International Amateur Radio Union

Region 1

Monitoring System

DK2OM – Wolf Hadel
Co-ordinator of IARUMS Region 1
Editor of the Newsletter

HB9CET – Peter Jost
Vice Co-ordinator of IARUMS Region 1

The monthly newsletter for Region 1

August 2018

The 28 members of the IARUMS Region 1 Monitoring Team:

Acknowledgements

ARAT: 3V8CB – Ahmed ++ ARI: DH7SA – Salvatore ++ ARSK: 5Z4BV - Kamweti ++ DARC: DK2OM – Wolf ++ EARS: A61M – Obaid ++ ERASD: SU1SA – Sayed ++ HRS: 9A5DGZ – Gianluca ++ IARC: 4Z1AB – Amos ++ IRTS: EI3GYB - Michael KARS: 9K2RR – Faisal ++ MARL: 9H1M – Dominic ++ MRASZ: HA7PL - Laci ++ NARS: 5N9AYM – Yusuf ++ NRRL: LA4EU – Hans Arne ++ OEVSV: OE3GSA – Gerd ++ PZK: SP9BRP – Jan ++ RAL: OD5RI – Riri ++ REF: F5MIU – Francis ++ REP: CT4AN – Jose ++ ROARS: A41MA - Younis ++ RSGB: G4DYA - Richard ++ SARL: ZS6NS - James ++ SRAL: OH2BLU - Pekka ++ SSA – N.N. ++ UBA: ON8IM – Ivan +++ URE: EA6AMM - Gaspar ++ USKA: HB9CET - Peter ++ VERON: PG1R - Ruud ++ ZRS: S56ZDB – Darko ++ LU1BCE – Carlos (Co-ordinator Region 2) ++ YB3PET – Titon (Co-ordinator Region 3) ++ DF8FE – (Webmaster supp.) ++ DL8AAM (ALE) ++ DJ7KG (BUOYS) ++ DF5SX (BC) ++ DARC (server support) ++ OD5TE (Hani) ++ VE6SH – Tim (IARU President) ++ 9K2RR – Faisal (EC-IARU-R1 ++ unofficial member: ++ ASTRA - DL1BDF - Mustapha ++ PTTs: BAKOM (Swiss) ++ OFCOM (UK) ++ Dutch AT ++ Austrian PTT

Part 1: News and infos
Part 2: Detailed reports of the national co-ordinators

Part 1: News and Infos

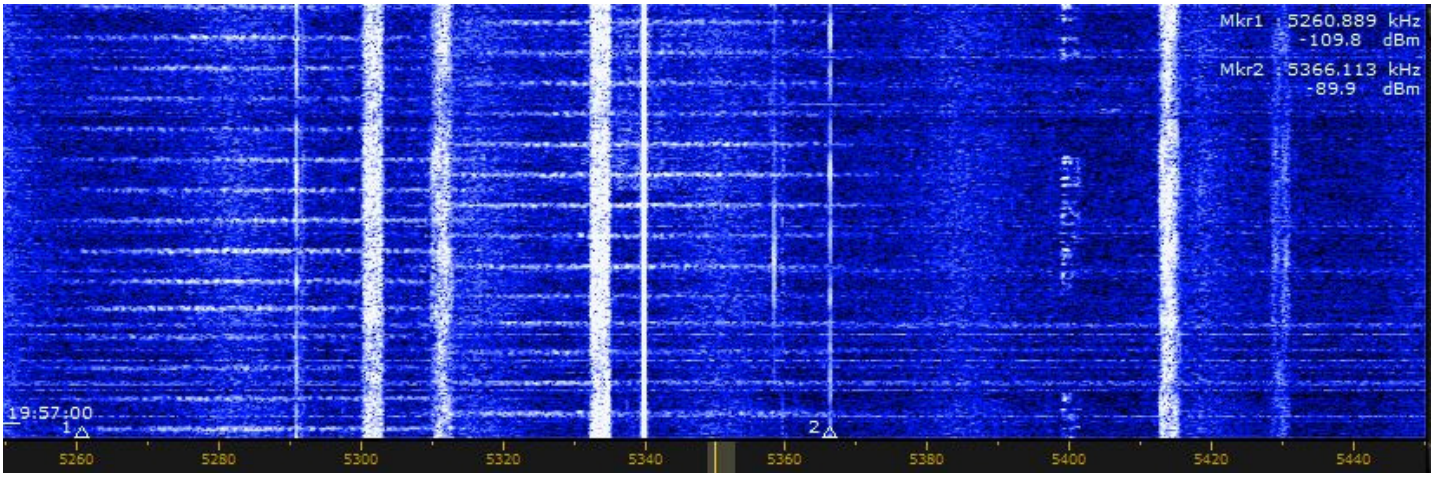
1. Illegal BC on the 40 m-band

Radio Hargeisa (Somaliland) was still on air on 7120 kHz over 3 weeks, same as Radio Ethiopia on 7140 kHz. The last August-week no transmissons were audible. We did not miss them.

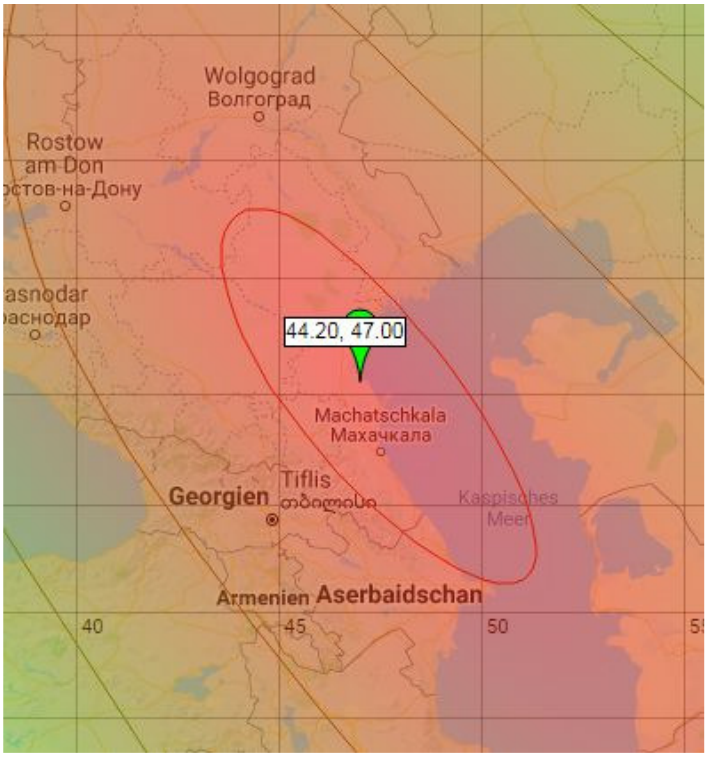
2. Traffic on our narrow 5 MHz band (shared band!)

The Stanag-4285 (PSK8, 2400 Bd) on 5361.8 kHz (center) – Danish Navy Aarhus - was active for few days.
The Russian coastal radar "Sunflower" was often transmitting in the evenings. Parameter: FMOP, 43 sps (PRF 43) and covering 45 kHz, sometimes 190 kHz. **(DF below**)
A Russian MIL system AT3004D (12 x 120 Bd BPSK + pilot tone on 3300 Hz AF) was active on 5362.0 kHz (center) on August 29th. Location Kaliningrad **(DF below)**

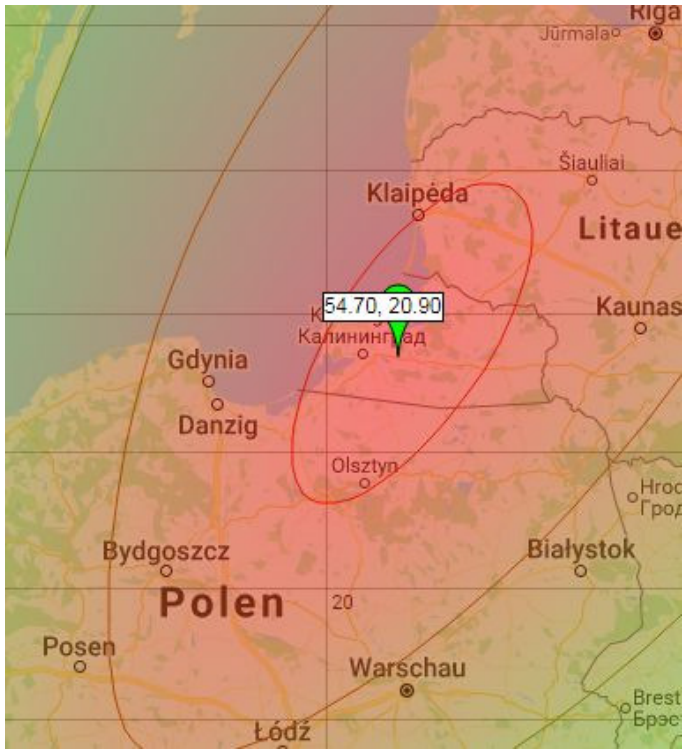
Russian coastal radar "Sunflower" – Russian name "Podsolnukh" on 5 MHz



5260 **5365**



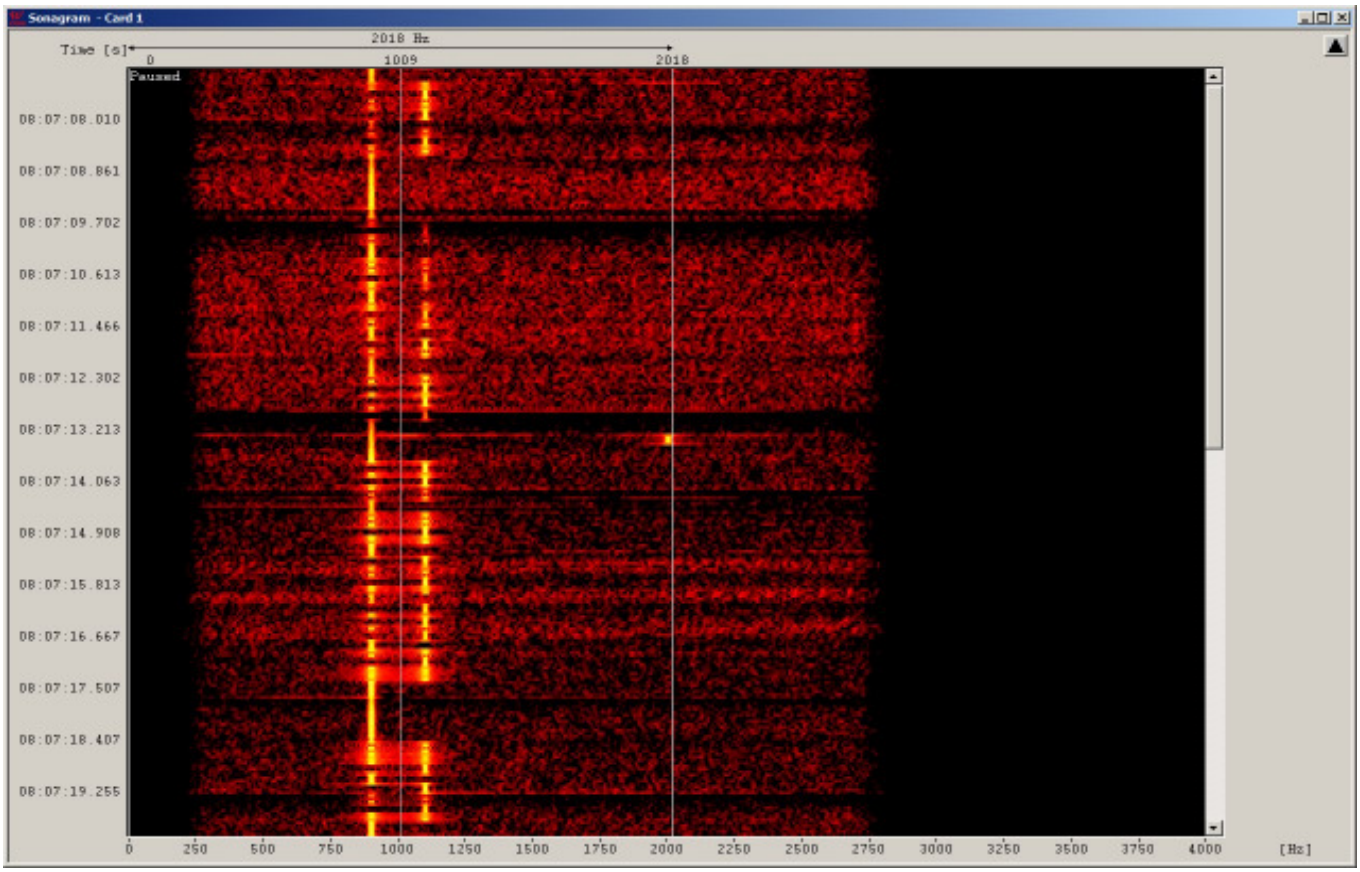
DF: Russian radar "Sunflower" – Makhachkala



