

Part 1: News and Infos

1. BCs on 7 MHz

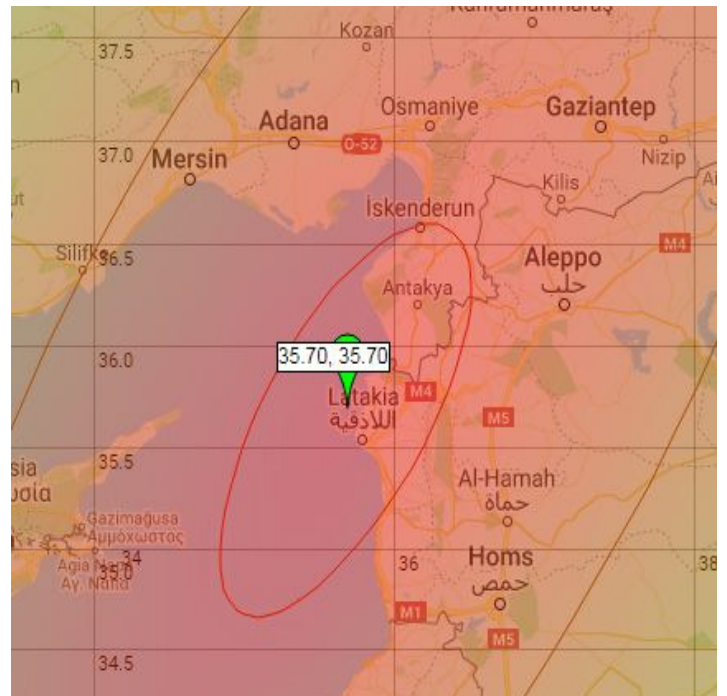
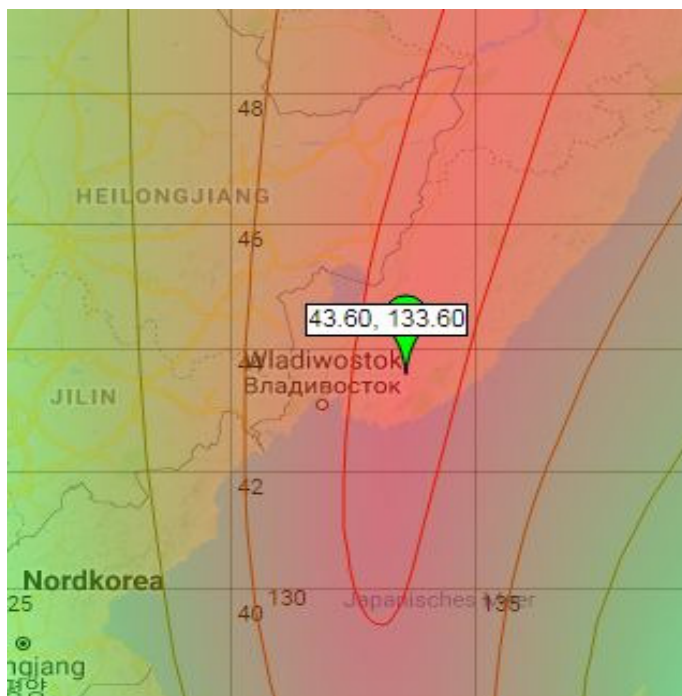
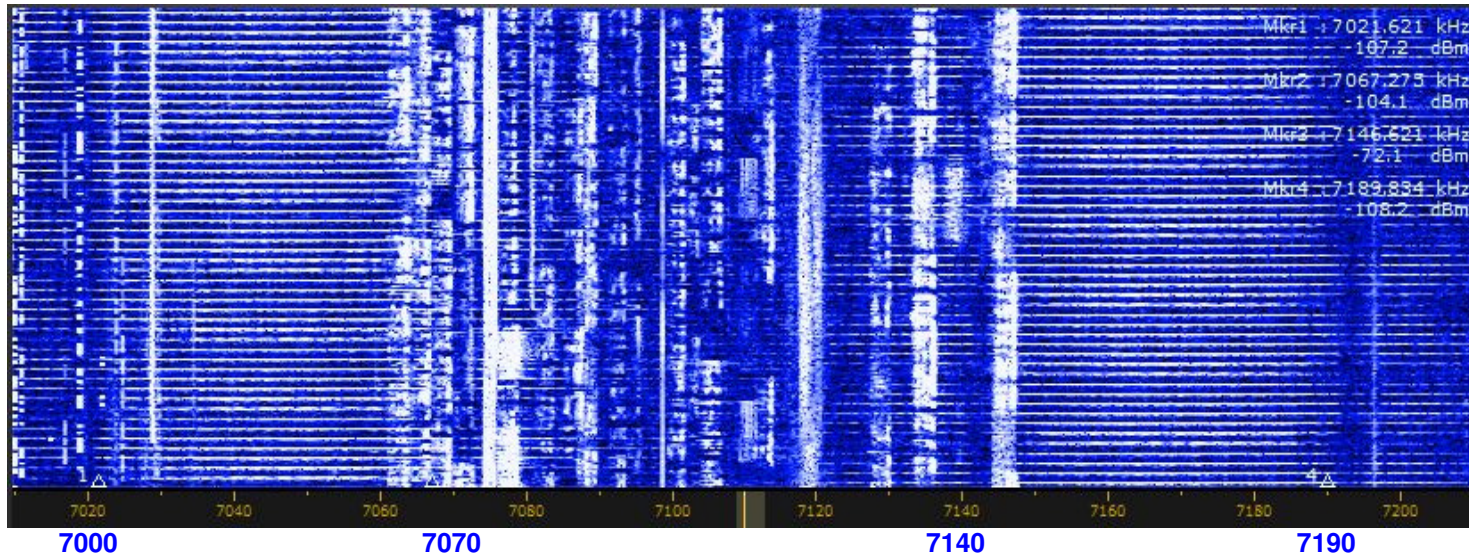
Radio Hargeisa in Somaliland on 7120 kHz was not on air. The reason is unknown.
Radio Eritrea did not transmit on 7140 kHz. The reason is unknown.

2. Spanish and Moroccan fishery as usual

Spanish fishermen had skeds on 14320 kHz on USB. Moroccan fishery abused 10140 kHz and 14000 kHz on USB.

3. Russian coastal radar “Sunflower” on 40 m-band

The Russian coastal radar “Sunflower” was very active on our 40 m-band and even audible in Europe in the evenings. Parameters: FMOP and 43 sps (= PRF 43) very similar to the Makhachkala Sunflower
Location: NE of Vladivostok - Screenshot: DK2OM – date: Sept. 16th – Kiwi DF below



DF: Russian radar “Sunflower” – NE of Vladivostok

DF: Russian ship on F1B on 7110 kHz

4. Russian ship on 7110 kHz

We observed a Russian ship on F1B with 50 Bd and 200 Hz shift. Location: area of Cyprus and east of Cyprus. The system was daily on air. DF with Kiwi

