



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

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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) ++ PTTs: BAKOM (Swiss) ++ OFCOM (UK) ++ Dutch AT ++ Austrian PTT ++ German BNetzA Konstanz

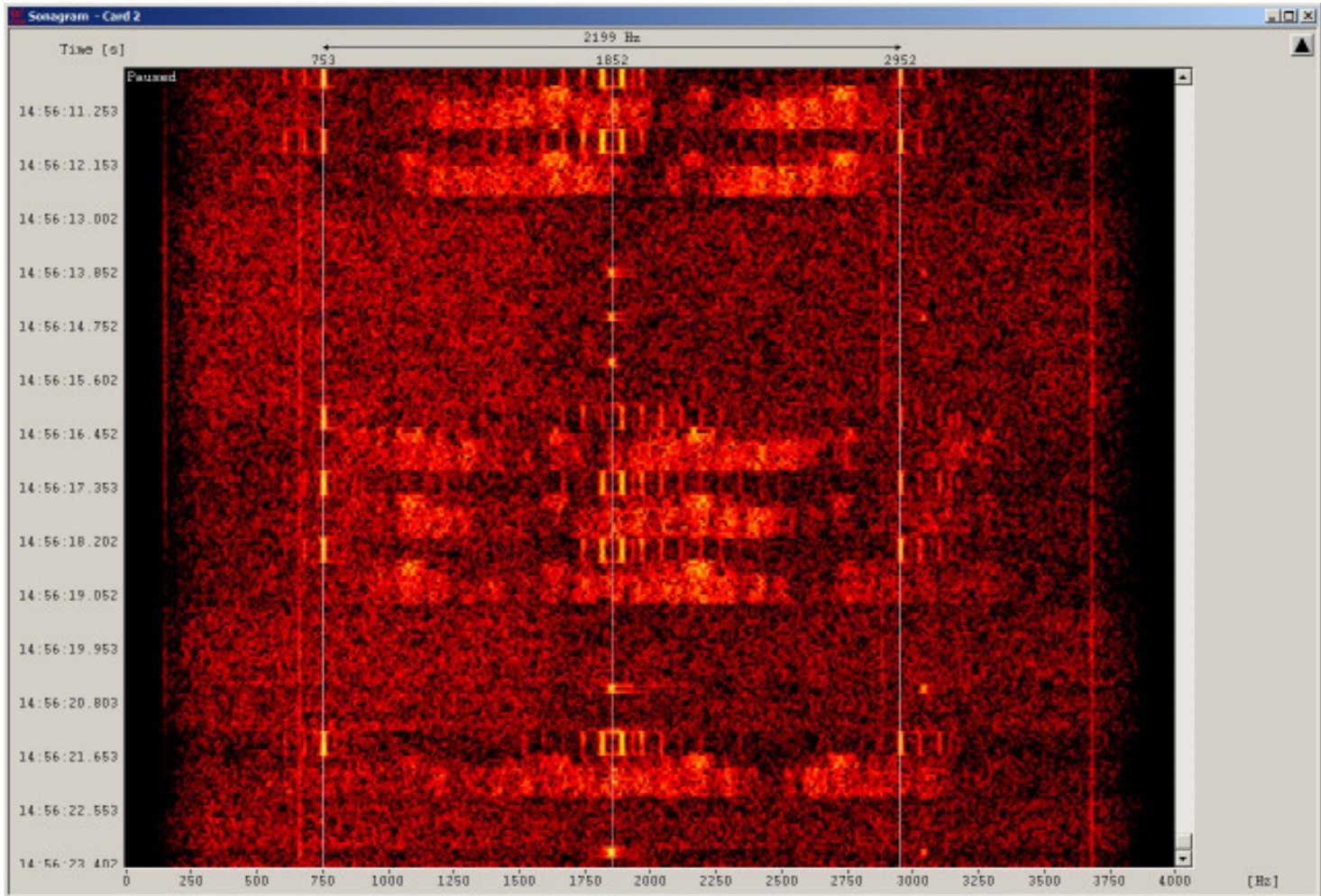
Part 1: News and Infos

1. Chinese system PRC16 on 14 MHZ

The Chinese system PRC16 was sometimes audible on 14200.0 kHz RF.

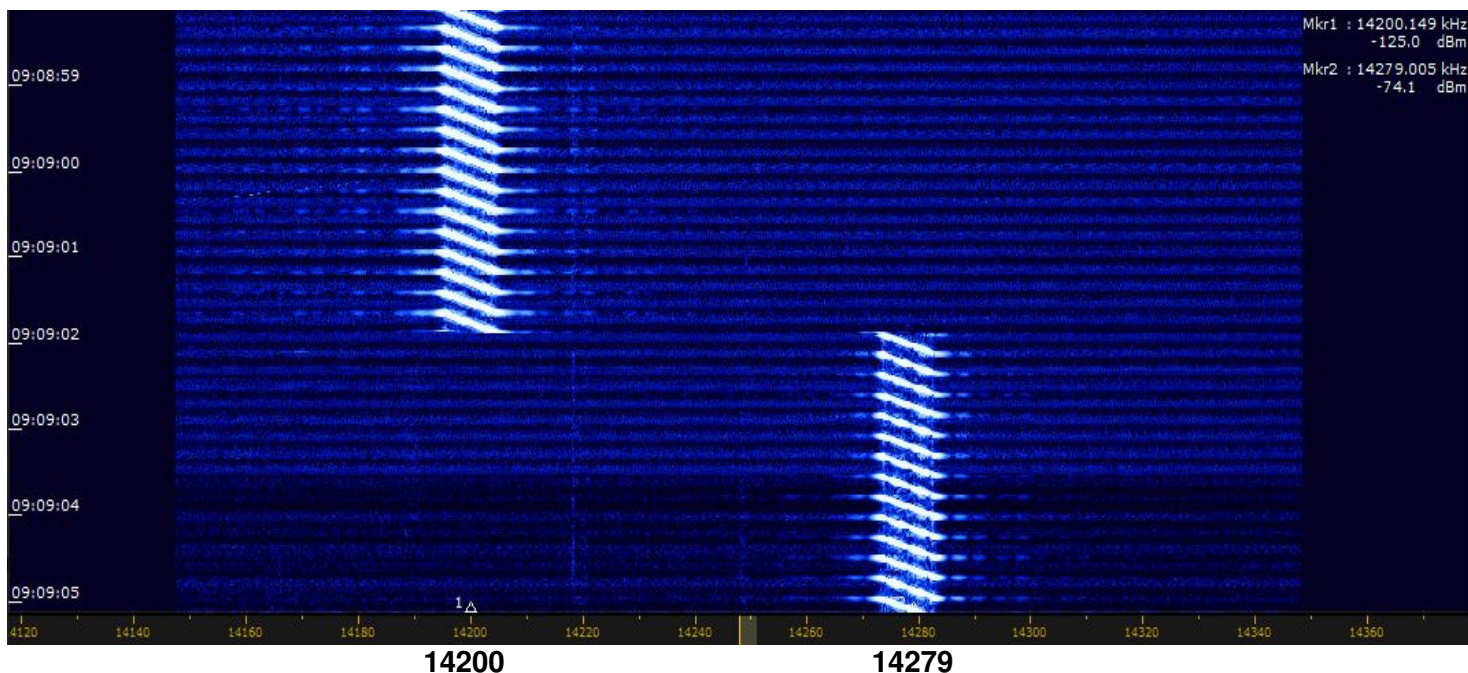
Parameters: PSK2A - 16 x 75 Bd – 2200 Hz shift – location: area of Shanghai – purpose unknown

screenshot: DK2OM with W-Code



2. Chinese OTH radars “foghorn” on 14 MHz

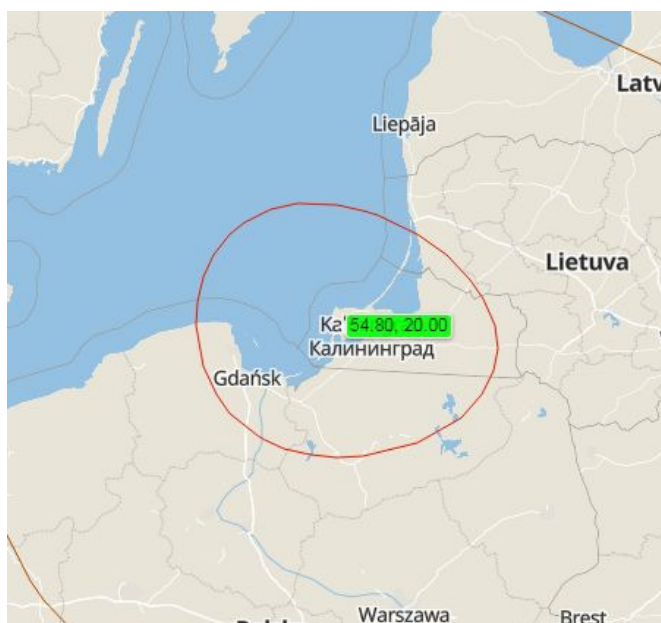
Chinese OTH radars were often active on 14 MHz on FMOP bursts with 50 sps or 66.66 sps and 10 kHz wide and jumping - **screenshot:** jumping foghorns with 66.66 sps on 27 April at 0905 utc