DF: Russian MIL AT3004D - Kaliningrad

3. Increasing MIL traffic on 7, 14 and 18 MHz

We observed increasing MIL traffic on 7 and 14 MHz especially on digital modes from Russia and China. More details in our tables below. The Chinese wideband OTH-radar caused strong problems on 20 m. The Cyprus OTH radar was often observed on 18 MHz. The Iranian radar on 28860 kHz could be heard under sporadic E conditions. The German PTT (BNetzA Konstanz) filed an official complaint.
A Russian MIL system appeared on 7182.0 kHz on F1A. Shift: 200 Hz – location Moscow
Infos were transmitted on 7182.1 kHz. Ident "RDL" = Russian navy. The German PTT was informed.



7182.0

F1A signal on 7182.0 kHz from RUS navy Moscow. Screenshot: DK2OM with Wavecom W-Code

4. French amateurs on 10132 kHz

French amateurs were observed 10132.0 kHz on USB not respecting band plans and disturbing beacons.

5. Female voice on 14347.0 kHz - A3E

A female voice spelled encrypted MSGs on 14347.0 kHz on A3E (AM). Date: August 8th – Time: 0803 utc Possibly the Ukrainian "SZRU" (Foreign Intelligence Service of Ukraine) in Rivne.

6. Far East pirates on 14000.0 kHz

Far East were again observed on 14000.0 kHz USB often at about 1400 – 1700 utc. Location possibly Java-Sea. The signal strength was sometimes S 7 in Germany. Please try to take bearings and try to find out the language.

7. Spanish fishery on 7050.0 kHz

Spanis fishermen had a nice chat on 7050.0 kHz on USB on August 10th. They do not respect all our bands since many years.

8. 7055.0 LSB – childish behaviour

The stupid actions on 7055.0 LSB were going on and on. HAMs from West and East Ukraine were insulting each other or playing music every day.

9. Miscellaneous news:

3500, 3535, 3540, 3560, 3585, 3590, 7000 kHz – USB – Spanish fishermen often
5350.0 kHz – USB – Spanish fishery – splattering up to 5353.0 kHz
7120.0 kHz – Radio Hargeisa Somalia
7140 kHz – Radio Eritrea – no white noise QRM by Radio Ethiopia
28000.0 – USB – pirate meeting point (France, Spain, UK, North Africa)

10.

Homepage IARU Region 1 http://www.iaru-r1.org/
Homepage IARUMS Region 1 http://www.iarums-r1.org
Homepage IARUMS Region 2 http://www.iaru-r2.org/
Homepage IARUMS Region 3 http://iaru-r3.org/iaru-region-3-monitoring-system-newsletter/
Intruderlogger Region 1 http://peditio.net/intruder/bluechat.cgi
ITU-Monitoring Reports http://www.itu.int/en/ITU-R/terrestrial/monitoring/Pages/Regular.aspx

Part 2: Detailed reports of the national Co-ordinators

DD = day ••• **MM** = month ••• **dly** = daily ••• **vt** = various times ••• **vd** = various days ••• **BD** = Baud ••• **SH** = shift ••• **SP** = spacing ••• **Mode** = mode of transmission ••• **A3E** = AM ••• **A1A** = CW ••• **J3E-U** = USB ••• **J3E-L** = LSB ••• **FSK (F1B)** = frequency shift keying ••• **PSK** = phase shift keying ••• **OFDM** = othogonal frequency division multiplex **ALE = (MIL-188-141A)** = automatic link establishment ••• **MUX** = multiplex ••• **Ui (unid)** = unidentified ••• **Illicit** = illegal • **UiILL** = unidentified illegal ••• **BC** = broadcast ••• **MIL** = military ••• **PTR** = printer ••• **NGO** = non governmental organization ••• **ITU** = ITU country abbreviation ••• **PRC** = People´s Republic of China ••• **PLA** = People´s Liberation Army ••• **MFA** = Ministry of Foreign Affairs ••• **MOI** = Ministry of Interior ••• **MOPO** = Ministry of Public Order ••• **IARUMS** = IARU Monitoring System ••• **UTC** = Universal Time Coordinated ••• **PRF** = pulse repetition frequency (radar) = **sps** ••• **sps** = sweeps/sec (radar systems) ••• **FMCW** = frequency modulated continuous wave (OTH radars) **FMOP** = frequency modulation on pulse (OTH radars) ••• **5BL** = cyrillic 5 lettergroups ••• **DF** = direction finder

RSK – Kenya – 5Z4BV (Kamweti)

Soc	kHz	UTC	dd	mm	ITU	Identity	MODE	Bd	Shift	Details
RSK	7000	vt	dly	8	Kenya?	?	PSK		2500	ALE MIL 188-141
RSK	7040	vt	dly	8	E. Africa	?	J3E-u			Kiswahili msg net
RSK	7089,1	vt	occasional	8	Central Africa?	?	J3E-u			Mil French/vernacular msg. net
RSK	18070	04:30	16	8	??	?	FMCW			Possibly OTH radar

DARC 1 – Germany – DG0JBJ (Mario) – OTH radar intrusions

DG0JBJ (Mario) observed 0 OTH radars on 40 m, 0 OTH radars on 20 m, 30 OTH radars on 17m, 17 OTH radars on 15 m and 23 OTH radars on 10 m in August 2018.

DARC 2 – Germany - DK2OM (Wolf)

FSK transmissions -> center frequency between mark and space
PSK transmissions -> center QRG - ALE (MIL188-141A) -> USB QRG
exclusive bands -> black – shared bands -> blue - voice traffic -> green - BC -> red
SH = shift - SP = spread (radar) – SPS = sweeps/sec (radar) -> (aka PRF)

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DK2OM	1812,0	2130	01	08	RUS		USB LSB			14 tones – hyperbolic radio navigation system – BRAS-3/RS-10 – Kaliningrad – daily, all day
DK2OM	1888,0	1957	13	08	I	IPD	USB			Civitavecchia Radio, weather reports - daily
DK2OM	1896,5	---	--	08	D		PSK8	2400	2400	Stanag4285 – 600 bps long – German Navy
DK2OM	1925,0	1956	13	08	I	IPL	USB			Livorno Radio, weather reports - daily
DK2OM	**3500,0**	**1935**	**12**	**08**	**E**		**USB**			**Spanish fishery**
DK2OM	3503,5	vt	dly	08	G	no ITU	FSK8	125	1750	ALE – "XSS" "XPU" "XJR" – British MIL Tascomm – vt, daily - legal!
DK2OM	3525,0 RF	1850	28	08	F		PSK4	75	5850	Link11 – CLEW (16 x 75 Bd) – DSB mode – area of Marseille
DK2OM	3527,0	2100	16	08	RUS		F1B	50	200	Severomorsk - daily
DK2OM	3528,0	2030	20	08	E		USB			Spanish fishery
DK2OM	3530,0	1920	03	08	I		USB			Italian pirates
DK2OM	3531,0	2130	11	08	RUS	REA4	N0N			unclean carrier - RUS airforce Moscow, ident: full hour + 40 min - daily
DK2OM	3532,0	---	--	08	F		PSK4	75	5800	LINK11-CLEW on both sidebands (5800 Hz wide) – area of Brest – legal!
DK2OM	3534,0 RF	1837	30	08	UKR		PSK2A	1200	1200	system T-230-1A - NW Ukraine
DK2OM	**3535,0**	**1921**	**09**	**08**	**E**		**USB**			**Spanish fishery**

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DK2OM	**3538,0**	**1900**	**14**	**08**	**G**		**LSB**			**UK fishery**
DK2OM	**3540,0**	**2012**	**12**	**08**	**E**		**USB**			**Spanish fishery**
DK2OM	**3545,0**	**1950**	**10**	**08**	**E**		**USB**			**Spanish fishery**
DK2OM	**3550,0**	**0730**	**dly**	**08**	**F**		**A3E**			**French amateurs not respecting bandplans – every morning**
DK2OM	3550,0	2045	11	08	RUS		PSK2A	120	2600	AT3004D - Sevastopol
DK2OM	3550,7	1904	06	08	ISR		PSK4 PSK8	75 2400	2400 2400	hybrid modem – ISR Navy – PSK4 parallel and PSK8 serial - legal operation!
DK2OM	3550,9	2120	27	08			OFDM	29.6	2750	OFDM 60 – PSK4B + USB RUS voice
DK2OM	3553,8	ady	dly	08	TUR		PSK8	2400	2400	Stanag4285 – 600 bps long -TUR MIL - Ankara – daily, all day - legal operation
DK2OM	3555,0	2042	03	08	CIS		USB			male persons in Russian voice spelling figures – every evening
DK2OM	**3555,0**	**1850**	**29**	**08**	**E**		**USB**			**Spanish fishery**
DK2OM	**3560,0**	**1930**	**12**	**08**	**E**		**USB**			**Spanish fishery**
DK2OM	3568,0	1950	05	08	CIS		USB			women in Russian voice
DK2OM	3568,0 RF	1945	30	08	RUS		OFDM	29.7	2750	OFDM 60 – PSK4B - Moscow
DK2OM	3570,0	0540	22	08	E		USB			Spanish fishery
DK2OM	3575,5	1830	13	08	BLR		PSK2A	120	2600	AT3004D
DK2OM	3576,6	ady	dly	08	I	IZ3DVW	A1A			3576.550 - uncoordinated beacon – disturbing JT65
DK2OM	3580,0	1850	05	08	RUS		PSK2A	120	2600	AT3004D – Moscow – digital HAM traffic not possible
DK2OM	3582,0	2040	22	08	RUS		PSK2A	120	2600	AT3004 – south of St. Peterburg
DK2OM	3585,0	ady	dly	08	TWN	HLL	F1C		800	WX-fax Taiwan - 120 rpm, IOC 576 - daily, all day - legal!
DK2OM	**3585,0**	**2028**	**02**	**08**	**E**		**USB**			**Spanish fishery with voice scrambler "CRY 2001" – often QRV - not respecting legal Taiwan WX-fax**
DK2OM	3588,0	2110	14	08	RUS		PSK2A	120	2600	AT3004D - Moscow
DK2OM	3593,7	---	--	08	RUS	D	A1A			Cluster beacon – Sevastopol RUS Navy – **"RCV"**
DK2OM	3593,8	---	--	08	RUS	P	A1A			Cluster beacon – Kaliningrad RUS Navy – **"RMP"**
DK2OM	3593,9	---	--	08	RUS	S	A1A			Cluster beacon – Severomorsk RUS Navy – **„RIT"**
DK2OM	3594,0	---	--	08	RUS	C	A1A			Cluster beacon C - Moscow RUS Navy - **"RIW"**
DK2OM	3594,0 RF	---	--	08	ISR		PSK4A PSK8	75 2400	2600 2400	hybrid modem – 6 pre-carriers PSK4 parallel and MIL-188-110A modified – ISR Navy – shared band!
DK2OM	3594,2	---	--	08	RUS	F	A1A			Cluster beacon F - Vladivostok RUS Navy - **"RJS"**
DK2OM	3595,0	---	--	08	RUS	K	A1A			Cluster beacon - Petropavlovsk Kamchatskiy - RUS Navy - Pacific fleet - **"RCC"**
DK2OM	3596,0	vt	dly	08	J		FSK8	125	1750	ALE, "JH1ESB" – just for info!
DK2OM	3597,0	1900	19	08	RUS		PSK2A	120	2600	AT3004D – west of Bryansk
DK2OM	3622,5	ady	dly	08	J	JMH	F1C		800	Tokyo Meteo – 120 rpm – IOC 576 – daily, all day - legal!!!
DK2OM	3697,0 RF	2044	15	08	ISR		PSK4 PSK8	75 2400	2400 2400	hybrid modem – ISR Navy – PSK4 parallel and PSK8 serial - legal operation!
DK2OM	3756,0	1800	dly	08	RUS		USB			RUS MIL – channel marker – Tuapse – East Black Sea – night QRG – daily
DK2OM	5200,0	2100	25	08	RUS		FMOP		190k	5200 – 5390 kHz – RUS coastal radar "Sunflower" – 43 sps Makhachkala – Caspian Sea
DK2OM	5310,0	1855	12	08	RUS		FMOP		55k	5310 – 5365 kHz – RUS coastal