5. Russian ship on 7179 kHz

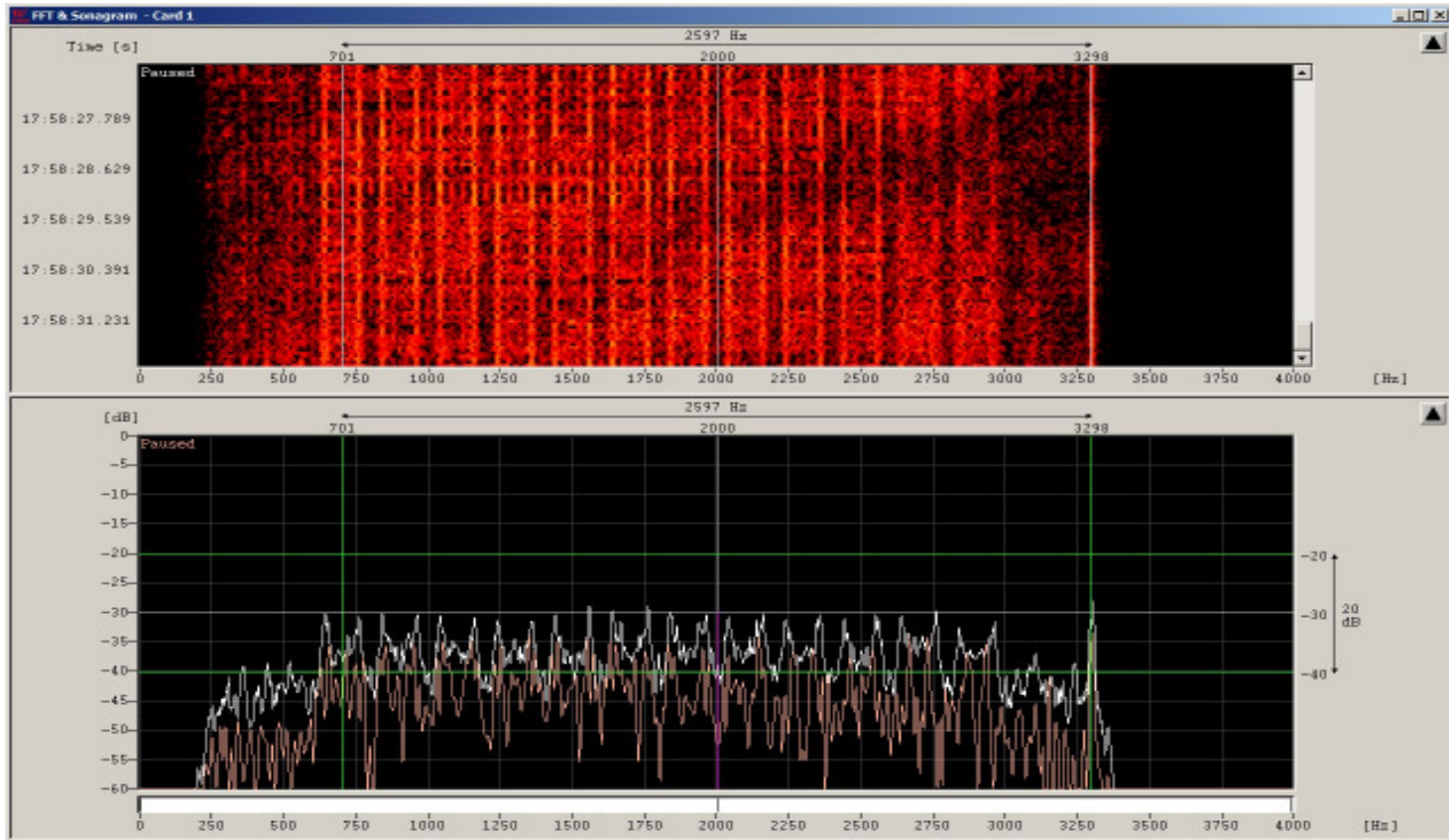
A Russian ship was transmitting on 7179 kHz on AT3004D with 12 x 120 Bd PSK2A and 2600 Hz bandwidth. Location: area of Crete Island – Date and time: Sep. 18th – 1427 utc

6. Russian MIL system AT3004D on 7198 kHz

The Russian MIL system AT3004D appeared on 7198 kHz. Date and time: Sep. 20th – 1800 utc

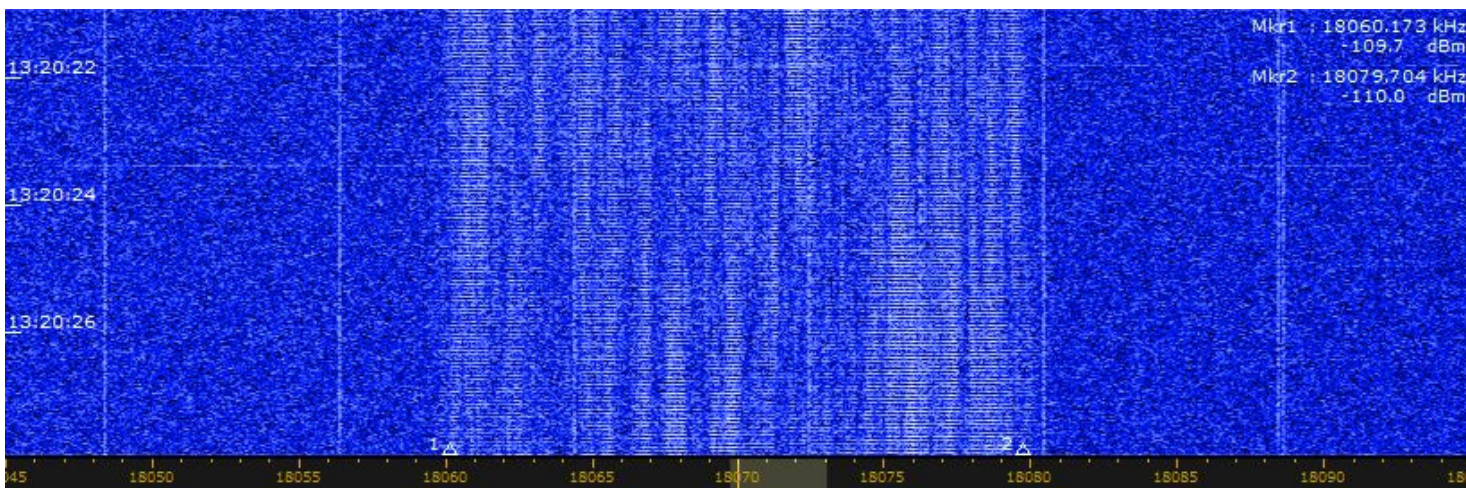
Location: Moscow – Parameters: AT3004D test mode, no traffic!

Screenshot: DK2OM with Wavcom W-Code (sonagram and spectrogram)



7. OTH radar Cyprus on 18060 – 18080 kHz on FMOP

The OTH radar Cyprus transmitted on 18060 – 18080 kHz on **FMOP** and PRF 50. Earlier observations showed **FMCW-mode**! Screenshot: DK2OM



8. 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 – no tx

7140 kHz – Radio Eritrea – no tx

9. Homepage IARU Region 1

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	ident	MODE	Shift	Details
RSK	7000	vt	nr. dly.	9	Kenya?	?	PSK	2500	ALE MIL 188-141
RSK	7008	1240	11	9	Africa?	?	J3E-l		Vernacular msg net
RSK	7015	1108	5	9	S. Sudan - East Africa?	?	J3E-u		Vernacular/English msg net
RSK	7017	0825	20	9	Central - East Africa?	?	J3E-u		Vernacular/Kiswahili msg net
RSK	7030	1112	26	9	Kenya?	?	PSK	2500	ALE MIL 188-141
RSK	7066	1106	5	9	S. Sudan?	?	J3E-u		Vernacular QSO
RSK	7075	1350	20	9	E. Africa?	?	J3E-l		Kiswahili msg. net
RSK	7075	a.m.	occasional	9	Kenya?	?	PSK	2500	ALE MIL 188-141
RSK	7089,1	a.m.	nr. dly.	9	Central Africa?	?	J3E-u		Mil French/vernacular msg. net
RSK	7120	0825	25	9	E. Africa?	?	J3E-u		Kiswahili/vernacular QSO
RSK	7140	0750	27	9	Central Africa?	?	J3E-u		Vernacular QSO
RSK	7140	a.m.-p.m.	nr. dly.	9	Eritrea	Radio Eritrea	A3E		Commercial broadcast
RSK	7148	0930	18	9	E. Africa?	?	J3E-u		Vernacular QSO
RSK	7150	0960	7	9	Central Africa?	?	J3E-l		French/vernacular net
RSK	7170	1355	20	9	E./ Central Africa?	?	J3E-l		Kiswahili QSO
RSK	7175	0635	25	9	Africa?	?	J3E-?		Garbled' QSO
RSK	7185	1100	occasional	9	E. Africa?	?	J3E-u		Vernacular QSO
RSK	7190	1112	26	9	E. Africa?	?	PSK		ALE MIL 188-141