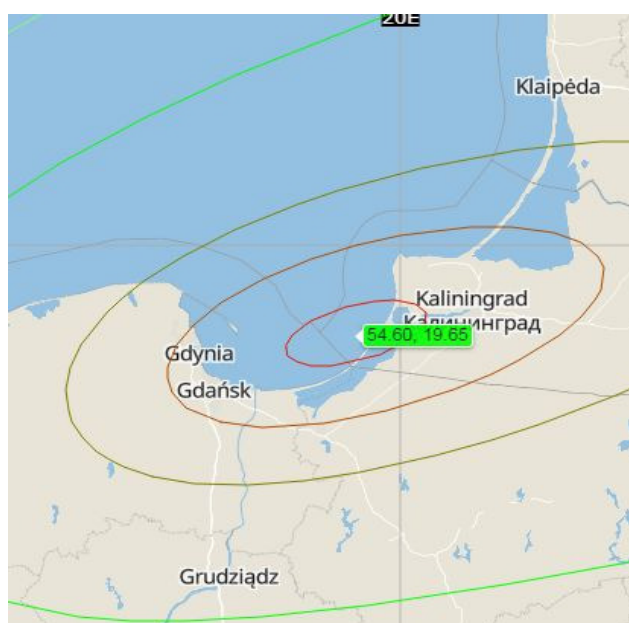
3. Chinese OTH radars on 21 MHz

I found several Chinese OTH radars on 21 MHz on FMOP as bursts (48, 50 and 66.66 sps) on 19 April. Observe the entries in my table.

4. TDoA bearings



Russian F1B on 7137.0 kHz – Kaliningrad - 16 April



RUS AT3004D – 7198.7 – 7201.3 kHz – Kalinin. - 26 April

5. Russian system AT3004D on 7200 kHz

A Russian system AT300D (aka CIS 12) appeared again on 7198.7 – 7201.3 kHz for several days. Parameters: 12 x 120 Bd – PSK2A – 2600 Hz wide – location: Kaliningrad
The German BNetzA Konstanz was informed.

6. LINK11-CLEW on 7159 kHz

We found a LINK11-CLEW on 7159.0 center QRG. Parameters: DSB-mode (both sidebands – 5800 Hz wide), PSK4, 75 Bd – location: south-west of Ireland – probably a MIL vessel

7. 14000.0 kHz - USB – Brazilian pirates

Brazilian pirates were abusing 14000.0 kHz on USB every evening. (Rio with NO Brazil)

8. 5350.0 kHz - USB – Spanish fishery again

Spanish fishermen were again on air with illegal traffic on 5350.0 kHz on USB. This range is not assigned to maritime traffic! The signals were splattering up to 5352.4 kHz.

9. 14221.0 kHz - F1B – no change (KGZ?)

F1B with 50 Bd and 200 Hz shift – location probably Bishkek – active since several years
The German BNetzA Konstanz was informed.

10. 14192.0 kHz – F1B - Kaliningrad

The Russian MIL was sometimes transmitting on F1B on 14192.0 kHz on F1B, mostly using 50 Bd and 200 Hz shift.

11. 7 MHz – Codan Selcalls

We observed again Codan Selcalls on 7 MHz in the evening hours. Parameters: 100 Bd – 170 Hz shift
Location: possibly Australia, but unconfirmed – anyway from Far East

12. Miscellaneous news:

5350.0 kHz – USB splattering up – Spanish fishermen – often in the evenings

7120.0 kHz – A3E – Radio Hargeisa off in April 2019

7140 and 7180 kHz – A3E – Radio Eritrea without QRM (German PTT informed)

14295.0 kHz – harmonic from Radio Tajik on 4765 kHz (no change regardless many complaints)

13. Homepage IARU Region 1

<http://www.iaru-r1.org/>

Homepage IARUMS Region 1

<http://www.iarums-r1.org>

Homepage IARUMS Region 2

<http://www.iarums-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

DARC – 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	2112	08	04	RUS		USB LSB			14 tones – hyperbolic radio navigation system – BRAS-3/RS-10 – Kaliningrad
DK2OM	1855,0	vt	vd	04	I	IQP	USB			San Benedetto Radio, weather reports - daily
DK2OM	1925,0	vt	vd	04	I	IPL	USB			Livorno Radio, weather reports - daily
DK2OM	3503,5	vt	dly	04	G	no ITU	FSK8	125	1750	ALE – British MIL Tascomm – shared band - legal!
DK2OM	3520,0	1930	18	04	E		USB			Spanish fishery
DK2OM	3525,0 RF	2000	29	04	F		PSK4	75	2300	LINK11-CLEW – area of Marseille – legal!
DK2OM	3527,0	2000	dly	04	RUS		F1B	50	200	Severomorsk - daily
DK2OM	3527,0	1945	16	04			PSK2A	12	2600	AT3004D – submode idle – St. Peterburg
DK2OM	3531,0	---	--	04	RUS	REA4	N0N			unclean carrier - RUS airforce Moscow, ident: full hour + 40 min - daily
DK2OM	3532,0	---	--	04	F		PSK4	75	5800	LINK11-CLEW on both sidebands (5800 Hz wide) – area of Brest – legal!
DK2OM	3535,0	1935	04	04	E		USB			Spanish fishery
DK2OM	3550,0	0630	dly	04	F		A3E			French amateurs not respecting bandplans – every morning
DK2OM	3550,7	---	--	04	ISR		PSK4 PSK8	75 2400	2400 2400	hybrid modem – ISR Navy – PSK4 parallel and PSK8 serial – shared band!
DK2OM	3553,8	ady	dly	04	TUR		PSK8A	2400	2400	Stanag4285 – 600 bps long -TUR MIL - Ankara – daily, all day - legal operation
DK2OM	3580,0 RF	2050	22	04	TUR		PSK8A	2400	2400	Stanag-4285 – 600 bps long – Ankara – shared band!
DK2OM	3585,0	ady	dly	04	TWN	HLL	F1C		800	WX-fax Taiwan - 120 rpm, IOC 576 - daily, all day - legal!
DK2OM	3586,0	vt	dly	04	HOL		PSK2A	40	40	Amsterdam - daily
DK2OM	3622,5	ady	dly	04	J	JMH	F1C		800	Tokyo Meteo – 120 rpm – IOC 576 – daily, all day - legal!
DK2OM	3756,0	1800	dly	04	RUS		USB			RUS MIL – channel marker – Tuapse – East Black Sea – night QRG
DK2OM	5350,0	1930	18	04	RUS		FMOP		50k	Russian coastal radar “Sunflower” – 43 sps – 5350 – 5400 kHz - Makhachkala
DK2OM	5350,0	1950	17	04	E		USB		2400	5350.0 – 5352.4 kHz - Spanish fishery splattering up – very