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
										radar "Sunflower" – 43 sps Makhachkala – Caspian Sea
DK2OM	5335,0	2020	23	08	RUS		FMOP		45k	5335 – 5380 kHz – RUS coastal radar "Sunflower" – 43 sps Makhachkala – Caspian Sea
DK2OM	**5350,0**	**---**	**--**	**08**	**E**		**USB**			**Spanish fishery – splattering up**
DK2OM	5361,8	1247	23	08	DNK	OUA15	PSK8A	2400	2400	Stanag-4285 – 600 bps long – assigned to Danish Navy Aarhus - legal – primary user
DK2OM	5362,0	1854	29	08	RUS		PSK2A	120	2600	AT3004D – submode idle Kaliningrad – primary user
DK2OM	6970,0 RF	1304	19	08	RUS		FMOP		72k	coastal radar Sunflower - 43 sps 6970 – 7042 kHz - Vladivostok
DK2OM	6976,0 RF	0800	05	08	CHN		FMOP		43k	coastal radar Sunflower - 43 sps 6976 – 7019 kHz – Vladivostok
DK2OM	6978,0 RF	1620	22	08	RUS		FMOP		75k	coastal radar Sunflower - 43 sps 6978 – 7053 kHz – Vladivostok
DK2OM	6998,0 RF	1745	08	08	RUS		PSK2A	120	2600	7000.0 center - AT3004D – Moscow
DK2OM	7000,9	0750	15	08	RUS		OFDM	29.6	2750	6999.0 RF - OFDM 60 – PSK4B - Kaluga
DK2OM	7006,0	1000	dly	08	MRC		USB			Moroccan fishery
DK2OM	7010,0	vt	vd	08	ALB	no ITU	FSK8	125	1750	ALE, "RS0" - Tirana
DK2OM	7010,0	1210	01	08	RUS		PSK2A	120	2600	AT3004D - Moscow
DK2OM	7016,0	0855	04	08	RUS		PSK2A	120	2600	AT3004D - Moscow
DK2OM	7018,0	---	--	08	RUS	REA4	F1B	100	800	mostly idling – Russian airforce Moscow – ident at full hour + 41 min. on F1A
DK2OM	7020,0	vt	vd	08	ALB		FSK8	125	1750	ALE, "CS004A" "RS004D" "CS004" - daily
DK2OM	7025,0	0830	06	08	RUS		F1B	50	200	
DK2OM	7031,0 RF	1620	16	08	RUS		unid			pulsing carrier and spurious – 7032.170 - Sevastopol
DK2OM	7036,0	1910	14	08	RUS		F1B	50	250	
DK2OM	7038,8	**---**	**--**	08	RUS	P	A1A			Cluster beacon „P"– Kaliningrad RUS Navy – **"RMP"**
DK2OM	7039,0	---	--	08	RUS	C	A1A			Cluster beacon „C" - Moscow RUS Navy - "**RIW**"
DK2OM	7039,2	---	--	08	RUS	F	A1A			Cluster beacon „F" - Vladivostok RUS Navy - **"RJS"**
DK2OM	7039,3	---	--	08	RUS	K	A1A			Cluster beacon "K" Petropavlovsk Kamchatskiy - RUS Navy - Pacific fleet - **"RCC"** - daily
DK2OM	7039,4	ady	dly	08	RUS	M	A1A			Cluster beacon „M" – Magadan RUS Navy – **„RTS" - daily**
DK2OM	7040,0 LSB	vt	07	08	CHN		PSK4A	60	2350	burst system "PRC-30" – 30 tones – 450 Hz pilot tone
DK2OM	7040,5	vt	dly	08	HRV		FSK8	125	1750	ALE, "9A5EX" "9A0ALE" – just for info
DK2OM	7045,0	1209	02	08	CHN		FMOP		49k	coastal radar Sunflower - 43 sps 7021 – 7070 kHz – area of Wenzhou – East China
DK2OM	7049,5	1932	15	08	HRV G F I	9A0ALE M1DFO F6BAZ IW3IPM	FSK8	125	1750	Amateur ALE, just for info! daily – various times
DK2OM	7050,0	vt	dly	08	KGZ		FSK8	125	1750	ALE, "X" "810" "820615" "810698" – Kyrgyzstan MIL
DK2OM	**7050,0**	**0940**	**10**	**08**	**E**		**USB**			**Spanish fishery**
DK2OM	7055,0	vt	dly	08	UKR		LSB			music and Russian voices
DK2OM	7060,0	1007	14	08	RUS		PSK2A	120	2600	AT3004D - Kaliningrad
DK2OM	7088,8	vt	vd	08	S	SL0FRO	A1A			7088.830 kHz - cw-trainee, Sweden - SL0FRO - just for info!
DK2OM	7089,8	---	--	08	TUR		PSK8	2400	2400	Link11 - SLEW – aircraft ?

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
										west of Izmir
DK2OM	7099,5	vt	dly	08	HRV	9A0ZG	FSK8	125	1750	ALE, “9A0ZG” “9A5EX1P” “9A0OS” – daily - just for info!
DK2OM	7102,0	vt	vd	08	HRV SUI D	9A0MIL	FSK8	125	1750	ALE, “9A3MIL” “9A2KS” “HB9MHB” “9A0ZG” “9A4OS” “DK0ESD” – just for info!
DK2OM	7102,0	1003	05	08	CHN		FMOP		45k	coastal radar Sunflower - 43 sps 7102 - 7147 kHz – South-East-China
DK2OM	7107,0 RF	1250	31	08	RUS		FMOP		96k	coastal radar Sunflower - 43 sps 7107 – 7203 kHz – Vladivostok
DK2OM	7110,0	vt	dly	08	HRV	9A0ALE	FSK8	125	1750	ALE, “9A0ALE” – just for info
DK2OM	7111,0 LSB	vt	24	08	CHN		PSK4A	60	2350	burst system “PRC-30” – 30 tones – 450 Hz pilot tone
DK2OM	7116,0 RF	1900	31	08	RUS		?		2900	broken signal - Moscow
DK2OM	7117,0	---	--	08	RUS	REA4	F1B	100	1000	mostly idling – Russian airforce Moscow – ident on CW at 1640 utc on the mark-QRG
DK2OM	7118,0	1829	09	08	RUS		PSK2A	120	2600	AT3004D - Moscow
DK2OM	7118,0	vt	15	08	CHN		FSK8	125	1750	ALE, „120“ „159“
DK2OM	**7120,0**	**1912**	**02**	**08**	**SOM**		**A3E**		**9k**	**Radio Hargeisa – Somaliland**
DK2OM	7122,0	1625	12	08	RUS		F1B	75	250	Moscow
DK2OM	7126,0	2010	04	08	D		unid		16k	unid system 7126 – 7142 kHz – south of Munic
DK2OM	7130,6	2030	17	08	I		PSK8A	2400	2400	Stanag-4285 – 600 bps – long – RF – 7128.8 kHz - Rome
DK2OM	7137,0	vt	dly	08	TWN		FSK8 LSB	125	1750	ALE, “EDKLT” “EVSNG” “ECCLT” “EFNGX” “EVNNM” “EVWRK” “EGFXA” “ECQUY” “EFYMO” “EWPEN” “ECXKF” “EWRAJ” “ECHTD” “EUIQE” “EBPGH” Taiwanese navy
DK2OM	7138,0	0850	02	08	RUS		F1B	75	200	Russian ship – Baltic Sea – south of Gotland
DK2OM	**7140,0**	**1720**	**03**	**08**	**ERI**		**A3E**		**9k**	**7140.022 kHz - Radio Eritrea**
DK2OM	7157,0 RF	1500	19	08	RUS		PSK2A	120	2600	AT3004D – defective signal - Tula
DK2OM	7159,0 RF	1610	25	08			PSK4	75	5850	LINK11-CLEW on both sidebands (5800 Hz wide) – DSB
DK2OM	7161,0	1907	06	08	TWN		FMOP		32k	Codar like ocean surface radar 2.6 sps – 7161 – 7193 kHz
DK2OM	7162,0	1829	19	08	TWN		FMOP		32k	Codar like ocean surface radar 2.6 sps – 7162 – 7194 kHz
DK2OM	7162,0	0700	13	08	RUS		F1B	75	250	Moscow
DK2OM	7176,0	1706	18	08	RUS		F1B	75	250	Moscow
DK2OM	7181,9	0902	16	08			N0N			carrier – belongs to 7182.1 - Moscow
DK2OM	7182,1	0948	16	08	RUS	RDL	A1A F1A			ident „RDL“ at 0948 utc – RUS navy – „QC Z“ - Moscow
DK2OM	7185,0	0859	31	08	HRV		FSK8	125	1750	ALE, „9A5EX“ – just for info
DK2OM	7185,5	vt	dly	08	J TWN		FSK8	125	1750	ALE, “BV4AS” “JH1ESB” - just for info - daily
DK2OM	7186,0	0730	08	08	RUS		PSK2A	120	2600	AT3004D - Severomorsk
DK2OM	**7200,0**	**vt**	**vd**	**08**	**MMR**		**A3E**		**9k**	**Myanmar Radio**
DK2OM	10100,8	ady	dly	08	D	DDK9	F1B	50	450	Baudot - German Weatherservice – legal!
DK2OM	10110,0	vt	dly	08	SNG	no ITU	FSK8	125	1750	ALE, “CN6” “68” – Singapore Navy - Changi Naval Base
DK2OM	10113,0	vt	vd	08	TUN	no ITU	FSK8	125	1750	ALE, “TUD” “STAT5” “STAT154”
DK2OM	10114,0	vt	dly	08	ALG	no ITU	FSK8	125	1750	ALE, “BSF” “ZEN”

