



International Amateur Radio Union

Region 1



Monitoring System

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The monthly newsletter for Region 1

January 2017

The 30 members of the IARUMS Region 1 Monitoring Team:



Acknowledgements

ARAT: 3V8CB – Ahmed ++ ARI: DH7SA – Salvatore ++ ARSK: 5Z4BV - Kamweti ++ ASTRA: DL1BDF – Mustapha ++ 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 ++ OEVS: OE3GSA – Gerd ++ PZK: SP9BRP – Jan ++ RAL: OD5RI – Riri ++ REF: F5MIU – Francis ++ REP: CT4AN – Jose ++ ROARS: A41MA - Younis ++ RSGB: M0VRR - Vaughan ++ SARL: ZS6NS - James ++ SRAL: OH2BLU - Pekka ++ SSA – Ullmar ++ UBA: ON8IM – Ivan +++ URE: EB1TR - Fabian ++ USKA: HB9CET - Peter ++ VERON: PA2GRU - Dick ++ ZRS: S56ZDB – Darko ++ G3VZV – Graham (satellite) ++ TG9ADV – Jorge (Co-ordinator Region 2) ++ YB3PET – Titon (Co-ordinator Region 3) ++ DF8FE – (Webmaster assis.) ++ DL8AAM (ALE) ++ DJ7KG (BUOYS) ++ DF5SX (BC) ++ DARC (server support) ++ OD5TE (Hani) ++ VE6SH – Tim (IARU President) ++ 9K2RR – Faisal (EC-IARU-R1) ++ YO9RIJ – Petrica ++ PTTs: BAKOM (Swiss) ++ OFCOM (UK) ++ Dutch AT ++ German PTT

Part 1: News and infos

Part 2: Detailed reports of the national co-ordinators

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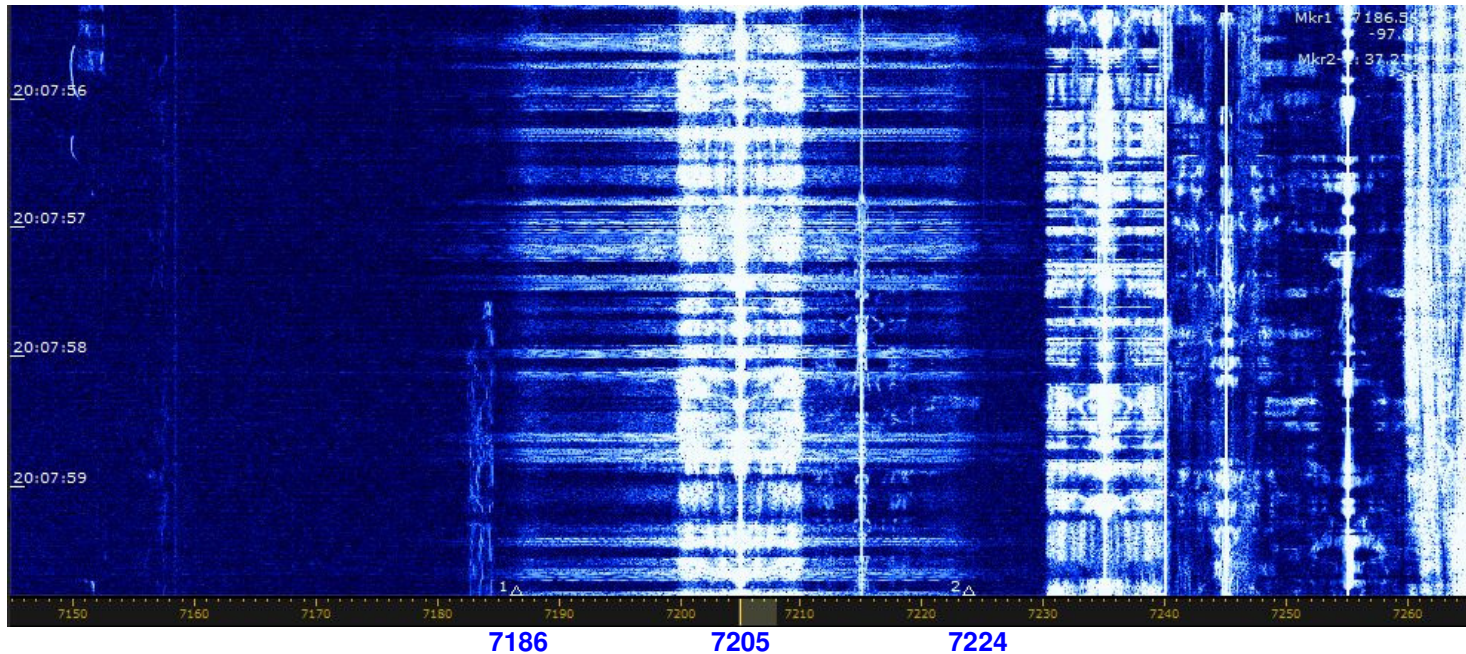
Part 1: News and Infos (screenshots DK2OM)

1. Successor of 5Z4NU

The successor of 5Z4NU (Ted) is 5Z4BV (Kamweti Mutu). Dear Ted, many thanks for your excellent reports and contributions over many years! You have done a great job. 5Z4BV is welcomed to our Monitoring Team.