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

DG0JBJ (Mario) observed 0 OTH radars on 40 m, 0 OTH radars on 20 m, 14 OTH radars on 17m, 3 OTH radars on 15 m and 0 OTH radars on 10 m in September 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	1810,5	2027	09	09	ROU		A1A			beacon – YR2TOP – 1810.518 kHz – just for info
DK2OM	1812,0	vt	dly	09	RUS		USB LSB			14 tones – hyperbolic radio navigation system – BRAS-3/RS-10 – Kaliningrad – daily, all day
DK2OM	1888,0	vt	dly	09	I	IPD	USB			Civitavecchia Radio, weather reports - daily
DK2OM	1925,0	vt	dly	09	I	IPL	USB			Livorno Radio, weather reports - daily
DK2OM	3501,0	1820	29	09	BLR		F1B	81	250	Minsk
DK2OM	3503,5	vt	dly	09	G	no ITU	FSK8	125	1750	ALE – “XSS” “XPU” “XJR” – British MIL Tascomm – vt, daily - legal!
DK2OM	3525,0 RF	1940	12	09	F		PSK8	2400	2400	Link11 – SLEW - area of Marseille
DK2OM	3525,0	0700	14	09	F		USB			French fishery
DK2OM	3527,0	2100	dly	09	RUS		F1B	50	200	Severomorsk - daily
DK2OM	3531,0	2130	dly	09	RUS	REA4	N0N			unclean carrier - RUS airforce Moscow, ident: full hour + 40 min - daily
DK2OM	3532,0	1900	25	09	F		PSK4	75	5800	LINK11-CLEW on both sidebands (5800 Hz wide) – area of Brest – legal!
DK2OM	3532,0	1915	12	09	RUS		PSK2A	120	2600	AT3004D – submode idle and traffic - Moscow
DK2OM	3534,0 RF	1900	02	09	UKR		PSK2A	1200	1200	system T-230 – permanent Odessa
DK2OM	3535,0	2010	22	09	E		USB			Spanish fishery
DK2OM	3546,0	2019	06	09	RUS		PSK2A	120	2600	AT3004D - Moscow
DK2OM	3550,0	0630	dly	09	F		A3E			French amateurs not respecting bandplans – every morning
DK2OM	3550,7	1833	03	09	ISR		PSK4 PSK8	75 2400	2400 2400	hybrid modem – ISR Navy – PSK4 parallel and PSK8 serial - legal operation!
DK2OM	3553,8	ady	dly	09	TUR		PSK8	2400	2400	Stanag4285 – 600 bps long -TUR MIL - Ankara – daily, all day - legal operation
DK2OM	3555,0	1840	01	09	CIS		USB			male persons in RUS voice
DK2OM	3585,0	ady	dly	09	TWN	HLL	F1C		800	WX-fax Taiwan - 120 rpm, IOC 576 - daily, all day - legal!
DK2OM	3585,0	1738	27	09	E		USB			Spanish fishery - not respecting legal Taiwan WX-fax
DK2OM	3586,0	2000	dly	09	HOL		PSK2A	40	40	encrypted - Amsterdam
DK2OM	3586,6	2050	15	09	E		USB			Spanish fishery
DK2OM	3591,0	2058	17	09	RUS		F1B	75	250	Moscow
DK2OM	3593,7	---	--	09	RUS	D	A1A			Cluster beacon – Sevastopol RUS Navy – “RCV”
DK2OM	3593,8	---	--	09	RUS	P	A1A			Cluster beacon – Kaliningrad RUS Navy – “RMP”
DK2OM	3593,9	---	--	09	RUS	S	A1A			Cluster beacon – Severomorsk RUS Navy – „RIT“
DK2OM	3594,0	---	--	09	RUS	C	A1A			Cluster beacon C - Moscow RUS Navy - “RIW”
DK2OM	3594,0 RF	---	--	09	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	---	--	09	RUS	F	A1A			Cluster beacon F - Vladivostok RUS Navy - “RJS”
DK2OM	3595,0	---	--	09	RUS	K	A1A			Cluster beacon - Petropavlovsk Kamchatskiy - RUS Navy - Pacific fleet - “RCC”
DK2OM	3596,0	vt	dly	09	J		FSK8	125	1750	ALE, “JH1ESB” – just for info!
DK2OM	3605,0	2029	04	09	RUS		PSK2A	120	2600	AT3004D – Velikije Luki
DK2OM	3622,5	ady	dly	09	J	JMH	F1C		800	Tokyo Meteo – 120 rpm – IOC 576 – daily, all day - legal!!!


DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DK2OM	3730,0	1828	24	09	CHN		FMOP		60k	Chinese coastal radar „Sunflower“ – 43 sps – area of Xiamen – 3696 – 3756 kHz
DK2OM	3756,0	1800	dly	09	RUS		USB			RUS MIL – channel marker – Tuapse – East Black Sea – night QRG – daily
DK2OM	5350,0	---	--	09	E		USB			Spanish fishery – splattering up
DK2OM	5360,0	1630	19	09	RUS		F1B	75	250	Tver - legal – primary user !
DK2OM	5361,8	1003	07	09	DNK	OUA15	PSK8A	2400	2400	Stanag-4285 – 600 bps long – assigned to Danish Navy Aarhus - legal – primary user !
DK2OM	5362,0	1600	03	09	RUS		PSK2A	120	2600	AT3004D – Kaliningrad - legal – primary user !
DK2OM	5362,0	1610	19	09	RUS		PSK2A	120	2600	AT3004D – Tver - legal – primary user !
DK2OM	6998,0 RF	1510	07	09	RUS		PSK2A	120	2600	7000.0 center - AT3004D – Moscow
DK2OM	7001,8	1653	04	09			PSK8A	2400	2400	MIL-188-141B
DK2OM	7002,0	0854	28	09	RUS		FMOP			coastal radar Sunflower - 43 sps 7002 – 7052 kHz – NE of Vladivostok
DK2OM	7003,0	1925	13	09	CHN		FMOP		160k	7003 – 7163 - Chinese wideband OTH radar – 10 sps
DK2OM	7010,0	vt	vd	09	ALB	no ITU	FSK8	125	1750	ALE, “RS0” - Tirana
DK2OM	7018,0	---	--	09	RUS	REA4	F1B	100	800	mostly idling – Russian airforce Moscow – ident at full hour + 41 min. on F1A
DK2OM	7020,0	vt	vd	09	ALB		FSK8	125	1750	ALE, “CS004A” “RS004D” “CS004” - daily
DK2OM	7020,0	1855	06	09	RUS		FMOP		120k	coastal radar Sunflower - 43 sps 7020 – 7140 kHz – NE of Vladivostok
DK2OM	7025,0	0640	14	09			PSK8A	2400	2400	Stanag-4285 – 600 bps long -
DK2OM	7031,0 RF	---	--	09	RUS		unid			pulsing carrier and spurious – 7032.170 - Sevastopol
DK2OM	7038,8	---	--	09	RUS	P	A1A			Cluster beacon „P“ – Kaliningrad RUS Navy – “RMP”
DK2OM	7039,0	---	--	09	RUS	C	A1A			Cluster beacon „C“ - Moscow RUS Navy – “RIW”
DK2OM	7039,2	---	--	09	RUS	F	A1A			Cluster beacon „F“ - Vladivostok RUS Navy – “RJS”
DK2OM	7039,3	---	--	09	RUS	K	A1A			Cluster beacon “K” Petropavlovsk Kamchatskiy - RUS Navy - Pacific fleet - “RCC” - daily
DK2OM	7039,4	ady	dly	09	RUS	M	A1A			Cluster beacon „M“ – Magadan RUS Navy – „RTS“ - daily
DK2OM	7040,5	vt	dly	09	HRV		FSK8	125	1750	ALE, “9A5EX” “9A0ALE” – just for info
DK2OM	7049,5	vt	dly	09	HRV G F I	9A0ALE M1DFO F6BAZ IW3IPM	FSK8	125	1750	Amateur ALE, just for info! daily – various times
DK2OM	7050,0	vt	dly	09	KGZ		FSK8	125	1750	ALE, “X” “810” “820615” “810698” – Kyrgyzstan MIL
DK2OM	7055,0	vt	dly	09	UKR		LSB			music and Russian voices
DK2OM	7076,0	1440	14	09	RUS		F1B	75	500	
DK2OM	7088,8	vt	vd	09	S	SL0FRO	A1A			7088.830 kHz - cw-trainee, Sweden - SL0FRO - just for info!
DK2OM	7089,8	---	--	09	TUR		PSK8	2400	2400	Link11 - SLEW – aircraft ? west of Izmir
DK2OM	7099,5	vt	dly	09	HRV	9A0ZG	FSK8	125	1750	ALE, “9A0ZG” “9A5EX1P” “9A0OS” – daily - just for info!
DK2OM	7100,0	ady	23	09	CHN		PSK4A	60	2350	burst system “PRC-30” – 30 tones – 450 Hz pilot tone