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
										"CM2OR2"
DK2OM	10114,8	0640	dly	08	RUS		F1B	100	1000	CIS14 – Moscow
DK2OM	10115,0	vt	dly	08	MRC	no ITU	FSK8	125	1750	ALE, "100" "114" "203" "XXZ" – West Sahara
DK2OM	10117,0	0729	17	08	RUS		PSK2A	120	2600	AT3004D - Moscow
DK2OM	10120,0	vt	dly	08	ALG	no ITU	FSK8	125	1750	ALE, "CM6" "01012016"
DK2OM	10120,0	0717	10	08	RUS		PSK2A	120	2600	AT3004D - Moscow
DK2OM	10123,0	vt	dly	08	ALG	no ITU	FSK8	125	1750	ALE, "CM3" "COF" "BSF" "CM2" "ESA" – Algerian Airforce
DK2OM	10124,0	vt	dly	08	ALG		FSK8	125	1750	ALE, "OEB" - ALG airforce
DK2OM	10129,0	vt	dly	08	ALG	no ITU	FSK8	125	1750	ALE, "CM1" "CTF" "772"
DK2OM	10130,0	1300	01	08	RUS		F1B	50	500	NW of Chita – daily, all day
DK2OM	10132,0	0930	03	08	F		USB			French amateurs not respecting bandplans and disturbing beacons
DK2OM	10136,0	vt	dly	08	ALG	no ITU	FSK8	125	1750	ALE, "CM3" "BLD" "CNC" "TF2"
DK2OM	**10144,0**	**ady**	**dly**	**08**	**D**	**DK0WCY**	**A1A**			**10144.000 kHz - DK0WCY – German aurora beacon – just for info!**
DK2OM	10145,5	vt	dly	08		JH1ESB	FSK8	125	1750	ALE, "JH1ESB" - just for info - daily
DK2OM	10145,5	vt	dly	08	TWN AUS	BV4AS	FSK8	125	1750	ALE, "BV4AS" "VK4SAA"– just for info!
DK2OM	10149,0	1147	18	08	AUS		FMOP		10k	OTH radar – 27 sps – 4 sec bursts – intro tone – 10144 – 1054 kHz
DK2OM	14000,0	1340	13	08	FEa		USB			Far East pirates – east of Indonesia
DK2OM	14008,0	0940	06	08	RUS		F1B	50	250	Moscow
DK2OM	14026,0	0940	14	08	RUS		PSK2A	120	2600	AT3004D - Moscow
DK2OM	14086,0	1611	30	08	CHN		FMOP		160k	14086 – 14246 - Chinese wideband OTH radar – 10 sps
DK2OM	14100,0	vt	dly	08	ALG	no ITU	FSK8	125	1750	ALE, "6206" "6204" "6212" "6202" "6203" "6207" "6217" "MTL" "IJI" – Mauritanian border – daily, all day
DK2OM	14108,0	0820	07	08	RUS	6TY5	A1A			encrypted groups – RUS MIL – area of Moscow
DK2OM	14109,0	vt	dly	08	TWN	HAM	FSK8	125	1750	ALE, "BV4AS" – daily - just for info!
DK2OM	14109,0	vt	dly	08	S HRV D		FSK8	125	1750	ALE, "SM3FXL" "9A4OS" "9A3BRV" "DK0ESD" - just for info!
DK2OM	14109,0	vt	vd	08	J		FSK8	125	1750	ALE, "JH1ESB" – just for info
DK2OM	14116,0	0842	03	08	RUS		F1B	50	250	Moscow
DK2OM	14128,0	0734	11	08	CHN		FMOP		160k	14128 – 14288 - Chinese wideband OTH radar – 10 sps
DK2OM	14160,0	vt	dly	08	MRC		FSK8	125	1750	ALE, "9204" "9228" "9236"
DK2OM	14160,0	1609	19	08	RUS		F1B	75	250	Moscow
DK2OM	14166,0	1352	02	08	CHN		FMOP		160k	14166 – 14326 - Chinese wideband OTH radar – 10 sps
DK2OM	14171,0	0717	13	08	RUS		PSK2A	120	2600	AT3004D – Moscow
DK2OM	14173,0	1343	27	08			FSK8	125	1750	ALE, „ABC" „AK0" „DD2" „XYZ"
DK2OM	14192,0	vt	dly	08	RUS		F1B	50 75 50 100 100	500 500 200 500 200	RUS navy Kaliningrad - daily
DK2OM	14204,0	1349	02	08	CHN		FMOP		160k	14204 – 14364 - Chinese wideband OTH radar – 10 sps – area of Wuhan
DK2OM	14221,0	2030	05	08	KGZ		F1B	50	200	Bishkek – mostly idling - daily various times
DK2OM	14223,0	0732	11	08	CHN		FMOP		160k	14223 – 14383 - Chinese wideband OTH radar – 10 sps

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DK2OM	14225,0	1229	02	08	FEa		FMOP		10k	unid radar bursts – 30 sps – daily – various times
DK2OM	14260,0	vt	dly	08	SRB	YU1BI	FSK8	125	1750	ALE, "YU1BI" – just for info!
DK2OM	**14260,0**	**---**	**--**	**08**	**UKR**		**A3E**			**female voice with encrypted msgs – figures – "SZRU" = Foreign Intelligence Service of Ukraine in Rivne**
DK2OM	14260,0	1244	16	08	CHN		FMOP		160k	14260 – 14420 - Chinese wideband OTH radar – 10 sps – jumping
DK2OM	14292,0	1245	16	08	RUS	6WOL	A1A			VY6E de 6WOL – RUS MIL - Jekaterinburg
DK2OM	14295,0	vt	dly	08	SRB	YU1BI	FSK8	125	1750	ALE, "YU1BI" – just for info!
DK2OM	14295,0 RF	1718	07	08	RUS		unid		4000	unid system - Moscow
DK2OM	14296,0 RF	1358	11	08	RUS		unid		7000	Novosibirsk - unid signal – broken system?
DK2OM	14345,9	vt	dly	08	THA	HS0ZEA	A1A			HS0ZEA beacon – 14345.934 kHz - every 5 minutes – daily - just for info!
DK2OM	14346,0	vt	dly	08	POR		FSK8	125	1750	ALE, "CT2IXQ" just for info – various times, daily
DK2OM	**14347,0**	**0803**	**14**	**08**	**UKR**		**A3E**			**female voice**
DK2OM	**18080,0**	**0630**	**dly**	**08**	**TWN**		**A3E/BC**			**Sound of Hope – Taiwan and Chinese BC jammer – daily at 06 utc and later**
DK2OM	18100,0	vt	dly	08	MRC	no ITU	FSK8	125	1750	ALE, "A2" "A4" "A5" "A7" "S6" – "C3" "R3" "G401" "CD" "09" "G2" "LG6" "G301" "ELJADIDNET4" - daily, various times
DK2OM	18106,0	vt	vd	08	POR	CT2GOY	FSK8	125	1750	ALE, "CT2GOY" – just for info!
DK2OM	18106,2	vt	dly	08	TWN		FSK8	125	1750	ALE, "BV4AS" – just for info!
DK2OM	18107,0	vt	vd	08	RUS	RDL	F1B	50	200	CIS-50-200 - Moscow – idle and traffic – daily - Russian navy – shared band!
DK2OM	18117,5	---	--	08	POR	CT2IXQ	FSK8	125	1750	ALE, "CT2IXQ" – just for info
DK2OM	18150,0	---	--	08	RUS		F1B	100	1000	harmonic from 9075 (100 Bd, 500 Hz) - Kaliningrad
DK2OM	**21000,0**	**---**	**--**	**08**	**B**		**USB**			**Brazilian pirates – Rio de Janeiro with North Brazil – very often**
DK2OM	21096,0	vt	dly	08	INS	YD0OXH	FSK8	125	1750	ALE, "YD0OXH3" – daily, various times - just for info!
DK2OM	21096,0	vt	vd	08	G		FSK8	125	1750	ALE, "M1DFO" – just for info!
DK2OM	21145,0	vt	dly	08	MRC	no ITU	FSK8	125	1750	ALE, "A" "B301" "C3", "IR4" "H4" "IR6" "T4" "E4" "A2" "CD" "K3" "KB2" "J5" "J52" "GR2" "GS4" "R3" "R301" "R33" "R8" "R5" "Y1" "S51" "S3" "S4" "S512" "S552" "G2" "G501" - various times, daily
DK2OM	21190,0	---	--	08	RUS		F1B	100	1000	harmonic from 10595 kHz - Moscow
DK2OM	21400,0	---	--	08	RUS		F1B	50	2000	harmonic from 5350 kHz – area of Moscow
DK2OM	21438,0	0918	01	08	RUS	RCV	A1A			RKZ – RJV de RCV - RUS Navy Sevastopol - often
DK2OM	21446,0	ady	dly	08	THA	HS0ZEA	A1A			HS0ZEA beacon – every 5 minutes - just for info!
DK2OM	25000,0	---	--	08	FIN		A3E			time signal Helsinki – just for info – carrier on 25000 – dots on 25001 and 24999 – daily, all day – just for info!
DK2OM	**28000,0**	**ady**	**dly**	**08**	**B**		**A3E**			**Brazilian CBers – 28000 – 28325 – daily, all day - no**

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
										change
DK2OM	**28000,0**	**vt**	**dly**	**08**	**CIS**		**F3E**			**28000 – 29700 numerous CIS taxi nets – no change**
DK2OM	28000,0	1010	20	08	UK		F3E			UK pirates – possibly fishery
DK2OM	**28000,8**	**1014**	**20**	**08**	**G?**		**MFSK-65**	**2.69**	**20**	**28000.750 kHz – JT65 – "SV0VVG" – "1S9LND" - just for info**
DK2OM	28025,0	---	--	08	POR		F1B	51	320	F1B bursts - west of Lisbon – Atlantic Ocean - Enagal GPS buoy
DK2OM	28035,0	0914	04	08	RUS		F3E			RUS taxi – Moscow - daily
DK2OM	28051,5	---	--	08	POR		F1B	51	320	F1B bursts - west of Lisbon – Atlantic Ocean - Enagal GPS buoy
DK2OM	28065,0	2025	08	08	POR		F1B	51	320	F1B bursts - west of Lisbon – Atlantic Ocean - Enagal GPS buoy
DK2OM	28075,0	---	--	08	POR		F1B	51	320	F1B bursts - west of Lisbon – Atlantic Ocean - Enagal GPS buoy
DK2OM	28085,1	0956	03	08	POR		F1B	51	320	F1B bursts - west of Lisbon – Atlantic Ocean - Enagal GPS buoy
DK2OM	28212,0	---	--	08	POR		F1B	51	320	F1B bursts - west of Lisbon – Atlantic Ocean - Enagal GPS buoy
DK2OM	28255,0	1252	03	08	RUS		F3E			RUS taxi
DK2OM	28275,0	---	--	08	POR		F1B	51	320	F1B bursts - west of Lisbon – Atlantic Ocean - Enagal GPS buoy
DK2OM	28275,0	0847	12	08			F3E			unid vocoder
DK2OM	**28435,0**	**----**	**--**	**08**	**E**		**F1B**	**81.9**	**140**	**Datawell-buoy "Waverider" – 28435.040 kHz – Costa del Sol – Malaga**
DK2OM	28459,8	---	--	08	GAB		A3E		1060	carrier and dots in USB and LSB, bursts every 60 sec – carrier – Gabon - daily
DK2OM	**28499,8**	**---**	**--**	**08**	**MEa**		**F1B**	**81.9**	**140**	**Datawell-buoy "Waverider" – 28499.875 kHz – Persian Gulf**
DK2OM	28550,0	0922	16	08			USB			scrambler HC 265
DK2OM	28746,5	---	--	08	GAB		A3E			carrier and dots in USB and LSB, bursts every 60 sec – carrier – Gabon
DK2OM	28751,6	---	--	08	GAB		A3E		1080	carrier and dots in USB and LSB, bursts every 60 sec – carrier – Gabon
DK2OM	28860,0	0700	01	08	IRN		AM-pulse		55k	Iranian radar bursts – 313 and 150 sps – long lasting
DK2OM	29114,0	---	--	08	RUS		F1B	100	2000	harmonic from14557.0 kHz - Moscow
DK2OM	29240,0	1704	03	08			F3E			male net – Arabic voice
DK2OM	**29249,9**	**---**	**--**	**08**	**E**		**F1B**	**81.9**	**140**	**Datawell-buoy "Waverider" – 29249.880 kHz – Spain Fuerteventura – reported by CT2IWW**
DK2OM	**29375,0**	**---**	**--**	**08**	**I**		**F1B**	**81.9**	**140**	**Datawell-buoy "Waverider" – 29374.898 kHz – Gallipoli, South Italy - daily, all day**
DK2OM	**29387,5**	**---**	**--**	**08**	**IND**		**F1B**	**81.9**	**140**	**Datawell-buoy "Waverider" – 29387.460 kHz – Indian NW coast, close to Pakistan - daily, all day**
DK2OM	**29400,0**	**---**	**--**	**08**	**USA**		**F1B**	**81.9**	**140**	**Datawell-buoy "Waverider" – 29400.070 kHz - USA north-east coast – NY daily, all day**
DK2OM	**29450,0**	**---**	**--**	**08**	**MRC**		**F1B**	**81.9**	**140**	**Datawell-buoy "Waverider" –**