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
										often in the evenings
DK2OM	5359,0 RF	1840	30	04	TUR		PSK8A	2400	2400	LINK11 – SLEW – Turkey - area of Denizli - primary user!
DK2OM	5360,5	---	--	04	RUS		F1B	50	200	Moscow - legal
DK2OM	5361,8 RF	---	--	04	DNK	OUA15	PSK8A	2400	2400	Stanag-4285 – 600 bps long – assigned to Danish Navy Aarhus - legal – primary user !
DK2OM	5362,0	1744	20	04	RUS		PSK2A	120	2600	AT3004D – area of Moscow – primary user!
DK2OM	7000,0	vt	dly	04	INS		LSB USB			Indonesian pirates - singing and playing music - daily
DK2OM	7000,0	1916	10	04	FEa		USB			Far East pirates
DK2OM	7000,0	1830	14	04	I		USB			Italian pirates – engine noise
DK2OM	7001,0	---	--	04	MRC		LSB			Moroccan fishery
DK2OM	7003,0	2000	02	04	CHN		FMOP		40k	Chinese OTH radar – 10 sps – 7003 – 7043 kHz
DK2OM	7005,0	vt	dly	04	INS		LSB			Indonesian pirates
DK2OM	7008,0	---	--	04	RUS		FMOP		103k	coastal radar „Sunflower“ – 43 sps – 6905 – 7008 kHz – E. of Vladivostok
DK2OM	7010,0	vt	dly	04	INS		LSB			Indonesian pirates
DK2OM	7012,0	1527	25	04	CHN		FMOP		160k	Chinese wideband OTH radar – 20 sps – 7012 – 7172 kHz
DK2OM	7013,3 RF	1850	22	04					3200	unid digital signal similar to white noise
DK2OM	7015,0	vt	dly	04	INS		LSB			Indonesian pirates – male and female voices
DK2OM	7016,0	2027	12	04	RUS		F1B	50	200	DF not possible – too many CW
DK2OM	7020,0	vt	vd	04	ALB		FSK8	125	1750	ALE, “CS004A” “RS004D” “CS004” - daily
DK2OM	7025,0	vt	dly	04	INS		LSB			Indonesian pirates singing
DK2OM	7035,0	vt	dly	04	INS		LSB			Indonesian pirates singing
DK2OM	7039,2	1905	10	04	RUS	„F“	A1A			Cluster beacon „F“ - Vladivostok RUS Navy - “ RJS ”
DK2OM	7039,3	1904	10	04	RUS	„K“	A1A			Cluster beacon “K” Petropavlovsk Kamchatskiy - RUS Navy - Pacific fleet - “ RCC ”
DK2OM	7039,4	2134	01	04	RUS	„M“	A1A			Cluster beacon „M“ – Magadan RUS Navy – „ RTS “ - daily
DK2OM	7050,0	vt	dly	04	KGZ		FSK8	125	1750	ALE, “X” “810” “820615” “810698” – Kyrgyzstan MIL
DK2OM	7055,0	vt	dly	04	UKR		LSB			music and Russian voices
DK2OM	7070,0	---	--	04	GEO		FSK8	125	1750	ALE, „20001“ „10003“ „2201“ „2203“ „686“ „288“ „220“ „571“
DK2OM	7088,8	---	--	04	S	SL0FRO	A1A			7088.820 kHz - cw-trainee, Sweden - SL0FRO - just for info!
DK2OM	7089,8	---	--	04	TUR		PSK8	2400	2400	Link11 - SLEW – aircraft ? west of Izmir
DK2OM	7104,8	1938	11	04	FEa		F1B	100	170	Codan-Selcall - „0023“ „10001“
DK2OM	7107,8	1848	08	04	RUS		F1B	100	170	Codan-Selcall – „1111“ „4784“
DK2OM	7110,0	0952	25	04	RUS		F1B	75	200	Kaliningrad
DK2OM	7110,8	1922	23	04	FEa		F1B	100	170	Codan-Selcall – „906“ „2222“ „0535“ „0543“
DK2OM	7113,8	1930	23	04	FEa		F1B	100	170	Codan-Selcall – „3333“ „2319“ „2173“
DK2OM	7125,8	2047	25	04	FEa		F1B	100	170	Codan-Selcall – idents: „0001“ „0004“ „0501“ „2000“ „0068“
DK2OM	7131,8	1822	06	04	FEa		F1B	100	170	Codan-Selcall – „0022“ „10001“
DK2OM	7137,0	vt	dly	04	TWN		FSK8 LSB	125	1750	ALE, MIL-188-141A, “FBABA” “FWKMB” “FXIBY” “FCPSL” “FHKHD” “FVIKE” “FHVWY” “FCUGP” “FDRRK” “FWIML” “FBQCY” “FCEAX”

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
										Taiwanese navy
DK2OM	7137,0	1933	16	04	RUS	RDL	F1B	50	200	Kaliningrad – RUS navy
DK2OM	7140,0	1827	dly	04	ERI		A3E		9k	7140.024 kHz - Radio Eritrea
DK2OM	7143,8	1950	18	04	FEa		F1B	100	170	Codan-Selcall – idents: „8888“ „7974“ „3105“
DK2OM	7158,8	1840	06	04	FEa		F1B	100	170	Codan-Selcall – „2222“ „8596“ „5486“ „0022“ „10001“
DK2OM	7159,0 RF	1609	29	04	area of IRL		PSK4	75	5800	7159.0 kHz center - LINK11-CLEW on both sidebands (5800 Hz wide)
DK2OM	7161,8	2000	04	04	FEa		F1B	100	170	Codan-Selcall – „2222“ „6900“ „0022“ „9457“ „10001“
DK2OM	7180,0	1526	dly	04	ERI		A3E		9k	7180.022 kHz - Radio Eritrea
DK2OM	7193,0	---	--	04	RUS	RDL	F1B	50	200	CIS36-50 - Kaliningrad
DK2OM	7197,0	vt	dly	04	TUR		FSK8	125	1750	ALE, „353013“ „334018“ „314013“ - Turkish Sivil Avunma – Turkish Civil Defense
DK2OM	7200,0	---	--	04	MMR		A3E		9k	Myanmar Radio
DK2OM	7200,0	0905	26	04	RUS		PSK2A	120	2600	AT3004D – 7198.7 – 7201.3 kHz – Kaliningrad
DK2OM	10100,8	ady	dly	04	D	DDK9	F1B	50	450	Baudot - German Weatherservice – legal!
DK2OM	10114,8	0640	dly	04	RUS		F1B	100	1000	CIS14 – Moscow
DK2OM	10130,0	ady	dly	04	RUS		F1B	50	500	area of Chita – daily, all day
DK2OM	10130,0	vt	vd	04			USB			French amateurs not respecting bandplans
DK2OM	10144,0	ady	dly	04	D	DK0WCY	A1A			10144.000 kHz - DK0WCY – German aurora beacon – just for info!
DK2OM	13998,0	1024	01	04	ISR?		FSK8	125	1750	ALE, „DD3“ „AA9“ - 13998.75 – 14000.50 kHz
DK2OM	14000,0	1635	01	04	FEa		USB			Far East pirates – east of Indonesia - daily
DK2OM	14000,0	2042	17	04	B		USB			Brazilian pirates – Rio with North Brazil
DK2OM	14000,0	1930	19	04			USB			unid pirates – roger beep with 3 tones – 220 deg from DL
DK2OM	14008,0	1010	08	04	RUS		F1B	50	250	Moscow
DK2OM	14043,0	0804	09	04	CHN		FMOP		10k	Chinese OTH radar – 66.66 sps – 3.8 sec bursts – „foghorn“
DK2OM	14044,0	1018	29	04	FEa		USB			Far East pirates
DK2OM	14090,0	0740	17	04	CHN		FMOP		40k	Chinese OTH radar – 10 sps – 14090 – 14130 kHz – long lasting
DK2OM	14100,0	---	--	04	F		A1A			„051“ loop – daily 1658 – 1710 utc – area of Ternant
DK2OM	14102,0	0949	16	04	CHN		FMOP		10k	Chinese OTH radar – 66.66 sps – 3.8 sec bursts – „foghorn“
DK2OM	14153,0	0859	06	04	CHN		FMOP		10k	Chinese OTH radar – 2 sec bursts - 67 sps – „foghorn“ jumping
DK2OM	14153,0	0953	16	04	CHN		FMOP		10k	Chinese OTH radar – 66.66 sps – 3.8 sec bursts – „foghorn“
DK2OM	14162,0	0950	01	04	RUS		FMOP		12k	OTH radar Contayner - 40 sps – north of Penza – long lasting
DK2OM	14172,0	0953	26	04	CHN		FMOP		10k	Chinese OTH radar – 50 sps – 5 sec bursts
DK2OM	14182,0	1000	23	04	CHN		FMOP		10k	Chinese OTH radar – 50 sps – 2.5 sec bursts
DK2OM	14192,0	vt	vd	04	RUS		F1B	50 75 50 100 100	500 500 200 500 200	RUS navy Kaliningrad - often
DK2OM	14194,0	0929	28	04	CHN		FMOP		160k	Chinese wideband OTH radar – 10 sps – 14194 – 14354 kHz
DK2OM	14195,0	0908	18	04	CHN		FMOP		10k	Chinese OTH radar – 66.66 sps – 3.8 sec bursts – „foghorn“