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DK2OM	7102,0	vt	vd	09	HRV SUI D	9A0MIL	FSK8	125	1750	ALE, "9A3MIL" "9A2KS" "HB9MHB" "9A0ZG" "9A4OS" "DK0ESD" – just for info!
DK2OM	7107,0 RF	2033	01	09	RUS		FMOP		96k	coastal radar Sunflower - 43 sps 7107 – 7203 kHz – NE of Vladivostok
DK2OM	7110,0	vt	dly	09	HRV	9A0ALE	FSK8	125	1750	ALE, "9A0ALE" – just for info
DK2OM	7110,0	1837	26	09	SYR		F1B	50	200	RUS ship – Latakia
DK2OM	7110,0	1747	06	09			F1B	50	200	
DK2OM	7111,0	0746	04	09	RUS		PSK2A	120	2600	AT3004D - Moscow
DK2OM	7112,0 LSB	1608	11	09	CHN		PSK4A	60	2350	burst system "PRC-30" – 30 tones – 450 Hz pilot tone
DK2OM	7117,0	---	--	09	RUS	REA4	F1B	100	1000	mostly idling – Russian airforce Moscow – ident on CW at 1640 utc on the mark-QRG
DK2OM	7120,0	---	--	09	SOM		A3E		9k	Radio Hargeisa – Somaliland
DK2OM	7123,0	0920	13	09	RUS		FMOP		73k	coastal radar Sunflower - 43 sps 7123 – 7196 kHz – NE of Vladivostok
DK2OM	7132,0	1930	09	09	CHN		FMOP		48k	coastal radar Sunflower - 43 sps 7132 – 7180 kHz – East-China
DK2OM	7137,0	vt	dly	09	TWN		FSK8 LSB	125	1750	ALE, "EDKLT" "EVSNG" "ECCLT" "EFNGX" "EVNNM" "EVWRK" "EGFXA" "ECQUY" "EFYMO" "EWPEN" "ECXKF" "EWRAJ" "ECHTD" "EUIQE" "EBPGH" Taiwanese navy
DK2OM	7137,0	1840	13	09	RUS		F1B	50	200	Kaliningrad
DK2OM	7140,0	---	--	09	ERI		A3E		9k	7140.022 kHz - Radio Eritrea
DK2OM	7152,0	1630	13	09	RUS		F1B	75	500	Moscow
DK2OM	7162,0	1340	10	09	RUS		F1B	75	250	Moscow
DK2OM	7176,0	1515	27	09	RUS		F1B	75	250	Moscow
DK2OM	7179,0	1427	18	09	RUS		PSK2A	120	2600	AT3004D – RUS ship north of Crete
DK2OM	7182,0	1855	18	09	RUS	RDL	A1A F1A		200	ident „RDL“ at 0948 utc – RUS navy – „QC Z“ - Moscow
DK2OM	7185,0	0859	31	09	HRV		FSK8	125	1750	ALE, „9A5EX“ – just for info
DK2OM	7185,5	vt	dly	09	J TWN		FSK8	125	1750	ALE, "BV4AS" "JH1ESB" - just for info - daily
DK2OM	7195,0	2035	24	09	RUS		F1B	75	200	Sevastopol
DK2OM	7197,0	1427	21	09	TUR		FSK8	125	1750	ALE, „353013“ „334018“ - Turkish Sivil Avunma – Turkish Civil Defense
DK2OM	7198,0	1800	20	09	RUS		PSK2A	120	2600	AT3004D – test mode - Moscow
DK2OM	7200,0	---	--	09	MMR		A3E		9k	Myanmar Radio
DK2OM	10100,8	ady	dly	09	D	DDK9	F1B	50	450	Baudot - German Weatherservice – legal!
DK2OM	10110,0	vt	dly	09	SNG	no ITU	FSK8	125	1750	ALE, "CN6" "68" – Singapore Navy - Changi Naval Base
DK2OM	10113,0	vt	vd	09	TUN	no ITU	FSK8	125	1750	ALE, "TUD" "STAT5" "STAT154"
DK2OM	10114,0	vt	dly	09	ALG	no ITU	FSK8	125	1750	ALE, "BSF" "ZEN" "CM2OR2"
DK2OM	10114,8	0640	dly	09	RUS		F1B	100	1000	CIS14 – Moscow
DK2OM	10115,0	vt	dly	09	MRC	no ITU	FSK8	125	1750	ALE, "100" "114" "203" "XXZ" – West Sahara
DK2OM	10120,0	vt	dly	09	ALG	no ITU	FSK8	125	1750	ALE, "CM6" "01012016"
DK2OM	10123,0	vt	dly	09	ALG	no ITU	FSK8	125	1750	ALE, "CM3" "COF" "BSF" "CM2" "ESA" – Algerian Airforce
DK2OM	10124,0	vt	dly	09	ALG		FSK8	125	1750	ALE, "OEB" - ALG airforce
DK2OM	10129,0	vt	dly	09	ALG	no ITU	FSK8	125	1750	ALE, "CM1" "CTF" "772"

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DK2OM	10130,0	1140	18	09	RUS		F1B	100	500	unclean - area of Chita – daily, all day
DK2OM	10130,0	1837	06	09	MLI		FSK8	125	1750	ALE, „105002“ „105018“ - Mali
DK2OM	10132,0	vt	vd	09	F		USB			French amateurs not respecting bandplans and disturbing beacons
DK2OM	10136,0	vt	dly	09	ALG	no ITU	FSK8	125	1750	ALE, “CM3” “BLD” “CNC” “TF2”
DK2OM	10140,0	1835	18	09	MRC		USB			Moroccan fishery
DK2OM	10144,0	ady	dly	09	D	DK0WCY	A1A			10144.000 kHz - DK0WCY – German aurora beacon – just for info!
DK2OM	10144,0	0717	19	09	RUS		PSK2A	120	2600	AT3004D - Moscow
DK2OM	10145,5	vt	dly	09		JH1ESB	FSK8	125	1750	ALE, “JH1ESB” - just for info - daily
DK2OM	10145,5	vt	dly	09	TWN AUS	BV4AS	FSK8	125	1750	ALE, “BV4AS” “VK4SAA” – just for info!
DK2OM	13999,0	1136	06	09			USB			pirates in Portuguese voice – splattering up
DK2OM	14000,0	1612	03	09	FEa		USB			Far East pirates – east of Indonesia
DK2OM	14000,0	1503	11	09	CIS		USB			man in Russian voice
DK2OM	14000,0	1614	28	09	MRC		USB			Moroccan fishery
DK2OM	14001,0	1240	29	09	FEa		LSB			Far East pirates
DK2OM	14001,5	1615	03	09	ISR		PSK4 PSK8	75 2400	2400 2400	hybrid modem – ISR Navy – PSK4 parallel and PSK8 serial
DK2OM	14008,0	0935	02	09	RUS		F1B	50	5000	Moscow
DK2OM	14010,0	0847	07	09	CHN		FMOP		40k	OTH radar – 10 sps – 14010 – 14050 kHz - long lasting – NE China
DK2OM	14030,0	1205	11	09	FEa		USB			Far East pirates
DK2OM	14096,0	1013	27	09	CHN		FMOP		160k	14096 – 14256 - Chinese wideband OTH radar – 10 sps – jumping
DK2OM	14100,0	vt	dly	09	ALG	no ITU	FSK8	125	1750	ALE, “6206” “6204” “6212” “6202” “6203” “6207” “6217” “MTL” “IJI” – Mauritanian border – daily, all day
DK2OM	14108,0	---	--	09	RUS	6TY5	A1A			encrypted groups – RUS MIL – area of Moscow
DK2OM	14109,0	vt	dly	09	TWN	HAM	FSK8	125	1750	ALE, “BV4AS” – daily - just for info!
DK2OM	14109,0	vt	dly	09	S HRV D		FSK8	125	1750	ALE, “SM3FXL” “9A4OS” “9A3BRV” “DK0ESD” - just for info!
DK2OM	14109,0	vt	vd	09	J		FSK8	125	1750	ALE, “JH1ESB” – just for info
DK2OM	14133,0	0758	25	09	RUS		F1B	75	250	Ulan Ude
DK2OM	14153,0	0910	18	09	CHN		FMOP		160k	14153 – 14313 - Chinese wideband OTH radar – 10 sps – jumping
DK2OM	14155,0	0856	08	09	CHN		FMOP		160k	14155 – 14315 - Chinese wideband OTH radar – 10 sps
DK2OM	14160,0	vt	dly	09	MRC		FSK8	125	1750	ALE, “9204” “9228” “9236”
DK2OM	14160,0	0850	14	09	RUS		F1B	50	250	Moscow
DK2OM	14173,0	vt	vd	09			FSK8	125	1750	ALE, „ABC“ „AK0“ „DD2“ „XYZ“
DK2OM	14190,0	0946	22	09	CHN		FMOP		160k	14190 – 14350 - Chinese wideband OTH radar – 10 sps
DK2OM	14192,0	vt	dly	09	RUS		F1B	50 75 50 100 100	500 500 200 500 200	RUS navy Kaliningrad - daily
DK2OM	14221,0	2030	dly	09	KGZ		F1B	50	200	Bishkek – mostly idling - daily various times
DK2OM	14225,0	0854	08	09	CHN		FMOP		10k	unid radar bursts – 30 sps – NW