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
										29449.863 kHz - area of El Aaiun – Morocco - daily, all day
DK2OM	**29500,0**	**0846**	**03**	**08**	**G**		**F1B**	**81.9**	**140**	**Datawell-buoy "Waverider" – 29499.974 kHz- area of Gibraltar – daily, all day**
DK2OM	**29525,0**	**---**	**--**	**08**	**MRC**		**F1B**	**81.9**	**140**	**Datawell-buoy "Waverider" – 29524.990 kHz - Agadir - Morocco – daily, all day**
DK2OM	**29625,0**	**---**	**--**	**08**	**USA**		**F1B**	**81.9**	**140**	**Datawell-buoy "Waverider" – 29625.024 kHz - USA north-east coast – daily, all day**
DK2OM	29685,0	---	--	08	I		VFT		2300	Italian MIL – Brescia - daily
DK2OM	29699,5	---	--	08	I		VFT		1600	Italian MIL – Brescia - daily
DK2OM	**50100,0**	**vt**	**dly**	**08**	**D**		**QRM**			**1.8 - 50 MHz strong QRM by a neighbouring LED lamp - since 2 1/2 years - "many thanks" to German "PTT" Eschborn** 

IRTS – Ireland – EI3GYB (Michael)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	DETAILS
IRTS	1812	0130	04	08	RUS		USB/LSB	Russian navy Kaliningrad. Daily in the middle of the night.
IRTS	1836	0035	07	08	IRL or MM		USB	2 Irish fishermen. SE dialect. Chat ends at0050z.
IRTS	1963	2045	09	08	E or MM		USB	2 Spanish fishermen. Big signals. Plenty of background noise from both ships.
IRTS	1980	2050	10	08	E or MM		USB	2 Spanish fishermen. Weakish signals.
IRTS	3520	1610	16	08	E or MM		USB	Spanish fishermen, encrypted with "Cry2001" encrypted signals.
IRTS	3535	2010	15	08	POR or MM		USB	2 Portuguese fishermen. Huge signals.
IRTS	3535	1030 to 1110	22	08	IRL		USB	2 Irish fishermen. One of the ships has very strong signals, the other one is only occasionally to be heard. The fisherman with the stronger signal has a Mayo/Galway/Roscommon accent. He whistles a lot and is unable to say a single sentence without using the word "fuck". He is probably called Gerry. The other one is called Steve.
IRTS	3550	0550	30	08	F		AM	French Hams still persistently violating the band plan.
IRTS	3555,5	2055	06	08	F or MM		USB	Group of French fishermen.
IRTS	3573,95	0725 to 0742	21	08	IRL		USB	2 Irish fishermen. Audio from one of the ships is not great. Machine noise from both ships. An incredible amount of the word "fuck" in nearly every single sentence. Both use an Irish/English mixture to communicate. Accent of English points towards Cork/Kerry.
IRTS	3583	1125 to 1142	30	08	IRL or MM		USB	2 Irish fishermen. Enormous signals. Strong motor noise from both ships. Other men heard chatting and working in the background of one of the ships. Both fishermen have Dublin accents. Names: John and Gerry. Complains about the few fish they caught. They ask themselves if they are still fishing in Irish waters or already in UK waters. One of them is off for the weekend.
IRTS	3584	1034	07	08	F or		USB	2 French fishermen chatting.

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	DETAILS
					MM			
IRTS	3584	0935 to 1002	10	08	F or MM		USB	2 French fishermen. Good signals. Loud motor noise in the background.
IRTS	3585	1455	07	08	E or MM		USB	Spanish fishermen operating in "Cry2001" encrypting system for a QSO. Also heard on the 9th at 0545z.Also on the 15th at 0855z.
IRTS	3621	1555	17	08	UK		USB	Scottish fishermen. Medium strength signal. Also heard on the 18th at 2314.
IRTS	3638	0815	10	08	UK or MM		USB	2 English fishermen chatting.
IRTS	3640	2040	09	08	POR or MM		USB	2 Portuguese fishermen. Clear audio. Very strong signals.
IRTS	3640	1740	17	08	F or MM		USB	Group of French fishermen. Loud signals.
IRTS	3647	0020	16	08	RUS/ UKR		LSB	Russian music being played. Political slogans are shouted.
IRTS	3647	2015 to 2100	17	08			LSB	Some body plays continuously a recording of the Italian national anthem, followed by Chopin's "Etude Opus 10, Nr.3".
IRTS	3650	2045	13	08	HOL or MM		USB	Group of Dutch fishermen. Loud signals. Plenty of motor noise in the background of one of the ships.
IRTS	3655	1439	09	08	IRL or MM		USB	2 Irish fishermen. SE accent. Usual foul language. Ends at 1450z.
IRTS	3681	1950	31	08	RUS/ UKR		LSB	Rebroadcasting of a radio programme in Russian. Shouting of political slogans. "Patriotic" music.
IRTS	3686	0855	12	08	E or MM		USB	2 Spanish fishermen.Medium strenght signals.
IRTS	3686	0645	13	08	IRL or MM		USB	2 Irish fishermen. One has a Cork accent and is called Jim. The other sounds like a Polish guy using English with a Scottish accent. Loud motor noise from one of the boats. Plenty of foul language. "Talk to you later. Probably around 10 or 11. God fishing!"
IRTS	3686	2010	16	08	E or MM		USB	Group of Spanish fishermen.
IRTS	3686	1037 to 1059	24	08	IRL		USB	2 Irish fishermen. Very strong signals. They discuss ships logbook on a computer. One of the fishermen is called Shane and has a strong Galway accent. The other fisherman is a foreigner with an Arab accent. During the course of the chat it is revealed that he is from Egypt ("You have to go back to Egypt if your catches are too bad!")
IRTS	3690	1750	11	08	IRL or MM		USB	2 Irish fishermen. One is called Sean, the other is called Des. Galway accent from both men. Ends at 1805z.
IRTS	3690	1114-1122	20	08	IRL		USB	2 Irish fishermen. South East accent. Dunmore mentioned. Name: Aidan. "I'll give you a shout later!" Same crowd was heard again at 1627. "See you later!"
IRTS	3727	1725	08	08	E or MM		USB	2 Spanish fishermen. Monster signals.
IRTS	3728	1100	10	08	MM		USB	2 male voices using Japanese. One signal is very faint, the other quite strong. Machine noise in the background.
IRTS	3730	0205	27	08	RUS		LSB	Somebody replays recordings of the sound of bells from Russian orthodox churches. Shouting of slogans ("Rossija, Rossija!"). Russian pop music is being played. Total chaos rules this frequency.
IRTS	3731	0018	15	08			LSB	Somebody rebroadcasting Russian radio. Total chaos on the frequency.

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	DETAILS
IRTS	3738	2135	13	08	E or MM		USB	2 Spanish fishermen. Great signals.
IRTS	3738	0125 to 0130	23	08	E or MM		USB	2 Spanish fishermen. Huge signals.
IRTS	3756	2130	25	08	RUS		USB	The Pip. RUS military. Daily all evening and night for the last few decades.
IRTS	3786	1706	27	08	POR or MM		USB	2 Portuguese fishermen chatting. Monster signals from both ships. Clear audio. Loud motor noise in the background of one of the ships.
IRTS	5280	2030	17	08			USB	Arab voices on an Irish spot frequency.
IRTS	5297	1835	09	08	HOL or MM		USB	2 Dutch fishermen splattering up to the Irish spot frequency of 5298.5 KHz.
IRTS	5300	1310	29	08	F or MM		USB	2 French fishermen right on an Irish spot frequency. Heard again 30/08/2018 at 0930z.
IRTS	5316	2015	23	08	RUS		FMOP	Russian Far East radar running from 5316 to 5374 KHz. Heard many days making CW and SSB QSOs in the 5 MHz international allocation impossible.
IRTS	5330	0810	10	08	F or MM		USB	Group of French fishermen. Strong signals. Splattering up to the Irish spot frequency of 5330.5 KHz.
IRTS	5361.8	2010	23	08	DNK		PSK8	NATO Arhus. Legal user. Makes any QSO between 5360 and 5364.5 KHz impossible. Heard on some days.
IRTS	5375	1845	17	08	E or MM		USB	2 Spanish fishermen. Huge signals. Right in the middle of a UK allocation.
IRTS	5395	1910	26	08			FMCW	Strong radar from 5395 to 5407 KHz. On and off for over an hour. Two Irish spot frequencies are blocked.
IRTS	5400	0105	23	08	E or MM		USB	2 Spanish fishermen. Middling signals with lots of QRM using an Irish spot frequency.
IRTS	5398.5	1832	01	08	HOL		USB	A Dutch OM replies to a UK portable station on a UK/EI spot frequency. When offered to QSY, the Dutch operator refuses and both OMs have QSO. Not the first time this Dutch OM operates outside the Dutch 5 MHz allocation.
IRTS	5405	0930	16	08	E or MM		USB	2 Spanish fishermen directly on an Irish 5 MHz spot frequency.
IRTS	7055	1550	17	08	RUS/ UKR		LSB	Rebroadcasting of a programme of a Russian radio station.
IRTS	7056	1630	16	08			PSK	Huge signal from 7056 to 7060 KHz.
IRTS	7098	0730	31	08			LSB	Russian propaganda slogans being shouted. Also heard 7101 and 7060 KHz. Signal moves up and down the band all the time.
IRTS	7111	1600	31	08			RTTY	Loud signals, intermittent .
IRTS	7117	0710	31	08			PSK	7117 to 7122 KHz. Medium strength signal. Still heard at 0900-1330-1600-2000z.
IRTS	7120	0330	01	08	SOM		AM	Radio Hargeisa. Very strong. Daily in the early morning.
IRTS	7128.8	0010	18	08	I		PSK8A	Huge signal from Rome. Still on at 0215.
IRTS	7139	1150	02	08			F1B	Strong digital signal. Still on at 1315z.
IRTS	7140	0305	14	08	ERI		AM	Radio Eritrea. Daily early in the morning with big signals.
IRTS	7159	1830	15	08			USB	Link11 Clew. Strong. Heard on many days.
IRTS	7179	1855	28	08			Digital	Strong digital signal from 7179 to 7183 KHz. Still on at 2005z.
IRTS	7185	1730	08	08			Digital	Huge digital signal from 7185 to 7190 KHz. Still running on the 9th at 0800z.
IRTS	10150	1110	11	08			USB	Arab voices. Medium strength signals.
IRTS	14192	0930	03	08	RUS		F1B	Russian navy from Kaliningrad. All daylight hours every single day. Strong.
IRTS	14220	0910	31	08			USB	Deliberate QRM towards a station from the Republic of Kosovo. The racket goes on for at least 30 minutes.
IRTS	14221	2025	19	08	KGZ		F1B	Bishkek. Heard almost daily in the early and late

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	DETAILS
								night.
IRTS	14240	1350	30	08			FMCW	Radar from 14240 to 14400 KHz. Strong. No other traffic possible.
IRTS	14259	0745	21	08			Digital	Strong digital signal.
IRTS	14280	0835	08	08			FMCW	Radar from 14280 to 14320 KHz. Huge signals.
IRTS	18070	0700	13	08			FMCW	Radar. Huge signals from 18070 to 18096 KHz.
IRTS	18080	0630	05	08	TWN		AM	Voice of Hope, Taipei. Almost daily, but very weak.
IRTS	18097	1146	02	08			FMCW	Radar from 18087 to 18111 KHz.
IRTS	28000	1100	03	08	UK		FM	English CB operators from the Kent/Essex area.
IRTS	28182	1058	03	08	RUS		FM	Russian taxi services. Strong.
IRTS	29649	1050	03	08			Digital	FSK signals. Probably a “Wave rider” buoy. Strong.