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DK2OM	14200,0 RF	0821	09	04	CHN		PSK2A	75	2200	PRC 16 tone modem – China – Shanghai
DK2OM	14200,0	0900	27	04	CHN		FMOP		10k	Chinese OTH radar – 66.66 sps – 3.8 sec bursts – „foghorn“
DK2OM	14217,0	1015	10	04	CHN		FMOP		10k	Chinese OTH radar – 3.8 sec bursts - 67 sps – „foghorn“ jumping
DK2OM	14220,0	0859	05	04	CHN		FMOP		10k	Chinese OTH radar – foghorn - 3.8 sec bursts - 66.66 sps – jumping
DK2OM	14220,0	0850	05	04	RUS		FMOP		12k	OTH radar Contayner - 40 sps – north of Penza – long lasting
DK2OM	14221,0	2003	26	04	KGZ		F1B	50	200	Bishkek – mostly idling - daily various times
DK2OM	14222,0	0830	12	04	CHN		FMOP		40k	Chinese OTH radar – 10 sps – 14222 – 14262 kHz – long lasting
DK2OM	14231,0	0826	03	04	CHN		FMOP		10k	Chinese OTH radar – 66.66 sps – 3.8 sec bursts – „foghorn“ - jumping
DK2OM	14234,0	0950	15	04	CHN		FMOP		10k	Chinese OTH radar – 66.66 sps – 3.8 sec bursts – „foghorn“
DK2OM	14235,0	0841	06	04	CHN		FMOP		10k	Chinese OTH radar – 2 sec bursts - 67 sps – „foghorn“ jumping
DK2OM	14237,0	0834	22	04	CHN		FMOP		10k	Chinese OTH radar – 66.66 sps – 3.8 sec bursts – „foghorn“
DK2OM	14243,0	0817	09	04	CHN		FMOP		10k	Chinese OTH radar – 66.66 sps – 3.8 sec bursts – „foghorn“
DK2OM	14245,0	0952	16	04	CHN		FMOP		10k	Chinese OTH radar – 66.66 sps – 3.8 sec bursts – „foghorn“
DK2OM	14246,0	0913	18	04	CHN		FMOP		10k	Chinese OTH radar – 66.66 sps – 3.8 sec bursts – „foghorn“
DK2OM	14253,0	0919	15	04	RUS		F1B	75	250	Saransk
DK2OM	14254,0	0949	26	04	CHN		FMOP		10k	Chinese OTH radar – 50 sps – 5 sec bursts
DK2OM	14255,0	1410	23	04	RUS		PSK2A	120	2600	AT3004D - Samara
DK2OM	14264,0	1018	24	04	CHN		FMOP		10k	Chinese OTH radar – 66.66 sps – 3.8 sec bursts – „foghorn“
DK2OM	14278,0	0903	27	04	CHN		FMOP		10k	Chinese OTH radar – 66.66 sps – 3.8 sec bursts – „foghorn“
DK2OM	14280,0	---	--	04	UKR		A3E			female voice with encrypted msgs – figures – “SZRU” = Foreign Intelligence Service of Ukraine in Rivne
DK2OM	14288,0	0952	15	04	CHN		FMOP		10k	Chinese OTH radar – 66.66 sps – 3.8 sec bursts – „foghorn“
DK2OM	14289,0	0830	07	04	CHN		FMOP		10k	Chinese OTH radar – 66.66 sps – 7.6 sec bursts – „foghorn“ – 14289 – 14290 kHz
DK2OM	14295,2	ady	dly	04	TJK		A3E/BC		9k	3rd from Radio Tajik on 4765 kHz – daily, all day
DK2OM	14302,0	0837	02	04	CHN		FMOP		40k	Chinese OTH radar – 10 sps – 14302 – 14342 kHz
DK2OM	14308,0	0948	15	04	CHN		FMOP		10k	Chinese OTH radar – 66.66 sps – 3.8 sec bursts – „foghorn“
DK2OM	14308,0	1020	24	04	CHN		FMOP		10k	Chinese OTH radar – 66.66 sps – 3.8 sec bursts – „foghorn“
DK2OM	14323,0	0922	09	04	CHN		FMOP		10k	Chinese OTH radar – 66.66 sps – 3.8 sec bursts – „foghorn“ - jumping
DK2OM	14323,0	0839	22	04	CHN		FMOP		10k	Chinese OTH radar – 66.66 sps – 1.9 sec bursts – „foghorn“
DK2OM	14329,0	0957	23	04	CHN		FMOP		10k	Chinese OTH radar – 66.66 sps – 3.8 sec bursts – „foghorn“
DK2OM	14333,0	0910	10	04	CHN		FMOP		10k	Chinese OTH radar – 3.8 sec bursts - 66 sps – „foghorn“ jumping

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DK2OM	14335,0	0917	09	04	CHN		FMOP		10k	Chinese OTH radar – 66.66 sps – 3.8 sec bursts – „foghorn“
DK2OM	14338,0	0810	03	04	RUS		FMOP		12k	OTH radar Contayner - 40 sps – north of Penza – long lasting
DK2OM	14345,0	1017	24	04	CHN		FMOP		10k	Chinese OTH radar – 66.66 sps – 3.8 sec bursts – „foghorn“
DK2OM	14348,5	vt	dly	04	THA	HSOZEA	A1A			HSOZEA beacon – 14348.488 kHz - every 5 minutes – daily - just for info!
DK2OM	18080,0	---	--	04	TWN		A3E/BC			Sound of Hope – Taiwan and Chinese BC jammer – daily at 06 utc and later
DK2OM	18107,0	---	--	04	RUS	RDL	F1B	50	200	CIS-50-200 - Moscow – idle and traffic – daily - Russian navy – shared band!
DK2OM	18150,0	---	--	04	RUS		F1B	100	1000	harmonic from 9075 (100 Bd, 500 Hz) - Kaliningrad
DK2OM	21000,0	---	--	04	B		USB			Brazilian pirates – Rio de Janeiro with North Brazil – very often
DK2OM	21145,0	vt	dly	04	MRC		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	21241,0	1001	19	04	CHN		FMOP		10k	Chinese OTH radar – 48 sps – 5.4 sec bursts
DK2OM	21275,0	1012	14	04	RUS		PSK2A	120	2600	AT3004D
DK2OM	21314,0	0959	19	04	CHN		FMOP		10k	Chinese OTH radar – 66.66 sps – 3.8 sec bursts – „foghorn“
DK2OM	21350,0	0954	19	04	CHN		FMOP		10k	Chinese OTH radar – 66.66 sps – 3.8 sec bursts – „foghorn“
DK2OM	21380,0	0956	19	04	CHN		FMOP		10k	Chinese OTH radar – 48 sps – 5.4 sec bursts
DK2OM	21400,0	1003	19	04	CHN		FMOP		10k	Chinese OTH radar – 50 sps – 2.5 sec bursts
DK2OM	21438,0	1257	09	04	RUS	RCV	A1A			RIP90 de RCV - RUS Navy Sevastopol - often
DK2OM	21446,0	---	--	04	THA	HSOZEA	A1A			HSOZEA beacon – every 5 minutes - just for info!
DK2OM	28000,0	---	--	04	B		A3E			Brazilian CBers – 28000 – 28325 – daily, all day - no change
DK2OM	28000,0	---	--	04	CIS		F3E			28000 – 29700 numerous CIS taxi nets – no change
DK2OM	29685,0	---	--	04	I		VFT		2300	Italian MIL – Brescia - daily
DK2OM	29699,5	---	--	04	I		VFT		1600	Italian MIL – Brescia - daily

IRTS – Ireland – EI3GYB (Michael)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	DETAILS
IRTS	1812	2330	11	04	RUS		USB/SS B	Russian navy from Kaliningrad. All night with medium strength.
IRTS	1896.5	2005	10	04	D		PSK-8	German navy. Strong all night. Frequency not usable for HAM traffic. No activity anymore since the middle of the month.
IRTS	3550	0600	20	04	F		AM	A group of French HAMs keeps violating the band plan. Big signals.
IRTS	3590	0600	25	04	F		AM	2 nd group of French HAMs violating the band plan.
IRTS	3638	1035	16	04	POR or MM		USB	2 Portuguese fishermen. Medium signals.