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
										of Wuhan - daily – various times
DK2OM	14230,0	0820	06	09	CHN		FMOP		40k	OTH radar – 10 sps – 14210 – 14250 kHz - NE China
DK2OM	14258,0	0810	14	09	CHN		FSK8	125	1750	ALE, „942“ „915“
DK2OM	14260,0	vt	dly	09	SRB	YU1BI	FSK8	125	1750	ALE, “YU1BI” – just for info!
DK2OM	14260,0	---	--	09	UKR		A3E			female voice with encrypted msgs – figures – “SZRU” = Foreign Intelligence Service of Ukraine in Rivne
DK2OM	14295,0	vt	dly	09	SRB	YU1BI	FSK8	125	1750	ALE, “YU1BI” – just for info!
DK2OM	14345,9	vt	dly	09	THA	HS0ZEA	A1A			HS0ZEA beacon – 14345.934 kHz - every 5 minutes – daily - just for info!
DK2OM	14346,0	vt	dly	09	POR		FSK8	125	1750	ALE, “CT2IXQ” just for info – various times, daily
DK2OM	14346,0	0916	16	09	CHN		FMOP		10k	Chinese OTH radar – 66.66 sps – 3.8 sec bursts
DK2OM	18060,0	1200	05	09	CYP		FMOP		20k	18060 – 18080 - OTH radar Cyprus – 50 sps
DK2OM	18080,0	0630	dly	09	TWN		A3E/BC			Sound of Hope – Taiwan and Chinese BC jammer – daily at 06 utc and later
DK2OM	18100,0	vt	dly	09	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	09	POR	CT2GOY	FSK8	125	1750	ALE, “CT2GOY” – just for info!
DK2OM	18106,2	vt	dly	09	TWN		FSK8	125	1750	ALE, “BV4AS” – just for info!
DK2OM	18107,0	vt	vd	09	RUS	RDL	F1B	50	200	CIS-50-200 - Moscow – idle and traffic – daily - Russian navy – shared band!
DK2OM	18150,0	---	--	09	RUS		F1B	100	1000	harmonic from 9075 (100 Bd, 500 Hz) - Kaliningrad
DK2OM	21000,0	---	--	09	B		USB			Brazilian pirates – Rio de Janeiro with North Brazil – very often
DK2OM	21096,0	vt	dly	09	INS	YD00XH	FSK8	125	1750	ALE, “YD00XH3” – daily, various times - just for info!
DK2OM	21096,0	vt	vd	09	G		FSK8	125	1750	ALE, “M1DFO” – just for info!
DK2OM	21145,0	vt	dly	09	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	---	--	09	RUS		F1B	100	1000	harmonic from 10595 kHz - Moscow
DK2OM	21400,0	---	--	09	RUS		F1B	50	2000	harmonic from 5350 kHz – area of Moscow
DK2OM	21435,0	0850	19	09	CHN		FMOP		10k	Chinese OTHR – 42 sps – 3 sec bursts
DK2OM	21438,0	vt	vd	09	RUS	RCV	A1A			RKZ – RJV de RCV - RUS Navy Sevastopol - often
DK2OM	21446,0	---	--	09	THA	HS0ZEA	A1A			HS0ZEA beacon – every 5 minutes - just for info!
DK2OM	25000,0	---	--	09	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	---	--	09	B		A3E			Brazilian CBers – 28000 – 28325 – daily, all day - no change
DK2OM	28000,0	vt	dly	09	CIS		F3E			28000 – 29700 numerous CIS taxi nets – no change

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DK2OM	28025,0	---	--	09	POR		F1B	51	320	F1B bursts - west of Lisbon – Atlantic Ocean - Enagal GPS buoy
DK2OM	28035,0	---	--	09	RUS		F3E			RUS taxi – Moscow - daily
DK2OM	28051,5	---	--	09	POR		F1B	51	320	F1B bursts - west of Lisbon – Atlantic Ocean - Enagal GPS buoy
DK2OM	28065,0	---	--	09	POR		F1B	51	320	F1B bursts - west of Lisbon – Atlantic Ocean - Enagal GPS buoy
DK2OM	28075,0	---	--	09	POR		F1B	51	320	F1B bursts - west of Lisbon – Atlantic Ocean - Enagal GPS buoy
DK2OM	28085,1	---	--	09	POR		F1B	51	320	F1B bursts - west of Lisbon – Atlantic Ocean - Enagal GPS buoy
DK2OM	28212,0	---	--	09	POR		F1B	51	320	F1B bursts - west of Lisbon – Atlantic Ocean - Enagal GPS buoy
DK2OM	28275,0	---	--	09	POR		F1B	51	320	F1B bursts - west of Lisbon – Atlantic Ocean - Enagal GPS buoy
DK2OM	28435,0	----	--	09	E		F1B	81.9	140	Datawell-buoy “Waverider” – 28435.040 kHz – Costa del Sol – Malaga
DK2OM	28459,8	---	--	09	GAB		A3E		1060	carrier and dots in USB and LSB, bursts every 60 sec – carrier – Gabon - daily
DK2OM	28499,8	---	--	09	MEa		F1B	81.9	140	Datawell-buoy “Waverider” – 28499.875 kHz – Persian Gulf
DK2OM	28746,5	---	--	09	GAB		A3E			carrier and dots in USB and LSB, bursts every 60 sec – carrier – Gabon
DK2OM	28751,6	---	--	09	GAB		A3E		1080	carrier and dots in USB and LSB, bursts every 60 sec – carrier – Gabon
DK2OM	28860,0	---	--	09	IRN		AM-pulse		55k	Iranian radar bursts – 313 and 150 sps – long lasting
DK2OM	29114,0	---	--	09	RUS		F1B	100	2000	harmonic from 14557.0 kHz - Moscow
DK2OM	29249,9	---	--	09	E		F1B	81.9	140	Datawell-buoy “Waverider” – 29249.880 kHz – Spain Fuerteventura – reported by CT2IWW
DK2OM	29375,0	---	--	09	I		F1B	81.9	140	Datawell-buoy “Waverider” – 29374.898 kHz – Gallipoli, South Italy - daily, all day
DK2OM	29387,5	---	--	09	IND		F1B	81.9	140	Datawell-buoy “Waverider” – 29387.460 kHz – Indian NW coast, close to Pakistan - daily, all day
DK2OM	29400,0	---	--	09	USA		F1B	81.9	140	Datawell-buoy “Waverider” – 29400.070 kHz - USA north-east coast – NY daily, all day
DK2OM	29450,0	---	--	09	MRC		F1B	81.9	140	Datawell-buoy “Waverider” – 29449.863 kHz - area of El Aaiun – Morocco - daily, all day
DK2OM	29500,0	---	--	09	G		F1B	81.9	140	Datawell-buoy “Waverider” – 29499.974 kHz- area of Gibraltar – daily, all day
DK2OM	29525,0	---	--	09	MRC		F1B	81.9	140	Datawell-buoy “Waverider” – 29524.990 kHz - Agadir - Morocco – daily, all day
DK2OM	29625,0	---	--	09	USA		F1B	81.9	140	Datawell-buoy “Waverider” – 29625.024 kHz - USA north-

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
										east coast – daily, all day
DK2OM	29685,0	---	--	09	I		VFT		2300	Italian MIL – Brescia - daily
DK2OM	29699,5	---	--	09	I		VFT		1600	Italian MIL – Brescia - daily
DK2OM	50100,0	vt	dly	09	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	0335	20	09	RUS		USB/LS B	RUS navy Kaliningrad. Daily in the night.
IRTS	3520	0732	04	09	F or MM		USB	2 French fishermen. Strong.
IRTS	3540	0745	28	09	MM		USB	2 Japanese male persons chatting. Plenty of “dodo”.
IRTS	3550	0605	04	09	F		AM	French Hams still violating the band plan.
IRTS	3585	1130	17	09	E or MM		USB	2 Spanish fishermen. Weak signals.
IRTS	3585	1430	20	09	E or MM		USB	2 Spanish fishermen having a great time.
IRTS	3590	0745	06	09	HOL or MM		USB	A group of Dutch fishermen chatting.
IRTS	3591	0615	04	09	F		AM	More French Hams violating the band plan also on this frequency.
IRTS	3591	1159 to 1215	27	09	E or MM		USB	2 Spanish fishermen chatting.
IRTS	3617	0825	03	09	HOL or MM		USB	2 Dutch fishermen chatting.
IRTS	3640	1044 to 1055	08	09	POR or MM		USB	2 Portuguese fishermen. Strong clear signals. Loud motor noise from one of the ships.
IRTS	3686	0822	01	09	IRL or MM		USB	2 Irish fishermen. One of them is the Egyptian monitored already last month. Very tentative name: Hassan. The other person is called Shane and has a Galway accent. Ends 0822z.”Give me a shout in a while.”1047z: The Egyptian calls for Shane-no answer. Short contact at 1117z. Back again 1202z.The Egyptian has VHF traffic in the background. He uses the f-word as well- but much less then Shane. Tries to make a mobile phone contact with Shane. Established at 1214z- and they both leave HF.
IRTS	3720.5	1420	20	09	POR or MM		USB	2 Portuguese fishermen chatting.
IRTS	3735	1120	07	09	E or MM		USB	2 Spanish fishermen just ending their chat.
IRTS	3791	1406 to 1458	26	09	POR or MM		USB	2 Portuguese fishermen. Very strong. Sound of a mobile phone call ID comes up at the end.
IRTS	5300	1357	01	09	F or MM		USB	2 French fishermen. Medium signal strength from both ships. Clear audio. Machine noise audible. EI spot frequency. Heard also 09/09 at 1730z.
IRTS	5329	2048	14	09	POR or MM		USB	Group of Portuguese fishermen. Loud motor noise from one of the ships. Splattering up to the Irish spot frequency of 5330.5 KHz.
IRTS	5345.5	1125	06	09	F or MM		USB	Group of French fishermen. Huge signals. Splattering up to the Irish spot frequency of 5346.5 KHz.
IRTS	5368	2140	13	09	POR		USB	2 Portuguese fishermen, strong.