KARS – Kuwait – 9K2RR (Faisal)

MRASZ – Hungary - HA7PL (Laci)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
MRASZ	1854,0	1744	20	8			A1A		"BORKR APMIE YZTVU" OK beacon
MRASZ	1855,0	1743	20	8			USB		air trafik, official
MRASZ	3550,0	1702	12	8			PSK2		AT3004D
MRASZ	3650,0	1845	6	8			OTHR		3640-3660 kHz
MRASZ	3690,0	1832	16	8			LSB		music
MRASZ	3725,0	1833	16	8			LSB		music + song
MRASZ	3787,5	1734	20	8			F1B	500	
MRASZ	3792,0	1841	6	8			F1B	200	
MRASZ	7040,0	0813	10	8			A1A		beacon: IZ3DVW/B
MRASZ	7050,0	0750	9	8			LSB		russian, continuous repetition a frequency
MRASZ	7050,0	0825	9	8			LSB		till 0915: continuous repetition a frequency
MRASZ	7050,0	0820	10	8			LSB		again continuous repetition a frequency
MRASZ	7055,0	1424	5	8			LSB		chaos, as usual
MRASZ	7055,0	1848	6	8			LSB		music
MRASZ	7055,0	0623	9	8			LSB		chaos, translating "anti Putin", music
MRASZ	7055,0	0802	9	8			LSB		now here, russian, continuous repetition a frequency
MRASZ	7055,0	0706	10	8			LSB		chaos, again continuous repetition a frequency
MRASZ	7055,0	1441	20	8			LSB		political propaganda
MRASZ	7102,0	1825	16	8			A1A		"ZBR K""ZZDNO ZZU 5226 5226 K"
MRASZ	7120,0	1725	6	8	SOM		A3E		R. Hargaysa, hrd: 12, 16, 20
MRASZ	7122,0	1824	16	8			F1B	250	
MRASZ	7140,0	1425	5	8	ERI		A3E		R. Eritrea, hrd: 6, 20
MRASZ	7176,0	1443	20	8			F1B	250	
MRASZ	7181,9	1836	16	8			N0N		
MRASZ	7184,0	1411	20	8			PSK2		AT3004D
MRASZ	7186,0	0619	9	8			PSK2		AT3004D
MRASZ	10102,1	1341	5	8			F1B	200	
MRASZ	10102,0	1342	5	8			N0N		stopped F1B
MRASZ	10103,0	1735	6	8			N0N		
MRASZ	10114,8	0707	9	8			F1B	1000	
MRASZ	10114,8	0703	10	8			F1B	1000	
MRASZ	10130,0	0723	9	8			F1B	500	
MRASZ	14116,1	0708	10	8			F1B	250	
MRASZ	14192,0	1124	5	8	RUS		F1B	200	RUS Navy Kaliningrad
MRASZ	18060,0	1436	20	8			OTHR		18050-18070 kHz, 50 Hz

OEVSV – Austria – OE3GSA (Gerd)

PZK – Poland – SP9BRP (Jan)

REF – France – F5MIU (Francis)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	Baud	Sh /Bw	DETAILS
R.E.F.										**August 2018**
	3756	1750	26	08			Cw ?		2.1kHz	Beeps every second mod 700,1400,2100Hz
	18090	0745	28	08			fmcw		20kHz	OTH Radar pulsed 20ms, S6
	18160	0745	21	08			fmcw		20kHz	OTH Radar pulsed 20ms, S6
	18170	0800	18	08			fmcw		20kHz	OTH Radar pulsed 20ms, S7
	28245	0751	17	08			AM		10kHz	2 stations talking for long time Unident language (CB ?)

REP – Portugal – CT4AN (Jose Francisco)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
REP	3500	21.14	10	08	E		J3E-U			Spanish fishery
REP	3503	19.07	06	08	G	XSS	FSK-8			UK DHFCS NCS ALE
REP	3520	21.28	16	08	RUS		H2A	10		Enigma M01B
REP	3520	19.56	13	08	F		J3E-U			French fishery, dly
REP	3535	07.12	14	08	E		J3E-U			Spanish fishery Galicia province
REP	3550	08.32	15	08	POR		J3E-U			Portuguese fishery
REP	3560	22.30	11	08	E		J3E-U			Fishery, everyday
REP	3570	20.19	21	08	F		J3E-U			French fishery
REP	3575	07.08	27	08	E		J3E-U			Spanish fishery, dly
REP	3585	20.36	14	08	E		J3E-U			Spanish fishery encrypted CRY2001
REP	3650	18.58	28	08	G	XSS	FSK-8			UK DHFCS NCS ALE
REP	3675	19.20	14	08	HOL	PBK	J3E-U			Netherlands Coast Guard Wx
REP	3675	07.35	12	08	F		J3E-U			French fishery, dly
REP	3680	07.37	14	08	E		J3E-U			Fishery
REP	3688	08.12	13	08	F		J3E-U			French fishery, dly
REP	3715	07.24	12	08			J3E-U			Unid language fishery, engine noises
REP	3720	22.44	02	08	E		J3E-U			Spanish fishery
REP	3750	21.11	18	08	UKR		FSK	100	500	Ukranian military
REP	3755	19.02	01	08	RUS		A3E			Russian mil marker
REP	3755	08.46	28	08	POR		J3E-U			Portuguese fishery
REP	5350	20.40	01	08	E		J3E-U			Spanish fishery
REP	6999	08.40	13	08	MRC		J3E-U			arabic/french mil net, phonetics, prob MRC mil
REP	7000	19.74	13	08			J3E-U			Arabic fishery net, someone says “huh?” a lot
REP	7003	08.34	28	08			J3E-U			Unid arabic fishery net, engine noises
REP	7005	07.05	07	08	E		J3E-U			Spanish fishery
REP	7006	08.59	12	08			J3E-U			Unid arabic fishery net, engine noises, dly
REP	7010	07.48	12	08			FSK8			92xxx 188-141A ALE net unid digi mode, dly
REP	7015	20.44	19	08		209002	FSK-8			ALE
REP	7020	19.05	22	08	RUS	V	A1A			BEACON
REP	7025	19.45	22	08	RUS		BPSK			AT3004D
REP	7036	22.19	21	08	RUS	P	A1A			KALINIGRAD, Navy
REP	7039	23.50	19	08	UKR	F	A1A			VLADIVOSTOK
REP	7039	20.04	05	08	RUS	M	A1A			MAGADAN
REP	7045	08.31	12	08			FSK8			20xx 188-141A net, sounding

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
										requests, dly
REP	7055	20.00	13	08	RUS		J3E-L			Russia/Ukraine war propaganda, daily
REP	7070	22.13	16	08		2200	FSK-8			ALE sounding
REP	7070	05.58	14	08		20001	FSK-8			Unid "20001" ALE
REP	7070	08.17	25	08	MRC	2011	FSK-8			Civil Defence
REP	7070	09.33	12	08	I		J3E-L			Italian ops playing music, jamming comms
REP	7070	08.50	16	08			FSK8			Several 141-188 nets, sounding, daily
REP	7100	18.22	03	08	RUS		F1B	50	200	CIS36
REP	7120	19.26	03	08	SOM		8k00 A3EGN			Radio Hargeisa
REP	7128	09.25	19	08	I		BPSK			Nato Stanag 4285 Rome - TDoA
REP	7140	17.34	03	08	ETH		8k00 A3EGN			Radio Eritreia
REP	7159	07.37	21	08	G		PSK8			Link11 Nato ship off coast of the UK -TDoA
REP	10115	22.06	10	08	E		J3E-U			Spanish fishery
REP	10130	08.17	13	08			J3E-U			Mil SSB net, lots of phonetics – shared band, FYI
REP	10135	19.56	10	08	MRC		J3E-U			Moroccan fishery
REP	10140	20.25	16	08	E		J3E-U			Spanish fishery
REP	14014	08.00	25	08			J3E-U			Unid langagua net, several ops
REP	14171	08.12	08	08	RUS		PSK2	120	2.6k	AT3004D
REP	14192	11.50	08	08	RUS		FSK	50	200	Russian Navy, encrypted
REP	18075	10.00	11	08			FMCW	50	20k	OTH radar
REP	21000	12.20	15	08	E		J3E-U			Spanish fishery
REP	21210	12.49	15	08			FMCW			OTH radar
REP	21215	14.34	20	08	MRC		J3E-U			Fishermen
REP	28555	10.00	20	08	RUS		F3E			Taxis dispatchers
REP	28725	11.30	20	08	RUS		F3E			Taxis dispatchers

RSGB - Great Britain – G4DYA (Richard)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/BW	DETAILS
RSGB	3540.0	1735	12	08			J3E			USB fishing
RSGB	5353.0	2041	13	08			J3E			USB fishing
RSGB	5355.0	1903	24	08			P0N		70K0-E	'Sunflower' radar. 43 Hz prf.
RSGB	5363.6	ady	23	08	DNK		G1D		2K40-E	For info: Primary user: USB 5361.8 / Stanag 4285
RSGB	5385.0	1911	13	08	RUS		P0N			'Sunflower' radar. 43 Hz prf.
RSGB	7000.0	1053	15	08			J7D			USB 6998.0 / MS5
RSGB	7001.0	0826	15	08			J7D			USB 6999.0 / MS5. Ceased by 0838
RSGB	7008.0	1737	10	08			F1B		250	
RSGB	7032.3	0813	20	08						Several carriers, maybe broken F1B
RSGB	7038.5	ady	dly	08	CZE	OK0EU	A1A			For info: QRP propagation beacon
RSGB	7013.0	1854	07	08			J7D		2K70-E	USB 7011.0 / MS5
RSGB	7020.0	1802	17	08	RUS		F1B	75	250	KiwiSDR TDoA: Moscow
RSGB	7060.0	1225	14	08			J7D		2K70-E	USB 7058.0 / MS5
RSGB	7120.0	vt	dly	08	SOM		A3E			BC. Radio Hargeysa
RSGB	7122.0	ady	12-17	08			F1B	75	250	
RSGB	7130.6	ady	17-21	08			G1D		2K40-E	USB 7128.8 / Stanag 4285
RSGB	7138.0	0915	02	08			F1B	75	200	
RSGB	7140.0	vt	dly	08	ERI	VoBM 1	A3E			BC
RSGB	7159.0	1450	19	08					2K70-E	USB 7157.0 / MS5
RSGB	7159.0	1503 ady	15 19-21	08			B7D		6K00-E	ISB / Link 11 CLEW
RSGB	7162.0	1455	15	08			F1B	75	250	
RSGB	7176.0	vt	18-20	08			F1B	75	250	