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	DETAILS
IRTS	3682	1130	16	04	HOL or MM		USB	2 Dutch fishermen. Loud motor noise from both ships. Huge signals.
IRTS	5347.2	1550	07	04	F or MM		USB	Group of French fishermen. Huge signals. Splattering down to EI spot frequency of 5346.5 KHz.
IRTS	5350	0920	21	04	D		USB	2 German HAM operators chat happily outside their own allocation. They even give their own calls from time to time.
IRTS	5369	0810	02	04	F or MM		USB	2 French fishermen. Loud. UK 5 MHz allocation.
IRTS	5390	1820	02	04	RUS and CHN		FMOP	5330 to 5420 KHz. Strong radar all evening, night and early morning. Band most days during these hours unusable.
IRTS	5400	1245	01	04	F or MM		USB	French fishermen. Huge signal. Also on 7 th of April at 1600z Also on the 8 th of April. UK/EI spot frequency.
IRTS	5400	0755	03	04			AM	Pop music. Female voice makes an announcement. S/off at 0800z. Either a pirate or a harmonic of a BC station. Also heard on 29 th at 0755z with s/off at 0800z EI/UK spot frequency.
IRTS	5400	1845	29	04	E or MM		USB	2 Spanish fishermen chatting. Weak signal.
IRTS	5398.5	1103	19	04	UK or IRL		USB	Somebody putting on a carrier deliberately and destroys a SOTA activation. Not the first time this happens. Ends at 1140z- 15 minutes after all stations trying to operate left the frequency. Similar story on 28 th of April at 1030z. Carrier is put on until everybody leaves the frequency. Again in the afternoon during the pre RSGB news net at 1445z: Somebody tapes QSOs and replays them when other HAMS try to have a QSO.
IRTS	5405	1155	23	04	POR or MM		USB	2 Portuguese fishermen. Medium signals.
IRTS	5403.5	2155	04	04	I		USB	An Italian Ham calls for DX outside the Italian allocation. UK/EI/USA spot frequency.
IRTS	7050	1750	15	04	RUS/ UKR		LSB	Ukrainian-Russian radio war. Heard most days all day.
IRTS	7055	1640	18	04	RUS/ UKR		LSB	Russian-Ukrainian radio war. Most days all day long. Total chaos. Strong.
IRTS	7140	1710	26	04	ERI		AM	Radio Eritrea. Weak signal on some days of the month.
IRTS	7159	1140	23	04			Digital	Strong digital signal
IRTS	7159	1313	28	04			Digital	Link-11 CLEW. Very strong signal. Non-stop running for days. Still on 30 th at 2359z. Frequency cannot be used for HAM traffic.
IRTS	7177	0725	03	04			Digital	Big digital signal
IRTS	7180	1925	11	04			Digital	Huge digital signal.
IRTS	7180	1705	26	04	ERI		AM	Radio Eritrea. Weak signal on some days of the month.
IRTS	7200	1715	26	04			Digital	Huge digital signal. On non-stop since discovered first. Still on 29 th at 2350z. Frequency cannot be used for HAM traffic. Heard nothing anymore during the next check on 30 th at 0930z.
IRTS	10125	2010	10	04	TUR or IRN		AM	BC programme in French language. A harmonic either from Iran or Turkey.
IRTS	14192	1230	01	04	RUS		F1B	Russian navy from Kaliningrad. Getting stronger by the day. All daylight hours audible now.
IRTS	14226	0809	11	04	RUS			14226 to 14267 KHz. Radar heard on many days with medium strength.
IRTS	14287	0915	22	04	RUS			Radar from 14287 to 14297 KHz. Strong signal. Part of the spectrum is unusable.

KARS – Kuwait – 9K2RR (Faisal)**MRASZ – Hungary - HA7PL (Laci)**

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
MRASZ	3522,5	1834	16	4			A1A		"U7K3 de ESH9 K"
MRASZ	3527,0	1737	28	4			PSK2		AT3004D
MRASZ	3527,0	1755	29	4			PSK2		AT3004D
MRASZ	3531,5	1656	3	4			PSK2		AT3004D
MRASZ	3531,5	1655	4	4			PSK2		AT3004D
MRASZ	3548,0	1929	1	4			F1B	200	hrd: 05,
MRASZ	3548,0	1722	28	4			F1B	200	
MRASZ	3557,0	1732	26	4			F1B	250	
MRASZ	3563,0	1806	4	4			A1A		"QSA 1 QSA?"
MRASZ	3572,5	1733	26	4			F1B	200	
MRASZ	3578,0	1721	28	4			F1B	250	
MRASZ	3598,0	1827	4	4			A1A		"8IR 6T 3K" "OK QTC K" "QRV K"
MRASZ	3600,0	1710	4	4			A3E		unidentified
MRASZ	3600,0	1820	4	4			LSB		russian, probably HAM's no callsigns mentioned
MRASZ	3603,0	1701	23	4			F1B	250	
MRASZ	3608,0	2025	5	4			F1B	200	
MRASZ	3613,0	1657	3	4			A1A		"T5391 5T225 85214"
MRASZ	3631,0	1824	16	4			PSK2		AT3004D
MRASZ	3661,8	1824	9	4			N0N		
MRASZ	3665,4	1704	3	4			N0N		
MRASZ	3676,0	1724	25	4			PSK2		AT3004D
MRASZ	3678,5	1704	3	4			PSK2		AT3004D
MRASZ	3679,0	1825	9	4			PSK2		AT3004D
MRASZ	3680,0	1808	3	4			LSB		music
MRASZ	3700,0	1712	4	4			A1A		"2384 8234 5T213"
MRASZ	3719,0	1715	4	4			A1A		changing carriers about 1 kHz wide as disturbance
MRASZ	3738,0	1802	3	4			F1B	250	
MRASZ	3755,0	0730	2	4			A1A		quick dot's
MRASZ	3768,0	1705	3	4			PSK2		AT3004D
MRASZ	3768,0	1902	5	4			PSK2		AT3004D
MRASZ	3778,0	1826	9	4			PSK2		AT3004D
MRASZ	3797,0	1644	4	4			A1A		"031 399 KARTA"
MRASZ	3799,0	1827	9	4			PSK2		AT3004D
MRASZ	7013,0	0757	11	4			PSK2?		AT3004D
MRASZ	7013,0	0726	22	4			USB		russian male
MRASZ	7016,0	1450	23	4			F1B	250	
MRASZ	7040,0	0753	11	4			F1B	200	
MRASZ	7055,0	1643	3	4			LSB		chaos, hrd:4, 11, 22, 23,
MRASZ	7063,0	1449	23	4			F1B	250	
MRASZ	7063,5	1511	18	4			F1B	200	
MRASZ	7099,0	1448	23	4			N0N		
MRASZ	7110,0	1059	12	4			A3E		italian language
MRASZ	7112,0	1446	23	4			F1B	500	
MRASZ	7114,0	1751	3	4			F1B	200	
MRASZ	7114,0	1642	18	4			F1B	200	
MRASZ	7120,0	1846	1	4	SOM		A3E		R. Hargaysa, hrd: 03, 05,
MRASZ	7136,9	1658	4	4			N0N		
MRASZ	7140,0	1647	3	4	ERI		A3E		R. Eritrea, hrd: 04,05,09,16,25,26
MRASZ	7142,0	1500	11	4			F1B	250	
MRASZ	7144,0	1446	23	4			PSK2		AT3004D
MRASZ	7171,0	0734	2	4			PSK2		AT3004D
MRASZ	7178,0	1504	18	4			A1A		"UNUIY FLIÜZ RBÜWF"
MRASZ	7180,0	1646	3	4	ERI		A3E		R. Eritrea, hrd: 04,05,09,11,16,25,26
MRASZ	7198,0	1657	4	4			PSK2		AT3004D

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
MRASZ	7198,0	1727	25	4			PSK2		AT3004D
MRASZ	7200,0	1425	28	4			PSK2		AT3004D
MRASZ	7200,0	1800	29	4			PSK2		AT3004D
MRASZ	10114,7	0736	2	4			F1B	1000	
MRASZ	10114,75	0729	25	4			F1B	1000	
MRASZ	14052,0	1055	12	4			PSK2		AT3004D
MRASZ	14192,0	0730	25	4	RUS		F1B	200	
MRASZ	14263,0	0932	13	4			F1B	250	
MRASZ	18107,0	0732	25	4			F1B	200	

OEVSV – Austria – OE3GSA (Gerd)

PZK – Poland – SP9BRP (Jan)