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	DETAILS	
					or MM				
IRTS	5378	0015	02	09			FMCW		Radar from 5378 to 5414 KHz.
IRTS	5400	0544	03	09			USB		An Arab voice calls several times but gets no answer. EI spot frequency.
IRTS	7055	0600	05	09	UKR /RUS		LSB		Loud propaganda MX and shouting of political slogans. UKR-RUS radio war. Heard on many days at various times.
IRTS	7111	0530	12	09			F1B		Strong digital signal
IRTS	7184.5	1625	17	09			Digital		Huge digital signal from 7184.5 to 7190.5 KHz.
IRTS	10121.5	1045	18	09	MRC or MM		USB		2 Moroccan fishermen chatting. Strong signals.
IRTS	14159	0908	14	09			F1B		Strong digital signal
IRTS	14192	1355	09	09	RUS		F1B		RUS navy Kaliningrad. Daily for all hours of daylight. Strong.
IRTS	14200	1155	20	09			FMCW		Radar from 14200 to 14355 KHz.
IRTS	14207	0905	06	09			FMCW		Strong radar from 14207 to 14251 KHz. Persistent- still on 40 minutes later.
IRTS	14210	0755	28	09			F1B		Big signal
IRTS	14212	1211- 1216	27	09	UKR		USB		Ukrainian secret service with female voice giving the number "425" all the time.
IRTS	14260	0730- 0930	18	09			Digital		Strong digital signal on the IOTA frequency.
IRTS	18080	0705	26	09	TWN		AM		Voice of Hope, Taipei. Nearly daily, but very weak.
IRTS	18157	0805	28	09			FMCW		Radar from 18157 to 18179 KHz.

KARS – Kuwait – 9K2RR (Faisal)

MRASZ – Hungary - HA7PL (Laci)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
MRASZ	1810,0	1729	24	9			A1A		"VVV de YR2TOP LOC KN04RU" beacon
MRASZ	1854,0	1732	24	9			A1A		OK0EV beacon
MRASZ	3527,0	1751	25	9			PSK2		
MRASZ	3536,0	1822	23	9			OTHR		80 Hz, hrd: 25
MRASZ	3544,0	1730	23	9			F1B	250	hrd: 24
MRASZ	3547,0	1750	15	9			A1A		"HJDQX LFBVS ÄDCZU"
MRASZ	3548,0	1700	23	9			F1B	200	hrd: 24, 25, 27, 28
MRASZ	3598,0	1721	27	9			F1B	250	
MRASZ	3607,0	1736	24	9			PSK2		
MRASZ	3704,0	1723	27	9			PSK2		
MRASZ	3720,5	1702	5	9			A1A		VVV string
MRASZ	3723,0	0754	23	9			PSK2		
MRASZ	3738,0	1800	10	9			LSB		music and singing
MRASZ	3770,0	1725	24	9			F1B	250	
MRASZ	7020,5	0807	23	9			A1A		"UUUUU continously
MRASZ	7050,0	1108	9	9			LSB		russian political propaganda
MRASZ	7050,0	1737	23	9			LSB		russian
MRASZ	7052,5	1408	8	9			LSB		russian + chaos
MRASZ	7052,5	1558	23	9			LSB		russian chaos
MRASZ	7055,0	1725	4	9			LSB		chaos as usually
MRASZ	7055,0	0951	21	9			LSB		russian chaos
MRASZ	7055,0	1557	23	9			LSB		music
MRASZ	7057,0	1541	28	9			PSK2		
MRASZ	7088,0	1857	25	9			F1B	200	hrd: 26
MRASZ	7110,0	1705	5	9			F1B	200	hrd: 10, 15, 20, 21, 23, 25, 26, 27, 28, 30
MRASZ	7110,0	1559	28	9			F1B	1000	
MRASZ	7137,0	1848	4	9			F1A	200	"81327 15521 11967"

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
MRASZ	7137,0	1851	4	9			F1B	200	
MRASZ	7137,0	1602	20	9			F1B	200	
MRASZ	7140,0	1706	5	9			A3E		hrd: 10, 15, 20, 21, 23, 25, 26, 27, 28, 30
MRASZ	7140,0	1758	10	9	ERI		A3E		R. Eritrea, hrd: 19, 20, 23, 24, 25
MRASZ	7176,0	1722	24	9			F1B	250	
MRASZ	7181,5	1711	19	9	ERI		A3E		R. Eritrea hrd: 20, 23, 25
MRASZ	7184,0	1703	24	9			PSK2		
MRASZ	7195,0	1702	24	9			F1B	200	
MRASZ	10114,7	0720	20	9			F1B	1000	hrd: 21
MRASZ	10130,0	1216	28	9			F1B	500	
MRASZ	10135,0	1218	28	9			OTHR		10125-10145 kHz; 50 Hz
MRASZ	14014,0	1223	15	9			A1A		"VVV de QC5I QTC"
MRASZ	14160,0	1005	21	9			F1B	250	
MRASZ	14242,0	0748	23	9			PSK2		

OEVSZ – Austria – OE3GSA (Gerd)

PZK – Poland – SP9BRP (Jan)

REF – France – F5MIU (Francis)

NA

REP – Portugal – CT4AN (Jose Francisco)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
REP	3520	09.03	12	09	F		J3E-U			French fishery, daily
REP	3527	09.02	12	09	POR		J3E-U			Portuguese fishery
REP	3540	07.02	25	09	J		J3E-U			Japanese fishery, Atlantic
REP	3550	23.09	01	09	E		J3E-U			Spanish fishery
REP	3550	06.42	20	09	F		A3E			French amateurs ignoring Bandplans daily
REP	3562	07.02	25	09	E		J3E-U			Spanish fishery
REP	3570	07.51	04	09	F		J3E-U			French fishery
REP	3701	07.27	13	09	E		J3E-U			Spanish language comms drill, vy QRN
REP	3720	07.08	25	09	E		J3E-U			Spanish fishery
REP	3756	22.45	14	09	RUS		A3E			Russian marker
REP	3756	06.35	20	09	F		J3E-U			French fishery
REP	5350	17.20	04	09	E		J3E-U			Spanish fishery splattering
REP	6999	08.12	04	09			J3E-U			Arabic/unid dialect fishery, several days
REP	7000	17.03	04	09			J3E-U			Unid language
REP	7000	19.36	12	09			J3E-U			Arabic lang fishery
REP	7010	08.16	04	09			MFSK8			Mil ALE net 92xxx series, unid digimode, daily
REP	7045	09.11	07	09			MFSK8			Mil ALE net 20xx series, sounds and calls daily
REP	7045	08.07	17	09			PSK8			Unid Mil188-110b digi bursts
REP	7070	11.16	07	09			MFSK8			Mil ALE net 20xx series, sounds and calls daily
REP	7085	18.00	10	09	RUS		F1B	75	250	CIS50
REP	7100	16.41	20	09	RUS		F1B	50	200	CIS36-50
REP	7109	07.55	17	09			J3E-U			Arabic lang. Fishery, engine noises
REP	7137	07.55	17	09	RUS		FSK			CIS 36-50 50/200 Russian mil. Also FSK CW
REP	7160	20.00	11	09			PSK			LINK11 CLEW Nato
REP	10115	20.35	06	09	E		J3E-U			Spanish fishery

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
REP	10115	19.43	18	09		1016	FSK-8			Unid 10xx, 20xx net sound ALE
REP	10120	23.49	07	09			A3E			Letters Station - 5 letters
REP	10130	19.28	13	09	MRC		J3E-U			Fishery
REP	14025	12.55	08	09	RUS		PSK2	120	3k	AT3004, 12x120bps
REP	14110	09.18	02	09			FMCW			OTH radar
REP	14195	10.12	05	09	RUS		FSK	50	200	Navy encrypted
REP	14282	09.00	14	09			J3E-U			Unid lang. w/some spanish words, vy brief qso's
REP	14326	10.10	19	09	E		J3E-U			Spanish fishery
REP	18090	11.09	02	09			FMCW	50	20k	OTH radar
REP	21200	13.01	02	09	MRC		J3E-U			Fishermen
REP	28025	19.45	10	09			F1B	51	270	Enagal buoy
REP	28030	19.00	17	00		Y	A1A			Drifnet buoy (low level)
REP	28555	10.00	09	09	RUS		F3E			Taxis dispatcher
REP	28725	11.15	09	09	RUS		F3E			Taxis dispatchers