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/BW	DETAILS
RSGB	7182.0	ady	14-23	08	RUS	RDL	F1A J7D		200 2K70-E	Mark on 7181.9 most of time, occasional non-Latin Morse. occasionally switches to USB 7182.0 / MS5.
RSGB	7182.0	1700	30,31	08	RUS	L2PN	F1A		200	mark on 7181.9 most of time, occasional Morse
RSGB	7186.0	vt	07,08	08			J7D		2K70-E	USB 7184.0 / MS5
RSGB	10100.8	ady	dly	08	D	DDK9	F1B	50	450	For info: Primary user: WX broadcast
RSGB	14160.0	1828	19	08			F1B		250	
RSGB	18075.0	0855	11	08			F3N		20K0-E	FMCW OTHR
RSGB	18090.0	0733	02	08			F3N		20K0-E	FMCW OTHR

SRAL – Finland – OH2BLU (Pekka)

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	BAUD	SHIFT	REMARKS
SRAL	7000.0	1221-1800	*	8	RUS	UiMUX	PSK2	120	2600	Days: 3. 8. 15.
SRAL	7001.0	0810-0830/	15	8	RUS	UiMUX	PSK2	120	2600	
SRAL	7008.0	0415-1830	*	8	RUS	UiPTR	F1B		250	Days: 5. 10. 11. 13. 18.
SRAL	7010.0	0515-0710	2	8	RUS	UiMUX	PSK2	120	2600	
SRAL	7013.0	1755-1850	7 8	8	RUS	UiMUX	PSK2	120	2600	
SRAL	7014.0	'0820	13	8		UiPTR	F1B			
SRAL	7015.0	1010-1015/	8	8	RUS	M7A2	A1A			5F
SRAL	7016.0	0655-1240	4	8	RUS	UiMUX	PSK2	120	2600	
SRAL	7016.0	'0700	13	8		UiPTR	F1B			
SRAL	7018.0	1230	9	8	RUS	UiMUX	PSK2	120	2600	
SRAL	7020.0	1100-1850	17	8	RUS	UiPTR	F1B		250	
SRAL	7024.0	0630-0700	13	8		UiPTR	F1B		500	
SRAL	7025.0	/0530-0845	*	8		UiPTR	F1B		200	Days: 4. 5. 6. 30. spur. + / - 2.6 kHz
SRAL	7032.0	'0630	13	8		UiPTR	F1B		1000	
SRAL	7034.0	1645	15	8		UiPTR	F1B		250	
SRAL	7048.5	1140	22	8		UiCW	A1A			5L
SRAL	7055.0	1150	31	8		UiPTR	F1B		250	
SRAL	7057.0	0820-1800	*	8	RUS	UiMUX	PSK2	120	2600	Days: 5. 22. 29.
SRAL	7060.0	1230-1300	14	8	RUS	UiMUX	PSK2	120	2600	
SRAL	7079.0	1700-1800	29	8		UiPTR	F1B		200	
SRAL	7081.0	0515-1655/	8 29	8	RUS	UiMUX	PSK2	120	2600	
SRAL	7103.0	-1001/	30	8		UiMUX	PSK2	120	2600	
SRAL	7110.0	0625-1910	*	8	RUS	UiPTR	F1B/ N0N		200/250	Days: 3. 9. 10. 31.
SRAL	7112.0	1310	23	8	RUS	UiMUX	PSK2	120	2600	
SRAL	7118.0	0600-1830	*	8	RUS	UiMUX	PSK2	120	2600	Days: 20. 26. 31.
SRAL	7120,0	0330-0530/	*	8	SOM	R.Hargeisa	A3E			Days: 1. - 26.
SRAL	7120,0	1300-1400/	*	8	SOM	R.Hargeisa	A3E			Days: 1. - 26.
SRAL	7120.0	1500-1900	*	8	SOM	R.Hargeisa	A3E			Days: 1. - 26.
SRAL	7122.0	0530-1900	*	8	RUS	UiPTR	F1B		250	Days: 12. - 17.

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	BAUD	SHIFT	REMARKS
SRAL	7130.0	0450-1530	*	8	I	UiMUX	PSK8A		2400	Days: 18. 19. 20. 21.
SRAL	7138.0	0400-1930	2 4	8	RUS	UiPTR	F1B		200	
SRAL	7140,0	0245-0530	*	8	ERI	VoBME	A3E			Days: 1. - 24.
SRAL	7140,0	1340-1835/	*	8	ERI	VoBME	A3E			Days: 1. - 24.
SRAL	7149.0	1140-1405	22	8		UiCW	A1A			5BL
SRAL	7152.5	0910-0930/	15	8	RUS	UiPTR	F1B		250	
SRAL	7158.0	0800-1000	13	8		UiPTR	F1B		250	
SRAL	7159.0	0550-1840	*	8	G	UiLINK11	B7D			BW 5k9, days: 20. 21. 22. 25.
SRAL	7163.0	0630-1555/	13 15	8	RUS	UiPTR	F1B		250	
SRAL	7168.0	'0420	11	8		UiPTR	F1B		250	
SRAL	7168.0	-1417/	30	8		UiCW	A1A			5F
SRAL	7169.0	0710-0810	13	8		UiPTR	F1B		250	
SRAL	7169.0	0530-1310	10 17	8		UiPTR	F1B		250	
SRAL	7170.0	0320-0345	2	8	RUS	UiMUX	PSK2	120	2600	
SRAL	7176.0	1115-1900	*	8	RUS	UiPTR	F1b		250	Days: 3. 19. 20.
SRAL	7178.5	1310-1805	22 30	8		RYAM	A1A			5F
SRAL	7179.0	1530-1610	6	8	RUS	UiMUX	PSK2	120	2600	
SRAL	7181.9	0230-1900	*	8	RUS	RDL	F1B/A/ N0N		200	Days: 13. - 25. 30. 31.
SRAL	7184.0	1000-1625/	*	8	RUS	UiMUX	PSK2	120	2600	Days: 20. 21. 25.
SRAL	7186.0	0330-1930	*	8	RUS	UiMUX	PSK2	120	2600	Days: 7. 8. 9.
SRAL	7187.0	0600-0630	25	8		UiPTR	F1B		250	
SRAL	10 MHz			8		UiOTHR	FMCW			25/50Hz ,20 kHz (WebSDR 4d)
SRAL	14008.0	0750-1105	1 5	8		UiPTR	F1B/ N0N		250	
SRAL	14108.0	0730-1230	*	8		W4L6 etc.	A1A			Days: 4. 6. 7. 9. 10. 12. 14. 23. 28. 30. 5BL
SRAL	14116.0	0530-1630	10	8	RUS	UiPTR	F1B		250	
SRAL	14118.0	0545-0750/	1	8		UiPTR	F1A/B/ N0N		250	5BL
SRAL	14118.0	'0730	4	8		UiCW	A1A			5BL
SRAL	14159.9	0550-0755	23	8		UiCarr	N0N			
SRAL	14160.0	0530-1215	*	8	RUS	UiPTR	F1B		250	Days: 7. 23. 24.
SRAL	14171.0	'0810	13	8	RUS	UiMUX	PSK2	120	2600	
SRAL	14192.0	0530-1400	*	8	RUS	UiPTR	F1B		200	Days: 4. 5. 7. 13. 18.
SRAL	14208.8	1250-1345/	24	8		UiCarr	N0N			
SRAL	14221.0	0230-0600/	dly	8	KGZ	UiPTR	F1B		200	
SRAL	14292.0	0650-0810	5 13	8		TUEC	A1A			
SRAL	18 MHz	0630-1230	*	8	CYP	UiOTHR	FMCW			25/50Hz / 20 kHz, days: 11. 13. 18. 27. (WebSDR

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	BAUD	SHIFT	REMARKS
										12d)
SRAL	18080.0	'0740	18	8	TWN	RFA	A3E			
SRAL	18080.0	1245-1300	19	8		UiOTHR	FMCW			12.5Hz / 40 kHz
SRAL	21 MHz	0630-0915	2 11	8	CYP	UiOTHR	FMCW			25/50Hz / 20 kHz, (WebSDR 4d)
SRAL	21438,0	0830-1300	*	8	RUS	RCV	A1A			Days: 14. 18. 25.
SRAL	24 MHz			8		UiOTHR	FMCW			(WebSDR 0d)
SRAL	28 MHz			8	IRN	UiOTHR	FMCW			307 & 870 Hz / 60 kHz. jumping
SRAL	28860.0	0515-1810	*	8	IRN	UiOTHR	FMCW			150 & 313 Hz / 60 kHz. Days: 2. 3. 7. 9. 10. 12. 10. 27.
SRAL	28 MHz			8		UiOTHR	FMCW			25/50Hz / 20 kHz (WebSDR 0d)
SRAL	28 MHz	0800-1810	*	8	RUS	Taxi disp.	F3E			Days: 2. 3. 20. 25. 27. 31 reports

URE – Spain – EB1TR (Fabian) – EA6AMM (Gaspar)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
URE	3528	22:21	21	8	E/MM		J3E-USB			Two Spanish fishermen talking. Galician language.
URE	5363,8	19:58	23	8			PSK8A		2400	STANAG 4285 Legal
URE	7032,17	6:18	20	8	RUS		unid			Pulsing carrier, Sevastopol
URE	7047,5	7:10	10	8			PSK2A	120	2600	AT3004D bursts
URE	7053,5	7:01	10	8			PSK2A	120	2600	AT3004D bursts
URE	7055	VT	VD	8	RUS		J3E			Relayed BC
URE	7122	19:49	12	8	RUS		F1B	75	250	Moscow
URE	7130,7	19:44	17	8	I		PSK8A	2400	2400	STANAG 4285, Rome.
URE	7159	16:32	15	8						Link11 CLEW DSB.
URE	7162	6:58	13	8	RUS		F1B	75	250	Moscow.
URE	7169	7:18	13	8	RUS		PSK2A	120	2600	AT3004D Moscow.
URE	7173	19:05	29	8			PSK2A	120	2600	AT3004D modem idle and submode idle.
URE	7176	19:00	19	8	RUS		F1B	75	250	Moscow.
URE	7181,9	5:48	25	8			N0N			Carrier.
URE	7186	6:08	8	8	RUS		PSK2A	120	2600	AT3004D Severomorsk .
URE	7187,5	5:47	25	8			F1B		200	
URE	10103	20:35	10	8			J3E			2 unid persons chatting.
URE	10108	VT	VD	8	RUS		F1B	50	200	CIS50-50, Moscow.
URE	10114,8	VT	VD	8	RUS		F1B	100	100	CIS14 , Moscow.
URE	10117	7:29	17	8			PSK2A	120	2600	AT3004D.
URE	10130	20:20	23	8			J3E USB			Unid persons chatting. Arabic dialect.
URE	14008	6:51	10	8	RUS		F1B	50	250	Moscow.
URE	14017,7	7:18	3	8			N1N			Carrier.
URE	14113,5	7:31	17	8			F1B	600	600	DPRK-FSK600 system.
URE	14116,3	7:10	18	8			F1B	600	1200	DPRK-FSK 1200 System.
URE	14119	6:52	10	8	RUS		F1B	50	250	Moscow.
URE	14120	7:19	3	8			PSK2A	120	2600	AT3004D.