REF – France – F5MIU (Francis)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	Sh /Bw	DETAILS
R.E.F.									April 2019
F5MIU	14100	0756	19	04			fmcw	20kHz	OTH Radar pulsed 25ms,S9+
F5MIU	14162	0755	1	04			fmcw	20kHz	OTH Radar pulsed 25ms,S7
F5MIU	14163	0749	2	04			fmcw	20kHz	OTH Radar pulsed 25ms,S8
F5MIU	14163	0727	5	04			fmcw	20kHz	OTH Radar pulsed 25ms,S8
F5MIU	14220	0727	5	04			fmcw	20kHz	OTH Radar pulsed 25ms,S9
F5MIU	14320	0749	2	04			fmcw	40kHz	OTH Radar pulsed 100ms,S5
F5MIU	21430	0737	20	04			fmcw	20kHz	OTH Radar pulsed 40ms,S9+

REP – Portugal – CT4AN (Jose Francisco)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAIL
REP	3520	08.54	08	04	F		J3E-U			French fishery
REP	3525	22.15	19	04	RUS	M01B	H2A	10		Enigma two tone CW
REP	3540	22.02	19	04	J		J3E-U			Japanese ops fishers in Atlantic
REP	3550	07.00	14	04	F		A3E			French amateurs ignoring IARU Bandplan
REP	3550	07.59	21	04	F		A3E			French amateurs ignoring IARU Bandplan
REP	3550	20.42	09	04	POR		J3E-U			Portuguese fishermen
REP	3555	00.13	05	04			PSK8A			STANAG 4285 600bps/L unid
REP	3565	06.51	14	04	E		J3E-U			Fishery
REP	3568	07.00	06	04	G		FSK	75	850	NATO Stanag encrypted
REP	3590	07.40	25	04	F		A3E			French amateurs ignoring IARU Bandplan
REP	3595	00.13	21	04			J3E-U			Arabic language fishery comms, unid
REP	3595	07.45	17	04	J		J3E-U			Japanese fishery
REP	3630	17.30	01	04	G	XSS	MFSK8	125	3k	UKDHFS Defense ALE sounding, legal operations
REP	3720	07.22	08	04	E		J3E-U			Spanish fishery
REP	3755	22.33	11	04	RUS		A3E			Russian mil marker
REP	3770	08.02	03	04	POR		J3E-U			Portuguese fishery
REP	5352	19.27	15	04	RUS		FMOP	43	14k	Coastal radar "Sunflower"
REP	7000	08.30	10	04	POL		QPSK8	2400		Mil Std 188 110b bursts, Polish mil
REP	7005	07.00	08	04	E		J3E-U			Spanish fishery
REP	7008	10.10	08	04	RUS		FSK	75	250	CIS-50 Russian mil
REP	7010	08.05	10	04			MFSK8	125	3k	Mil Std 188-141A Ale net 92xxx calls exchanging AMD packets
REP	7011	07.23	21	04	RUS		PSK2	120	3k	AT3004D Modem, encrypted comms
REP	7020	22.38	22	04	RUS	V	A1A			BEACON
REP	7030	20.35	15	04	B		J3E-U			Brazilian comms, unid ops
REP	7045	18.10	23	04			FMOP		100k	Wideband OTH, presumably Chinese
REP	7055	16.30	23	04	RUS		J3E-L			Russia/Ukraine

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAIL
REP	7070	08.11	03	04	MRC		FSK-8			Civil Defence
REP	7070	08.15	14	04	E		J3E-U			Spanish fishery
REP	7070	08.29	22	04			MFSK8			Mil ALE net 100x series, unid
REP	7070	09.12	22	04			PSK			Unid PSK comms, unid mode
REP	7070	21.00	24	04			J3E-U			Unid language ops
REP	7070	08.28	20	04		10003	MFSK8	125	3k	Mil 188-141A Ale net sounding
REP	7070	13.39	21	04		2001	FSK8	125	3k	Mil Std 188-141A Ale series net sounding
REP	7100	18.44	15	04	RUS	CIS 36	F1B	50	200	
REP	7125	08.09	03	04			J3E-U			Unid arabic language comms
REP	7140	18.31	01	04	ETH		8k00 A3EGN			Radio Eritreia
REP	7160	22.00	11	04			PSK			Nato
REP	10115	23.05	02	04	E		J3E-U			Spanish fishery
REP	10125	13.15	12	04			F1B	50	200	Encrypted
REP	10130	18.02	12	04	E		J3E-U			Fishery
REP	10135	21.34	22	04	MRC		J3E-U			Moroccan fishery
REP	14025	08.44	28	04	CHN		FMOP	20	10	OTH radar burst, presumably China
REP	14035	19.00	22	04	RUS		PSK2	120	3k	AT3004D
REP	14095	10.11	26	04	CHN		FMOP	20	10	OTH radar burst, presumably China
REP	14229	09.00	22	04	RUS		FMOP	43	14k	OTH Radar Kontayner 40sps/14kHz Penza
REP	14253	08.05	18	04	RUS		FMOP	75	250	CIS36-50 encrypted FSK 75/250 Russia
REP	14337	09.13	20	04	RUS		FMOP	43	14k	OTH Radar Kontayner 40sps/14kHz Penza
REP	18075	15.55	15	04			FMCW	50	20k	OTH radar
REP	21000	14.20	07	04	E		J3E-U			Spanish fishery
REP	21210	13.38	07	04			FMCW			OTH radar
REP	28725	11.14	08	04	RUS		F3E			Taxis dispatchers

RSGB – United Kingdom – G4DYA (Richard)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/BW	DETAILS
RSGB	5360.5	1837	30	04			G1D		3K00E	USB 5359.0 / Link 11 SLEW. Primary user.
RSGB	7016.0	vt	15-16	04			F1B		250	
RSGB	7035.0	0655	04	04			J7D		2K70E	USB 7033.0 / CIS-12
RSGB	7038.5	ady	dly	04	CZE	OK0EU	A1A			For info: QRP propagation beacon
RSGB	7072.0	1045	25	04			J7D		2K70E	USB 7070.0 / CIS-12
RSGB	7099.0	0747	01	04			F1B		200	
RSGB	7110.0	vt	05-06	04			N0N			
RSGB	7114.0	2115	24	04			F1B		200	
RSGB	7118.0	1028	02	04			J7D		2K70E	USB 7116.0 / CIS-12
RSGB	7140.02	vt	vd	04	ERI	VoBM1	A3E			BC
RSGB	7144.0	1525	23	04			J7D		2K70E	USB 7142.0 / CIS-12
RSGB	7159.0	vt	21-24, 29-30	04			B7D		6K00E	ISB Link 11 CLEW
RSGB	7180.02	vt	vd	04	ERI	VoBM2	A3E			BC
RSGB	7198.0	vt	04, 24-25	04			J7D		2K70E	USB 7196.0 / CIS-12
RSGB	7200.0	vt	21, 26-30	04			J7D		2K70E	USB 7198.0 / CIS-12
RSGB	10100.8	ady	dly	04	D	DDK9	F1B	50	450	For info: Primary user: WX broadcast
RSGB	14008.0	vt	07-08, 10	04	RUS		F1B	50	250	Ceased at 1153
RSGB	14100.0	0738	19	04			P0N		14K0E	'Container' OTHR. 40 sps.
RSGB	14162.0	vt	01-05	04	RUS		P0N		14K0E	'Container' OTHR. 40 sps.
RSGB	14192.0	1044	09	04			F1B		200	
RSGB	14220.0	vt	05.08	04	RUS		P0N		14K0E	'Container' OTHR. 40 sps.
RSGB	14253.0	vt	01, 15,	04			F1B		250	RR 5.152?