RSGB - Great Britain – G4DYA (Richard)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/BW	DETAILS
RSGB	3532.0	vt	25,26	09			B7D		6K00-E	ISB / Link 11 CLEW. (Shared band)
RSGB	3540.0	0610	25	09			J3E			USB pirates
RSGB	3550.0	0523	26	09			A3E		6K00-E	French-speaking amateurs ignoring bandplan
RSGB	7038.5	ady	dly	09	CZE	OK0EU	A1A			For info: QRP propagation beacon
RSGB	7065.9	1620	10	09			N0N			Possibly idle F1B
RSGB	7110.0	vt	vd	09			F1B		200	
RSGB	7137.0	vt	vd	09			F1B		200	
RSGB	7162.0	1135	10	09			F1B		250	
RSGB	7179.0	vt	vd	09			J7D			USB 7177.0 / CIS-12
RSGB	7182.0	2042	07	09			F1B		200	
RSGB	7195.0	2019	24	09			F1B		200	
RSGB	10100.8	ady	dly	09	D	DDK9	F1B	50	450	For info: Primary user: WX broadcast
RSGB	10110.0	1915	05	09			A3E			BC
RSGB	14008.0	vt	02	09			F1B		500	

SRAL – Finland – OH2BLU (Pekka)

Society	QRG	UTC	DD	MM	CTRY	IDENT	MODE	BAUD	SHIFT	REMARKS
SRAL	7000.0	1445-1620	7	9	RUS	UiMUX	PSK2	120	2600	
SRAL	7001.0	1100-1130	4	9	RUS	UiMUX	PSK2	120	2600	
SRAL	7008.5	0810-0915	19 25	9	RUS	UiMUX	PSK2	120	2600	
SRAL	7013.0	1030-1200	6	9	RUS	UiMUX	PSK2	120	2600	
SRAL	7016.0	1040-1616/	6 7	9	RUS	UiPTR	F1B		250	
SRAL	7018.0	0820-0905/	19	9	RUS	UiMUX	PSK2	120	2600	
SRAL	7018.9	0500-1900/	*	9	RUS	N9GA	F1A/ N0N		250	5F
SRAL	7020.0	1040-1120	26	9	RUS	UiPTR	F1B		250	
SRAL	7022.0	1040-1305/	7 19	9	RUS	UiMUX	PSK2	120	2600	
SRAL	7024.0	1515-1545	7	9		UiPTR	F1B		250	
SRAL	7027.0	1300-1900	14	9		UiMUX	PSK2	120	2600	

Society	QRG	UTC	DD	MM	CTRY	IDENT	MODE	BAUD	SHIFT	REMARKS
SRAL	7030.0	1430-1622/	10	9	RUS	UiPTR	F1B		250	
SRAL	7044.0	1445-1550	3 21	9	RUS	UiPTR	F1B N0N		250	
SRAL	7049.0	1030-1300/	12 19	9	RUS	UiPTR	F1B		200	
SRAL	7050.5	2325	25	9		UiMUX	PSK2	120	2600	
SRAL	7051.0	0925-1500	24	9		UiPTR	F1B/ N0N		200	
SRAL	7057.0	1030-1700	*	9	RUS	UiMUX	PSK2	120	2600	Days: 13. 24. 28.
SRAL	7066.0	0500-1830	9 10	9		UiPTR	F1B		200	
SRAL	7076.0	0735-0755/	26	9	RUS	UiMUX	PSK2	120	2600	
SRAL	7078.0	'0755	22	9		UiMUX	PSK2	120	2600	
SRAL	7088.0	0735-2325	*	9		UiPTR	F1B		200	Days: 25. 26. 27.
SRAL	7092.0	0530-1300	16	9		UiMUX	PSK2	120	2600	
SRAL	7099.0	1810	18	9		XTJB	A1A			
SRAL	7110.0	0200-1930	*	9	RUS	UiPTR	F1B/ N0N		200	Days: 3. - 30. ship
SRAL	7111.0	0425-1120	26 29	9	RUS	UiPTR	F1B		250	
SRAL	7114.0	1715-1815	2	9		UiPTR	F1B/ N0N		200	
SRAL	7114.0	'0855	19	9	RUS	UiMUX	PSK2	120	2600	
SRAL	7117.6	'0730	12	9		UiCW	A1A			5F
SRAL	7118.0	0540-1241/	1 3	9	RUS	UiMUX	PSK2	120	2600	
SRAL	7120.0	1830-1930	13	9	SOM	R.Hargeis a	A3E			
SRAL	7124.0	1240-1313/	7	9	RUS	UiMUX	PSK2	120	2600	
SRAL	7124.0	1755	18	9		UiPTR	F1B		200	
SRAL	7127.0	0630-1215	*	9		A3DU	A1A			Days: 3. 10. 12. 16. 5F, 5BL
SRAL	7137.0	0130-1930	*	9	RUS	UiPTR	F1A/ N0N		200	Days: 1. 4. 7. 9. 12. 13. 15. 16. 17. 20. 24. 25.
SRAL	7139.0	0545-0605	4	9		UiMUX	PSK2	120	2600	
SRAL	7140,0	0330-0500	*	9	ERI	VoBME	A3E			Days: 5. 6. 7. 9. 10. 11. 13. - 24. 30.
SRAL	7140,0	1430-1835/	*	9	ERI	VoBME	A3E			Days: 5. 6. 7. 9. 10. 11. 13. - 24. 30
SRAL	7140.0	0800-0815	4	9	RUS	UiMUX	PSK2	120	2600	
SRAL	7160.0	0645-0800	*	9	RUS	UiCW	A1A			Days: 12. 18. 19. 5BL
SRAL	7161.0	0430-0900	29	9	RUS	UiMUX	PSK2	120	2600	
SRAL	7162.0	0600-1615/	10 19	9	RUS	UiPTR	F1B		250	
SRAL	7172.0	0910-0940	16	9		UiCW	A1A			
SRAL	7173.0	1100-1120	4	9		UiPTR	F1A/B/ N0N			
SRAL	7176.0	0755-1450	24 27	9	RUS	UiPTR	F1B		250	
SRAL	7178.0	0540-0550/	16	9		UiCW	A1A			5BL
SRAL	7178.5	1255-1425	20	9		8S1Q	A1A			msg
SRAL	7179.0	0130-1930	*	9	RUS	UiMUX	PSK2	120	2600	Days: 7. 10. 18. 22. 24. 25.

Society	QRG	UTC	DD	MM	CTRY	IDENT	MODE	BAUD	SHIFT	REMARKS
SRAL	7181.9	0330-1830	*	9		UiCarr	N0N			Days: 2. 16. 18. 20. 22. - 27.
SRAL	7186.0	1130-1615	22	9		UiMUX	PSK2	120	2600	
SRAL	7195.0	0235-1925	24 25	9	RUS	UiPTR	F1B		200	
SRAL	7196.0	0540-1445	*	9		TPFX, WHMG	A1A			Days: 1. 6. 7. 9.
SRAL	7198.0	0430-1445	21 25	9	RUS	UiMUX	PSK2	120	2600	
SRAL	10 MHz			9		UiOTHR	FMCW			25/50Hz, 20 kHz (WebSDR 6d)
SRAL	14008.0	0845-0940	2	9	RUS	UiPTR	F1B/ N0N		250	
SRAL	14030.0	0710-1000	7	9		UiOTHR	FMCW			10 Hz, 40 kHz
SRAL	14221.0	0340-0600/	dly	9	KGZ	UiPTR	F1B		200	
SRAL	14230.0	0700-1000/	6	9		UiOTHR	FMCW			10 HZ, 40 kHz
SRAL	18 MHz	0900-1300	16 23	9	CYP	UiOTHR	FMCW			25/50Hz / 20 kHz, (WebSDR 9d)
SRAL	18080.0	'0740	23	9	TWN	RFA	A3E			
SRAL	18107.0	'0700	24	9	RUS	RDL	F1A/B		200	
SRAL	21 MHz			9	CYP	UiOTHR	FMCW			25/50Hz / 20 kHz, (WebSDR 4d)
SRAL	24 MHz			9		UiOTHR	FMCW			(WebSDR 0d)
SRAL	28 MHz			9	IRN	UiOTHR	FMCW			307 & 870 Hz / 60 kHz.
SRAL	28860.0			9	IRN	UiOTHR	FMCW			150 & 313 Hz / 60 kHz.
SRAL	28 MHz			9		UiOTHR	FMCW			25/50Hz / 20 kHz (WebSDR 0d)
SRAL	28 MHz			9	RUS	Taxi disp.	F3E			No reports