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
URE	14160	15:14	19	8			F1B		250	
URE	14192	VT	VD	8	RUS		F1B	50	200	RUS Navy, Kaliningrad.
URE	14221	21:56	13	8	KGZ		F1B	50	200	Kyrgyzstan – Bishkek
URE	14320	14:34	22	8	E/MM		J3E			Spanish fishermen chatting. Long lasting. Galician language.
URE	14324	6:55	7	8			F1B		200	
URE	18068	7:00	18	8					20 K	OTH Radar 18068 to 18080 KHz.
URE	18068	6:43	19	8					20K	OTH Radar 18068 to 18070 KHz.
URE	21025	5:41	23	8						OTH Radar from 21025 to 21045 KHz.
URE	21375	6:30	10	8						OTH Radar.

USKA – Switzerland – HB9CET (Peter)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH (BW)	DETAILS
80m band informational only! - Amateur co-primary										
USKA	3527.0	2144	09	08			F1B	50	200	almost daily
USKA	*3585.0*	*1902*	*03*	*08*			*J3E-U*			Spanish fishery; voice scrambler CR 2001"
USKA	3744.8	2033	08	08			G1D PSK8	2400	2k7	MIL 188-110A mod (Hybrid), preamble 4 tones, PSK4 75Bd 450Hz spacing often
USKA	7000.0	0929	12	08			?		appx 4k	unident digital signal
USKA	7000.0	0949	14	08			N0N			long lasting carrier
USKA	7006.0	0816	01	08			J3E-L		*2k3*	English
USKA	7060.0	0940	14	08			J7D	12x120	2k7	BPSK; CIS12
USKA	7084.8	0744	10	08			F1B	50	500	DF TDoA: Agglomeration Moscow
USKA	7110.0	2052	09	08			F1B	50	200	
USKA	7112.0 VFO LSB	2054	09	08			BPSK	30x60Bd	ca 2k6	Burst system; tone spacing 75 Hz. Preamble 4x PSK4 60Bd, spacing 600Hz; Pilottone at 450Hz
USKA	7120.0	1659	07	08	SOM		A3E			BC; Radio Hargaysa almost daily
USKA	7120.0	0947	14	08			J7D	12x120	2k7	BPSK; CIS12
USKA	7122.0	2221	12	08			F1B	75	250	often
USKA	7122.0	0944	14	08	RUS		F1B	75	250	
USKA	7130.6	2114	17	08			G1D PSK8P	2400	2k4	STANAG 4285; 600 bps/long DF TDoA: Tyrrhenian Sea / Italy
USKA	7138.0	0948	02	08			F1B	75	200	DF TDoA: Baltic Sea
USKA	7140.0	1655	07	08	ERI		A3E		~ 9k	BC often
USKA	7159.0 LSB +USB	2147	21	08			B7D DQPSK	14x75	5k9	LINK 11 CLEW DSB Mode
USKA	7169.0	0801	13	08			J7D	12x120	2k7	BPSK; CIS12
USKA	7186.0	1451	07	08	RUS		J7D	12x120	2k7	BPSK; CIS12 often DF: Aera of Murmansk / Severomorsk
USKA	14008.0	0951	02	08			F1B	50	250	
USKA	14113.5	0740	17	08			F1B	600	600	ARQ often
USKA	14116.0	0752	10	08			F1B	50	250	
USKA	14118.0	0720	12	08			A1A	80 bpm		Groups of five, encrypted
USKA	14160.0	1524	19	08			F1B	75	250	DF TDoA: Region of Moscow often
USKA	14192.0	0953	02	08			F1B	50	200	almost daily
USKA	14261.0	0953	14	08			OFDM60	30	~2k7	spacing 44.45Hz; pilottone @ 3300Hz
USKA	14297.5	1713	07	08	RUS ?		unid		4k	unidentified digital signal. Presumably agglomeration Moscow ?

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH (BW)	DETAILS
USKA	18070.0	0950	11	08			FMCW		20k	OTHR
USKA	18080.0	0703	15	08	TWN		A3E		~15k	BC; Chinese almost daily Sound of Hope

Veron – Netherlands – PG1R (Ruud)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
VERON	3527,0	2013	08	08		UiPTR	F1B		Revs
VERON	3792,0	2010	04	08		UiPTR	F1B		Ptr
VERON	7020,0	18.35	17	08		UiPtr	F1B		Ptr
VERON	7055,0	1941	14	08	UKR		J3E-l		Patriotic speech; loc West Ukraine; S9
VERON	7055,0	1236	15	08	UKR/RUS		J3E-l		Political comments; S6
VERON	7055,0	1431	19	08	UKR/RUS		J3E-l		Patriotic music; S8
VERON	7102,0	18.37	16	08	CIS	ZZU	A1A		1/NO ZZD 4555 2x times K
VERON	7122,0	18.31	16	08	RUS	UiPtr	F1B		Ptr
VERON	10108,0	1154	28	08	RUS	UiPtr	F1B	200	S3; loc NE of Moscow
VERON	10139,0	1243	14	08	CYP	UiRadar	FMCW	20k	50sps; loc Cyprus; S4 QSB
VERON	14008,0	0959	02	08	CIS	UiPTR	F1B		Carrier/Revs/Ptr also 12/8 09.30 UTC
VERON	14008,0	10.14	02	08	RUS	UiPtr	F1B	200	Ptr
VERON	14064,0	0932	19	08		UiPTR	F1B		Ptr
VERON	14108,0	0602	11	08	RUS	J2KD	A1A		BJQK DE J2KD QRO K
VERON	14108,0	0955	11	08	CIS	D2WD	A1A		KAGF de D2WD 697 43 11 1248 697 = 452 = MMMMM 5BL
VERON	14108,0	1033	13	08	CIS	J2KD	A1A		Calls to: BJQK D3ML
VERON	14108,0	1004	14	08	CIS	UiCW	A1A		Y1CQ ZUH ZIY ZTX AR
VERON	14108,0	1010	14	08	CIS	J2KD	A1A		3LYM de J2KD QYD ? Calls to: KAGF CIIM D2MN BJQK D3ML
VERON	14108,0	1028	14	08	CIS	J2KD	A1A		J2KD 553 46 14 1246 553 = 887 = MMMMM 5BL
VERON	14108,0	1036	14	08	CIS	D2WD	A1A		D2WD QYT6 K
VERON	14108,0	0957	15	08	CIS	UiCW	A1A		QTC 143 38 15 1246 143 = ZKJ 609 = MMMMM 5BL ending 545 rpt al K
VERON	14108,0	1159	22	08	CIS	YBTL	A1A		YBTL R 612 ? Calls to: M3YA PMP1 AB6K 2HPX ON8Q
VERON	14108,0	0752	24	08	RUS	WEGI	A1A		XXX WEGI 65386 31590 68233 (etc)
VERON	14108,0	0756	24	08	RUS	WEGI	A1A		XXX WEGI 08187 73259 18489 STYKODEK 7163 1584 (rpt + K)
VERON	14108,0	1132	27	08	CIS	YBTL	A1A		ON8Q dwe YBTL QSV QRO K
VERON	14108,0	1203	28	08	CIS	YBTL	A1A		PMP1 de YBTL 756 42 28 1248 756 = 518 = MMMMM 5BL
VERON	14108,0	0953	01	08	RUS	WPGS	A1A		DUGI DE WPGS QTC ZPO K
VERON	14108,0	0959	01	08	RUS	WPGS	A1A		WPGS 660 38 1 1246 660 BT ZPO 740 BT MMMMM (etc) 5BL. Ends 113 k
VERON	14108,0	1009	01	08	RUS	WPGS	A1A		SPTO DE WPGS QTC K
VERON	14108,0	0930	02	08	CIS	WEGI	A1A		XXX WEGI 33468 KRaaKOLAG 5364 4209 K
VERON	14108,0	1000	08	08	CIS	UiCW	A1A		5BL
VERON	14108,0	1010	08	08	CIS	WPGS	A1A		WPGS 221 43 8 1302 221 = 667 = MMMMM 5BL ending 072 rpt al K
VERON	14108,0	1015	08	08	RUS	WPGS	A1A		SPTO 569 50 1 1306 509 BT 750 BT MMMMM (etc) 5BL. Ends 113 K
VERON	14108,0	1004	09	08	CIS	WPGS	A1A		IPSJ de WPGS QBE QYT6 K
VERON	14108,0	1006	09	08	CIS	WPGS	A1A		WPGS ZEV ZOT ZVJ QYT6 K
VERON	14108,0	1008	09	08	CIS	WPGS	A1A		DUGI de WPGS ZRW ZGO ZRQ QYT9 K

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
VERON	14108,0	1012	09	08	CIS	WPGS	A1A		WPGS 093 46 9 1302 093 = 963 = MMMMM 5BL
VERON	14108,0	0806	24	08	RUS	SXBV	A1A		XXX SXBV 59978 185 BT DDDDD (etc 5BL)
VERON	14116,0	0904	10	08		UiPTR	F1B		Ptr also 19/8 09.31 UTC
VERON	14116,0	1148	10	08	RUS	UiPtr	F1B	250	Loc nr Moscow
VERON	14118,0	0917	10	08	CIS	9AME	A1A		9AIE QRR3 K
VERON	14118,0	0930	10	08	CIS	9AME	A1A		1CWU de 9AME 779 34 10 1226 779 = ZJF 676= 5BL
VERON	14118,0	0934	10	08	CIS	9AME	A1A		1CWU de 9AME 323 34 10 1233 323 = ZUK 676 = 5BL
VERON	14118,0	0940	11	08			A1A		5BL
VERON	14118,0	1026	13	08	CIS	MTDH	A1A		XVOD de MTDH 926 34 13 1322 926 = ZQN … = 5BL
VERON	14118,0	1032	13	08	CIS	MTDH	A1A		XVOD de MTDH 158 34 13 1327 158 = ZYD 095 = 5BL
VERON	14118,0	0632	24	08	?	MTDH	A1A		XVOD DE MTDH QTC MTDH 984 34 11 0928 94 BT ZKV 986 BT (5BL) Ends: 246 RPT AL QLN K
VERON	14118,0	0652	24	08	?	SW3J	A1A		VVV 6NON DE SW3J calls
VERON	14118,0	0703	24	08	?	SW3J	A1A		SW3J 196 34 24 0955 169 BT ZMW 961 BT FKITA (etc 5BL)
VERON	14118,0	12.01	29	08	CIS	UiCW	A1A		5F KJHUT RTEBA VTMYG LDOCT pvyrx
VERON	14160,0	0935	19	08		UiPTR	F1B		Ptr
VERON	14160,0	10.38	21	08	RUS	UiCAR	NON		Carrier
VERON	14160,0	11.00	21	08	RUS	UiPtr	F1B		Ptr
VERON	14160,0	1256	24	08	RUS	UiPtr	F1B	250	S9; not located
VERON	14192,0	0924	03	08	CIS	UiPTR	F1B		Revs/Ptr also 8/8 10.07 UTC
VERON	14240,0	0952	15	08		UiPTR	F1B		Ptr
VERON	14292,0	0910	05	08	CIS	TUEC	A1A		C1LG de TUEC Calls
VERON	21168,5	1237	17	08			Car	900	2 carriers, separated 900Hz; DPRK?
VERON	21170,0	1121	03	08	CYP	UiRadar	FMCW	20k	25 sps; Loc Cyprus; S5 QSB
VERON	21438,0	0801	08	08	RUS	RCV	A1A		RMU59 DE RCV proc
VERON	21438,0	0810	10	08	RUS	RCV	A1A		RIR96 DE RCV proc
VERON	28077,0	1250	01	08		UiRadar	FMOP	20k	10sps; S4; not located

The monitoring team of IARU Region 1

credits:

Wavecom Elektronik – Buelach – Switzerland

All our friends and contributors worldwide!

Many thanks for your interest!

compiled and published by DK2OM - September 2018