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/BW	DETAILS
			22							
RSGB	14263.0	1228	23	04			F1B		250	RR 5.152?
RSGB	14328.0	0819	04	04	RUS		P0N		14K0E	'Container' OTHR. 40 sps.
RSGB	14349.938	1253	04	11			N0N			

RSK – Kenya – 5Z4BV (Kamweti)

Soc	kHz	UTC	dd	mm	Adm	Identity	Mode	Shift	Details
RSK	7018	v.t.	occ.	4	Kenya?	?	PSK	2750	STANAG 4285
RSK	7035	0938	30	4	E. Africa?	?	J3E-u		Kiswahili msg net
RSK	7040	v.t.	occ.	4	E. Africa?	?	J3E-u		Kiswahili msg net
RSK	7055	1645	21	4	Eastern Europe	?	J3E-I		Recorded 'rebroadcast' of "David Castler" Youtube station
RSK	7070	v.t.	occ.	4	E./ Central Africa?	?	J3E-u		Vernacular QSO
RSK	7085	0735	occ.	4	E. Africa?	?	J3E-I		Kiswahili QSO
RSK	7120	1113	12	4	S. Sudan/E. Africa?	?	J3E-u		Kiswahili/vernacular msg net
RSK	7140	v.t.	occ.	4	Central Africa?	?	J3E-u		Vernacular QSO
RSK	7140	v.t.	dly	4	Eritrea	VOB	A3E		Commercial broadcast Voice of the Broad Masses of Eritrea 1
RSK	7150	v.t.	occ.	4	E. Africa?	228	MFSK	2000	2G ALE/ MIL-188-141
RSK	7180	v.t.	dly	4	Eritrea	VOB	A3E		Commercial broadcast Voice of the Broad Masses of Eritrea 1

SRAL – Finland – OH2BLU (Pekka)

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	BAUD	SHIFT	REMARKS
SRAL	7000.0	1015	17	4	RUS	RIT	A1A			
SRAL	7000.0	0750-0830	16 17	4	RUS	UiMUX	PSK2	120	2600	
SRAL	7008.0	1330-1400	2	4	RUS	UiMUX	PSK2	120	2600	
SRAL	7011.0	1215	16	4		UiPTR	F1B		250	
SRAL	7013.0	0645-1155	23 24	4	RUS	745	J3E-u			
SRAL	7016.0	0500-1515/	*	4	RUS	UiPTR	F1B		250	Days: 9. 10. 15. 23. 30.
SRAL	7018.0	1040	19	4		UiMUX	PSK2	120	2600	
SRAL	7018.4	'0815	17	4		UiPTR	F1B		500	
SRAL	7019.0	1715-1830	17	4		UiCarr	N0N			
SRAL	7020.0	0500-1300	*	4	RUS	UiPTR	F1B		250	Days: 9. 10. 23. 26.
SRAL	7024.0	0530-1200	*	4	RUS	UiPTR	F1B		250	Days: 3. 16. 24. 25.
SRAL	7026.0	0800-1300	*	4	RUS	UiMUX	PSK2	120	2600	Days: 3. 16. 24.
SRAL	7030.0	0745-0845	25	4		UiPTR	F1B		250	
SRAL	7035.0	0530-1445	*	4	RUS	UiMUX	PSK2	120	2600	Days: 3. 4. 18. 24.
SRAL	7037.0	'0515	21	4		UiMUX	PSK2	120	2600	
SRAL	7056.0	'0715	4	4	RUS	UiVOX	R3E-u			Female vox "priom"
SRAL	7057.5	0710-0735	4	4		UiCW	A1A			5F
SRAL	7061.0	0700-0945	4 24	4		UiMUX	PSK2	120	2600	
SRAL	7063.0	1535	23	4		UiPTR	F1B		250	
SRAL	7063.5	0500-	18	4	RUS	UiPTR	F1B		250	

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	BAUD	SHIFT	REMARKS
		1740/								
SRAL	7068.0	1235	23	4		UiMUX	PSK2	120	2600	
SRAL	7072.0	0620-1610	25	4	RUS	UiMUX	PSK2	120	2600	
SRAL	7099.0	0740-1600/	1	4	RUS	UiPTR	F1B		200	
SRAL	7104.0	0530-1315	*	4	RUS	UiPTR	F1B		500	Days: 4. 12. 16. 18. 19. 28.
SRAL	7110.0	0940-1150/	*	4	RUS	UiPTR	F1B		200/250	Days: 6. 10. 25.
SRAL	7112.0	0845-1215/	6 25	4		UiMUX	PSK2	120	2600	
SRAL	7112.0	0945-1100/	24	4	RUS	UiPTR	F1B		250	
SRAL	7114.0	/0530-0600	*	4	RUS	UiPTR	F1B		500	
SRAL	7114.0	0700-1545/	*	4	RUS	UiMUX	PSK2	120	2600	Days: 4. 9. 19. 24.
SRAL	7118.0	1000-1025/	2	4	RUS	UiMUX	PSK2	120	2600	
SRAL	7124.0	0630-1000	16 23	4	RUS	UiMUX	PSK2	120	2600	
SRAL	7131.0	1415	22	4		UiPTR	F1B		200	
SRAL	7137.0	1639-1800	13	4	RUS	UiPTR	F1B		200	
SRAL	7140,0	0300-0600	dly	4	ERI	VoBME	A3E			
SRAL	7140,0	1400-1840/	dly	4	ERI	VoBME	A3E			
SRAL	7142.0	1015-1820/	*	4		UiPTR	F1B		250	Days: 4. 11. 23.
SRAL	7144.0	0940-1150/	*	4	RUS	UiMUX	PSK2	120	2600	Days: 23. 26. 30.
SRAL	7158.0	1310	24	4		Y3BE	A1A			
SRAL	7159.0	'0525	28	4		UiCW	A1A			
SRAL	7159.0	0500-1830	*	4	IW	UiCLEW	LINK 11		dsb	Days: 22. - 24. 29. 30.
SRAL	7160.0	0615-0830	16 17	4	RUS	RBL88	A1A			
SRAL	7160.0	'0650	24	4		UiPTR	F1B		500	
SRAL	7162.0	1115-1545	2	4	RUS	9	A1A			Time stamp
SRAL	7170.0	1530	4	4	RUS	UiMUX	PSK2	120	2600	
SRAL	7172.0	1255-1315	5	4		UiCW	A1A			5BL
SRAL	7176.0	0740-0900/	3 16	4	RUS	UiPTR	F1B		250	
SRAL	7177.0	0530-0550/	4	4		UiCW	A1A			dotter
SRAL	7178.0	0935-1445	11	4		UiMUX	PSK2	120	2600	
SRAL	7178.5	0810-1310	*	4		BPM3	A1A			Days:16. - 18. Also heard KXC1, 1HZW
SRAL	7180.0	0300-0600	dly	4	ERI	VoBME	A3E			
SRAL	7180.0	1400-1840/	dly	4	ERI	VoBME	A3E			
SRAL	7185.5	0700-1500	dly	4	UZB	V	A1A			
SRAL	7188.0	0530-1405/	*	4	RUS	UiPTR	F1B/ NON		250	
SRAL	7196.0	1805-1855	24	4		UiPTR	F1B		200	
SRAL	7198.0	0645-1815	*	4	RUS	UiMUX	PSK2	120	2600	Days: 4. 18. 19. 23. 24. 25.
SRAL	7200.0	0500-	*	4	RUS	UiMUX	PSK2	120	2600	Days: 21. 26. - 30.

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	BAUD	SHIFT	REMARKS
		1815								
SRAL	10 MHz			4	CYP	UiOTHR	FMCW			25/50Hz, 20kHz (WebSDR 13d)
SRAL	10 MHz	0900-1200	4	4	RUS	Kontainer	FMCW			40Hz/ 15kHz
SRAL	14 MHz	0500-0930	*	4	CHN	UiOTHR	FMCW			10Hz/12kHz, days: 1. 3. 7. 11. 14. 16.
SRAL	14 MHz	/0700-1340	*	4	RUS	Kontainer	FMCW			40Hz/15kHz, days: 1. - 5. 8. 9. 15. 18. (WebSDR 12d)
SRAL	14008.0	1035-1110	4	4		UiPTR	F1B/NON		250	
SRAL	14014.0	'0520	23	4		UiPTR	F1B		500	
SRAL	14046.0	0720-0940	4	4		UiMUX	PSK2	120	2600	
SRAL	14052.0	'0955	12	4	RUS	UiMUX	PSK2	120	2600	
SRAL	14192.0	0830-1200	*	4	RUS	UiPTR	F1B		200	Days: 4. 26. 27.
SRAL	14212.0	1510-1516/	25	4	RUS	425	R3E-u			
SRAL	14221.0	0500-0600/	dly	4	KGZ	UiPTR	F1B		200	Days: 14. 15. 27. - 31.
SRAL	14253.0	0600-0800	*	4	RUS	UiPTR	F1B		250	Days: 1. 15. 22. 29.
SRAL	14295.2	0400-1815	dly	4	TJK	R Tojikiston	A3E			3f, chirpy carrier
SRAL	18 MHz	0515-1045	*	4	CYP	UiOTHR	FMCW			25/50Hz/20kHz, days: 9. 17. 22. 24. 26. 28. (WebSDR 15d)
SRAL	18080.0	0600-0800	*	4	TWN	Sound of Hope	A3E			CHN jamming by BC, days: 4. 7. 14. 15. 16. 17. 22. 25. 29.
SRAL	21 MHz			4	CYP	UiOTHR	FMCW			25/50Hz/20kHz, (WebSDR 4d)
SRAL	21438.0	0900-1030	26 28	4	RUS	RCV	A1A			
SRAL	24 MHz			4		UiOTHR	FMCW			(WebSDR 0d)