URE – Spain – EA6AMM (Gaspar)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
URE	3527	22:00	17	9	RUS		F1B	50	200	Severomorrsk
URE	3548	21:47	17	9			F1B			
URE	3591	22:04	17	9	RUS		F1B	75	250	Kaliningrad
URE	5363,6	VT	VD	9			PSK8A	2400	2400	STANAG 4285
URE	7017,9	08:17	19	9			PSK2A	120	2600	AT3004D. TDoA = Tver
URE	7027,8	18:10	12	9						Broken digital signal?
URE	7055	VT	VD	9	RUS		J3E			Relayed BC
URE	7088,8	07:28	19	9	S	SLOFRO	A1A			CW Trainee. Sweden. Just for info!
URE	7110	VT	VD	9			F1B		200	
URE	7110	VT	VD	9			F1B		200	
URE	7113,8	21:20	6	9					2700	
URE	7119,8	20:51	2	9			PSK2A	120	2600	AT3004D. Vid
URE	7136,9	20:39	17	9			N0N			Carrier. Long lasting
URE	7137	VT	VD	9			F1B		200	Baltic Sea (TDoA)
URE	7137	20:54	17	9			F1B	50	200	Kaliningrad
URE	7158,5	VT	12V D	9						7158,5 to 7160 Unknown(links mail)
URE	7162	VT	VD	9	RUS		F1B	75	250	Moscow
URE	7179	17:34	8	9			PSK2A	120	2600	AT3004D
URE	10102,9	06:45	7	9	RUS		F1B	50	200	
URE	10110	18:48	5	9						BC transmission Arabic Language. Vid
URE	10111,4	06:50	6	9			J3E			Spanish fishermen.
URE	10114,8	VT	VD	9			F1B	100	100	CIS-14. Moscow
URE	10120	21	17	9			J3E-U			Unid persons talking. Arabic language.
URE	10125,5	21:08	17	9						OTH Radar 10121 to 10131 KHz
URE	10130	12:07	4	9	RUS		F1B		500	NW Irkutsk (TDoA)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
URE	10142	08:09	19	9			F1B		200	
URE	10144	07:34	12	9			PSK2A	120	2600	AT3004D
URE	14036,1	21:54	17	9			N0N			Carrier. Long lasting
URE	14113,5	VD	VT	9			F1B	600	600	DRPK-FSK System
URE	14135	06:45	7	9			PSK2A	120	2600	AT3004D
URE	14192	20:35	17	9	RUS		F1B	50	200	Kaliningrad. RUS Navy
URE	14220,3	06:43	6	9			F1B	600	600	DPRK-FSK 600 System. A
URE	14259	08:28	19	9			N0N			Carrier. Long lasting.

USKA – Switzerland – HB9CET (Peter)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH (BW)	DETAILS
USKA	7024.0	1331	07	09	RUS		F1B	75	250	
USKA	7110.0	1601	02	09			F1B	50	250	
USKA	7110.0	1434	07	09			F1B	50	200	
USKA	7114.0	1546	02	09			F1B	50	200	CIS 50-50
USKA	7137.0	1721	04	09			F1B	36+50	200	CIS 36-50
USKA	7175.0	1714	04	09			J7D	12x120	2k7	BPSK; CIS12
USKA	14192.0	1305	03	09			F1B	50	200	almost daily
USKA	14221.0	1819	04	09			F1B	50	200	often
USKA	18107.0	1136	02	09			F1B	50	200	often
USKA	18107.0	1702	06	09		RDL	F1A		200	CW: letters and figures often
USKA	21353.5	1648	06	09			F1B	600	600	ARQ

Veron – Netherlands – PG1R (Ruud)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SHIFT	DETAILS
VERON	3501,0	1815	29	09		UiPTR	F1B		Ptr
VERON	3527,0	2014	12	09	CIS	UiPTR	F1B		Revs/Ptr
VERON	3548,0	1955	18	09	CIS	UiPTR	F1B		Revs/Ptr
VERON	3598,0	1749	27	09		UiPTR	F1B		Ptr
VERON	3619,0	1957	18	09	CIS	6H9P	A1A		6H9P 074 30 18 2251 074 = 285 = 5BL
VERON	3619,0	2002	18	09	CIS	6H9P	A1A		6H9P 336 27 18 2255 336 = 285 = 5F
VERON	3619,0	2005	18	09	CIS	K14B	A1A		3FCA de K14B QTC K
VERON	3619,0	2005	18	09	CIS	K14B	A1A		K14B 071 29 18 2259 071 = 285 = 5F
VERON	3737,0	2012	18	09		UiPTR	F1B		Idling
VERON	7000,0	2053	02	09	I		J3E-1		3 persons; Italian speech; no calls; discussing tech matters; pirates?
VERON	7038,5	1913	02	09		UiCar	NON		Strong carrier; S9; rapid QSB
VERON	7040,1	2049	02	09					Fault carrier with 1 sec pulses
VERON	7043,4	1433	20	09		UiCW	F1A	200	Idling; S8
VERON	7050,0	vt	vd	09	UKR/RUS		J3E-1		2 TX; S7; Russian speech; no calls
VERON	7055,0	vt	vd	09	UKR/RUS		J3E-1		2 TX; S4; Russian speech & music; no calls
VERON	7056,0	1948	02	09		UiRadar	FMOP	10k	OTHR; 43sps
VERON	7110,0	vt	vd	09	CIS	UiPtr	F1B	200	Printer; S4-9+
VERON	7120,5	2043	02	09		UiMux	PSK8A	2k4	S8 QSB
VERON	7137,0	1955	12	09	CIS	UiPTR	F1B		Revs/Ptr
VERON	7137,0	2002	12	09	CIS	UiCW	F1A		5F
VERON	7137,0	2010	12	09	RUS	RDL	F1A		RDL 22222 5F
VERON	7137,0	1848	17	09	RUS	UiPtr	F1B	200	Ptr
VERON	7137,0	1822	20	09	RUS	UiPtr	F1B	200	Ptr
VERON	7137,0	1840	04	09	RUS	UiCAR	NON		carrier
VERON	7137,0	1704	09	09	RUS	UiPtr	F1B	200	Printer; S9+
VERON	7140,0	1714	09	09	ERI	R.Eritrea	A3E	8k	S5; Kiwi SDR DF located
VERON	7176,5	1723	08	09		UiMux	FSK8	1k8	S6 QSB; amateur operation?

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SHIFT	DETAILS
VERON	7179,0	1925	08	09	RUS	UiMux	PSK2A	2k7	S7
VERON	7179,0	2129	09	09	RUS	UiMux	PSK2A	2k7	S7
VERON	7198,0	1831	20	09	RUS	UiMUX	PSK2a		12 MPSK AT3004D
VERON	10103,0	0912	21	09	CIS	N9GA	F1A		N9GA 829 42 21 1115 829 = FM 632058 FOR 165027 = DDDDD 5BL
VERON	10142,0	0855	12	09		UiPTR	F1B		Ptr
VERON	14008,0	0938	11	09	CIS	UiPTR	F1B		Carrier/Revs/Ptr
VERON	14008,0	0956	24	09	?	?	F1B	500	strong carrier and ptr
VERON	14014,0	1000	15	09		?	A1A		2KLJ QTC ZFW AR
VERON	14014,0	1005	15	09		QC5I	A1A		QC5I 574 44 1248 574 BT ZFW 609 BT MMMMM (etc 5BL) Ends: 554 K
VERON	14014,0	1006	15	09		QC5I	A1A		HZAU DE QC5I R 57I IMI K
VERON	14014,0	1007	15	09		QC5I	A1A		VSVV DE QC5I proc
VERON	14014,0	0856	24	09		O8OR	A1A		5BL
VERON	14014,0	1022	04	09	CIS	4S2L	A1A		P4KJ de 4S2L K R K
VERON	14029,5	0916	27	09		UiPTR	F1B		Revs/Ptr
VERON	14105,0	1908	01	09	CIS	UiPtr	F1B	250	Printer; S6
VERON	14108,5	1100	02	09	CIS	UiPtr	F1B	200	Printer; S5
VERON	14136,0	1044	18	09	RUS	UiMUX	PSK2a		12 MPSK AT3004D
VERON	14192,0	1022	02	09	RUS	UiPtr	F1B	200	Printer; S4; RUS navy; Kaliningrad
VERON	14240,0	1031	11	09	RUS	UiPtr	F1B		Ptr
VERON	14240,0	0940	11	09		UiPTR	F1B		Fast Revs

The monitoring team of IARU Region 1

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All our friends and contributors worldwide!

Many thanks for your interest!

compiled and published by DK2OM - October 2018