		B	A1A			Fishing buoy
28860.0	08:49 vt*	15 vd*	08	IRN		RADAR	150	45K0E	OTHR. 150 and 313 sps, alternating. *Often

URE; Gaspar, EA6AMM

kHz	UTC	DD	MM	ITU	Ident	Mode	Bd/sps	SH/BW	Details
29450.0	08:20	25	08	IRN		RADAR	150	45K0E	OTHR IRN 150 and 313 sps, alternating. QSY every 4 minutes

USKA; Peter, HB9CET

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD / sps	SH / BW	DETAILS
7000.0	0136	18	08			N0N		ca 10H	long lasting carrier often
7000.07	1446	06	08			A1N		10H	fast dots only; long lasting
7001.0	1554	06	08			F1B		200H	weak, fading
7001.8	1556	06	08			G1D PSK8	2400 Bd	2k70E	STANAG 4285
7010.0	1357	08	08			J7D	12x120 Bd	2k70E	CIS12; BPSK or QPSK
7055.0 LSB	1119 0621	05 24	08			J3E-L		ca. 3k0E	Music and behind noise: Voice and music; strong (-60dbm)! almost daily
7058.0	1939	03	08			J7D	12x120 Bd	2k70E	CIS12;
7066.5	2358	01	08			F1B		200H	
7080.0	2032	15	08			Radar	10 sps	160k0E	Wideband OTHR (strong via JA)
7088.0	1110 0932	02 27	08			F1B	50	200H	often
7088.0	2239	02	08			F1B	75	250H	often
7101.8	1621	01	08			G1D PSK-8	2400	2k70E	PSK-8 single tone signal STANAG 4285
7101.8	1108	02	08	G		G1D PSK8	2400 Bd	2k70E	STANAG 4285; TDoA ca 58N 2W
7111.0 LSB	2214	10	08	CHN		G7D PSK-4	30x60 Bd	ca 2k50E	CHN30 (PRC30); Burst system; tone spacing 75 Hz; Preamble 4x PSK4 60Bd, spacing 600Hz; Pilot tone at 450Hz
7112.0	1439	03	08			J7D	12x120 Bd	2k70E	CIS12; BPSK or QPSK
7112.0	1338	05	08			J7D		2k70E	CIS12; 14 tones only
7119.0	2311	30	08			FMOP	40 sps	12k0E	OTHR; Contayner
7140.0	1539	08	08	ERI	VOBM 1	A3E		ca 9k0E	BC: Voice of the broad Masses 1 almost daily
7157.0	0601	24	08			?		ca 5 kHz	unidentified signal
7159.0	2341	01	08			B7D DQPSK	75 Bd	ca 6k0E	LINK11 CLEW DSB mode
14000.0	1451 1441	05 06	08	CHN?	CRI?	A3E		ca 9k0E	BC: China Radio International - inter-modulation of 13855 and 13710 kHz: 13855 x 2 -13710 = 14000 kHz often
14001.8	1312	03	08	G		G1D PSK8	2400 Bd	2k70E	STANAG 4285; TDoA ca 58N 2W
14002.0	1401	05	08			F1B	50 Bd	850H	
14008.0	0930 1148	15 25	08	RUS		F1B	50 Bd	250H	almost daily
14180.0	1248	24	08			FMOP	40 sps	12k0E	OTHR; Contayner
14195.0	1546 1614	04 08	08			FMOP	40 sps	12k0E	OTHR; Contayner
14198.4	0645	24	08			F1B/ARQ		1k20E	DPRK: ARQ system

USKA; Peter, HB9CET

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD / sps	SH / BW	DETAILS
14279.0	1559 1346	01 04	08			FMOP	40 sps	12k0E	OTHR; Contayner; often
14298.5	0804	15	08			ARQ	600 Bd 1200Bd	600H 1200H	DPRK: ARQ system FSK and PSK mode
18065.0	1132	05	08			FMCW	25 sps	20k0E	OTHR; long lasting
18165.0	1324	05	08			FMCW	50 sps	20k0E	OTHR; long lasting
21160.0	1347	07	08			FMCW	50 sps	ca 20k0E	OTHR; (most probably UK-base Cyprus)
21438.0	0848	15	08		RCV	A1A		10H	TDoA: Area of Sevastopol daily
28409.94	1423	03	08		MRT	A1A		10 H	Fishing buoy

VERON: Ruud PG1R, Credits to observers Dick PA0GRU, Joeke PA0VDV, Kees PA2CHM, Arie PA3CNK, Rene PA3EQO

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
7055.0	1640	29	08	UKR		J3E-L		2K8E	Loops with political comments, incriminating "The Kremlin"; English language.
10131.0	1426	04	08	CIS		F1B			UiPtr
14008.0	1110	06	08	CIS		F1B			UiPTR; Carrier/Revs
14108.0	1100	04	08	CIS	2G5Z	A1A			2G5Z calls to: N9D7 N8JQ HKY6 H12I 2F5A
14108.0	1052	09	08	CIS	JS9M	A1A			JS9M calls to: M2MK H2ZE WQTC HH50
14108.0	1000	10	08	CIS	ATIC	A1A			J7LD de ATIC QTC 462 52 10 1250 462 = 150 = MMMMM 5BL
14108.0	1037	18	08	CIS	XHOP	A1A			XXX XHOP 80106 ITOGOKAP 0680 0280 K
14118.0	1006	04	08	CIS		A1A			UiCW; QTC 946 .. 4 1300 946 = ZLJ 519 = 5BL
21436.0	1420	04	08			F1B			UiPTR; Revs

Contacts: Gaspar Miró, EA6AMM, ea6amm@iaru-r1.org
Peter Jost, HB9CET, hb9cet@iaru-r1.org

Visit our website: <https://www.iaru-r1.org/about-us/committees-and-working-groups/iarums/>

Many thanks to all our coordinators and helpers for your valuable work and support.