URE – Spain – EA6AMM (Gaspar)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
URE	7016.02	06:38	15	4			F1B		250	
URE	7113.8	07:26	4	4			PSK2A	120	2600	AT3004-D
URE	7178	18:59	11	4			PSK2A	120	2600	AT3004-D
URE	7197.8	07:56	4	4			PSK2A	120	2600	AT3004-D
URE	14005	12:48	18	4			PSK2A	120	2600	AT3004-D
URE	14009.5	09:18	18	4			PSK2A	120	2600	AT3004-D
URE	14030.05	18:29	11	4			J3E-U			Unid people talking.
URE	14100	07:53	19	4	RUS		FMOP		14 k	OTH Radar Contayner. 40 sps. Long-lasting.
URE	14162	08:26	1	4	RUS		FMOP		14 k	OTH Rdar Contayner. 40 sps. Long-lasting. Also on 2,
URE	14162	07:43	5	4	RUS		FMOP		14 k	OTH Radar Kontayner. Two transmissions at the same time: 14162 and 14220 kHz. 40 sps. Long-lasting.
URE	14170	08:08	5	4	CHN		FMOP		10 k	OTH Radar Bursts. Foghorn. 67 sps
URE	14192	15:31	2	4	RUS		F1B		200	Kaliningrad. RUS Navy. Also on 13, 14 April
URE	14220	09:08	8	4	RUS		FMOP		14 k	OTH Radar Contayner. 40 sps. Long - lasting.
URE	14220	07:53	5	4	RUS		FMOP		14 k	OTH radar Kontayner. Two transmissions at the same time: 14220 and 14162 kHz. 40 sps. Long-lasting.
URE	14253.3	08:26	1	4	RUS		F1B	75	250	Moscow. Also on 15 April
URE	14263.05	09:18	13	4			F1B		250	Also on 23
URE	14265	08:07	13	4			PSK2A	120	2600	AT3004-D
URE	14275	08:08	5	4	CHN		FMOP		10 k	OTH Radar Bursts. Foghorn. 67 sps

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
URE	14324	08:26	1	4			FMOP		10 k	OTH Radar bursts
URE	14329	07:56	4	4	RUS		FMOP		14 k	OTH Radar Contayner. 40 sps. Long-lasting.
URE	18165	14:09	2	4			FMOP		20 k	OTH Radar

USKA – Switzerland – HB9CET (Peter)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH (BW)	DETAILS
USKA	7016.0	0859	23	04			F1B	50	250	
USKA	7099.0	0923	01	04	RUS		F1B		200	
USKA	7100.0 VFO USB	0001	01	04			G1D PSK8A	2400	2k7	STANAG 4285
USKA	7112.0	0924	24	04			F1B	75	250	
USKA	7116.0	0738	05	04			F1B	75	200	often
USKA	7140.0	1530	04	04	ERI	VOBM	A3E		~ 9k	BC almost daily
USKA	7159.0	0929	24	04			B7D DQPSK	14x75	~6k1	LINK 11 CLEW; DSB Mode
USKA	7160.0	0659	24	04			F1B	75	500	
USKA	7170.0	1528	04	04			J7D	12x120	2k7	BPSK; CIS12
USKA	7180.0	1529	04	04	ERI	VOBM	A3E		~ 9k	BC almost daily
USKA	7197.0	2144	03	04	TUR	341013	MFSK8	125	1750	ALE, MIL 188-141A
USKA	7197.0	2147	03	04	TUR	314013	MFSK8	125	1750	ALE, MIL 188-141A
USKA	7198.0	1531	04	04			J7D	12x120	2k7	BPSK; CIS12 often
USKA	14162.0	0920 1156	01 04	04			FMOP	40 sps	appx 12k	OTHR; (long lasting) often
USKA	14192.0	1139	04	04			F1B	50	200	often
USKA	14253.0	0918	01	04			F1B	75	250	often
USKA	14255.0	1409	23	04			J7D	12x120	2k7	BPSK; CIS12 often
USKA	18080.0	0749	05	04			A3E		appx 10k	BC: Chinese often
USKA	18107.0	1008	02	04		RDL	F1B	36/50	200	CIS 36-50 often

Veron – Netherlands – PG1R (Ruud)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SHIFT	DETAILS
VERON	3548,0	1828	11	04	CIS	UiPTR	F1B		Carrier/Revs/Ptr also 25/4 19.47 UTC
VERON	3620,0	1949	25	04		UiPTR	F1B		Revs
VERON	3673,5	0945	04	04	HOL	UiVFT	J3E-u		Dutch coast guard weather forecast in dutch language ending next message 21.40 UTC
VERON	3673,5	0940	05	04	HOL	UiVFT	J3E-u		Dutch coast guard weather service to all ships
VERON	3742,0	1725	01	04		UiPTR	F1B		Ptr
VERON	3797,0	1956	25	04	RUS	RCV	A1A		RIC87 de RCV QTC 107 41 9 1.29 107 = Prip Noworossijsk 198
VERON	3797,0	1926	06	04	RUS	RCV	A1A		RIC87 de RCV QTC 198 44 29 1909 198 = Prip Noworossijsk
VERON	7005,0	1812	25	04	INDON	UiILL	J3e-U		Indonesian language fishery
VERON	7016,0	1457	23	04	RUS	UiPtr	F1B	250	Ptr
VERON	7019,0	1806	17	04	RUS	UiCAR	NON		nr Moscow MIL
VERON	7024,0	1715	01	04	CIS	XHBY	A1A		Procs/Calls to KS4G WGX3 5A4G G88S 5AD4 KWC1 N4CJ
VERON	7033,0	1712	02	04	CIS	NZB	A1A		LPN qsa/qrk/qsy
VERON	7050,0	1451	13	04	UKR/RUS		J3E-1		Comments; female voice; S6
VERON	7050,0	0917	20	04	UKR/RUS		J3E-1		Slogans; S7
VERON	7055,0	vt	vd	04	UKR/RUS		J3E-1		Music+comments+discussions; S5-9
VERON	7080,0	1945	25	04	CIS	UiCW	F1A		XXX followed by F1B Revs/Ptr
VERON	7112,0	1500	23	04	RUS	UiCAR	NON		carrier

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SHIFT	DETAILS
VERON	7112,0	1345	23	04		UiPtr	F1B	500	S6
VERON	7137,0	1659	13	04	RUS	RDL	F1B	200	Rus Navy Kaliningrad; idling
VERON	7140,0	1657	20	04	ERI	R.Eritrea	A3E		Weak signal; S3
VERON	7142,0	1343	23	04		UiPtr	F1B	250	S7
VERON	7145,00	1505	23	04	RUS	MPSK	PSK2		12x120 Bd AT3004D
VERON	7200,0	1821	29	04	RUS		PSK2A		AT3004-D
VERON	7200,0	0751	30	04	RUS		PSK2A		AT3004-D
VERON	7200,0	0754	30	04	RUS	UiMUX			12 MPSK
VERON	7200,0	0936	30	04	RUS	OTHR	FMOP		radar
VERON	14008,0	1447	04	04	CIS	UiPTR	F1B		Carrier/Revs/Ptr also 7/4 09.54 UTC
VERON	14008,0	0847	07	04		UiPtr	F1B		
VERON	14008,0	1337	15	04		UiPtr	F1B	250	S5
VERON	14144,0	0943	11	04	CIS	UiCW	A1A		5F GOMYS etc QLN K
VERON	14156,0	0735	02	04	RUS	OTHR	FMOP		radar, long period
VERON	14161,0	0620	03	04	RUS	OTHR	FMOP		radar, long period
VERON	14165,0	0955	01	04	RUS	OTHR	FMOP		radar, long period
VERON	14192,0	1253	13	04	RUS	UiPtr	F1B	200	Rus Navy Kaliningrad
VERON	14263,0	1144	23	04	RUS	UiPtr	F1B	250	Ptr
VERON	14284,0	1523	11	04		UiPTR	F1B		Ptr
VERON	14330,0	0900	03	04	RUS	OTHR	FMOP		radar, long period
VERON	18069,0	0954	26	04	RUS	OTHR	FMOP		radar, 18049-18069 KHz

The monitoring team of IARU Region 1

credits:

Wavecom Elektronik – Buelach – Switzerland

German BNetzA Konstanz

All our friends and contributors worldwide!

Many thanks for your interest!

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