2. Strong splatters from RFI on 7205 kHz

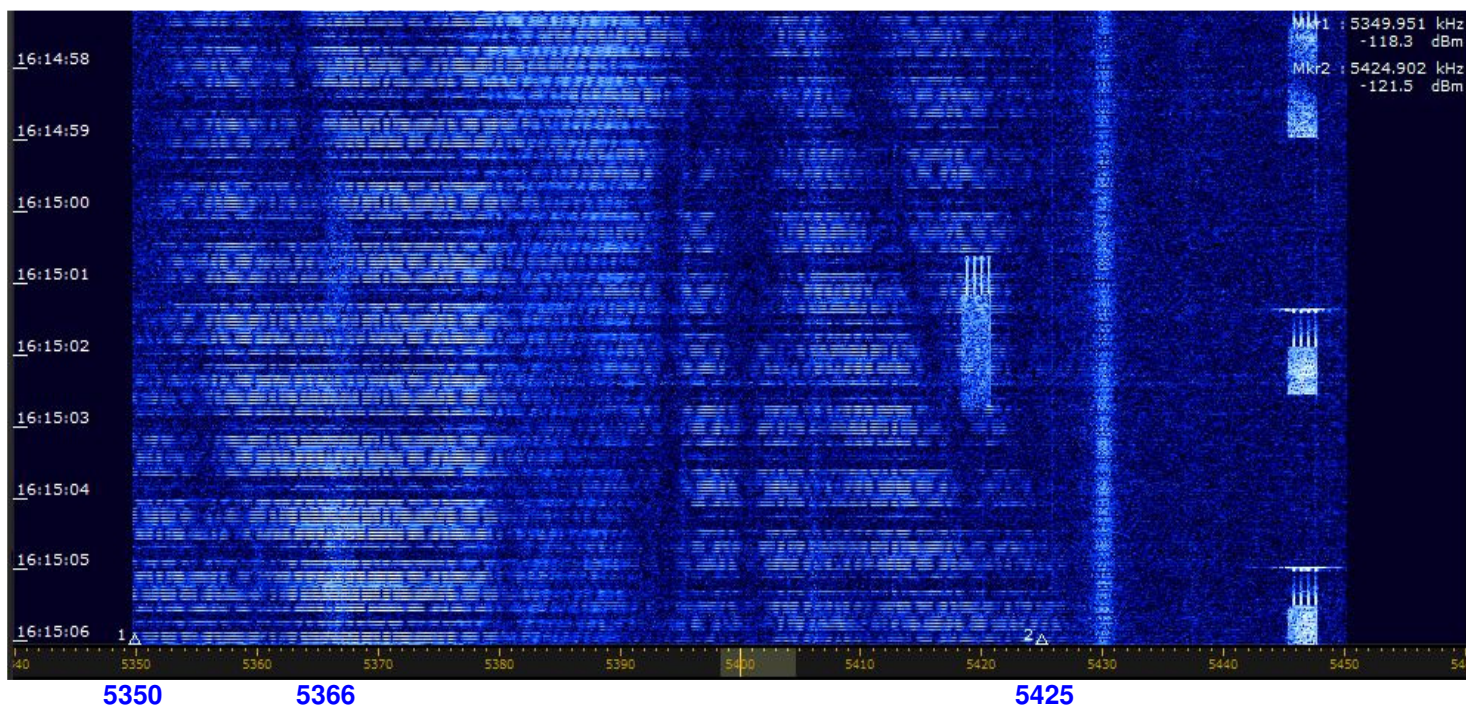
Radio France International (RFI) caused strong splatters down to 7186 kHz. Our French coordinator and the French REF informed RFI and the French PTT. Many thanks! **Screenshot:** RFI on 7205 and splatters



3. OTH radar on our new 5 MHz (shared) band from Far East

Our new band (**shared band!**) 5351.5 - 5366.5 kHz was covered by a Far East OTH radar every evening. The signals were very strong in Europe, sometimes S9! The system worked with 43 sps and on FMOP. Possibly the Russian originated coastal radar "Podsolnukh" = "Sunflower". Location probably China.

Screenshot: You can see the radar and Chinese bursts (PRC-30 system) on the right side.

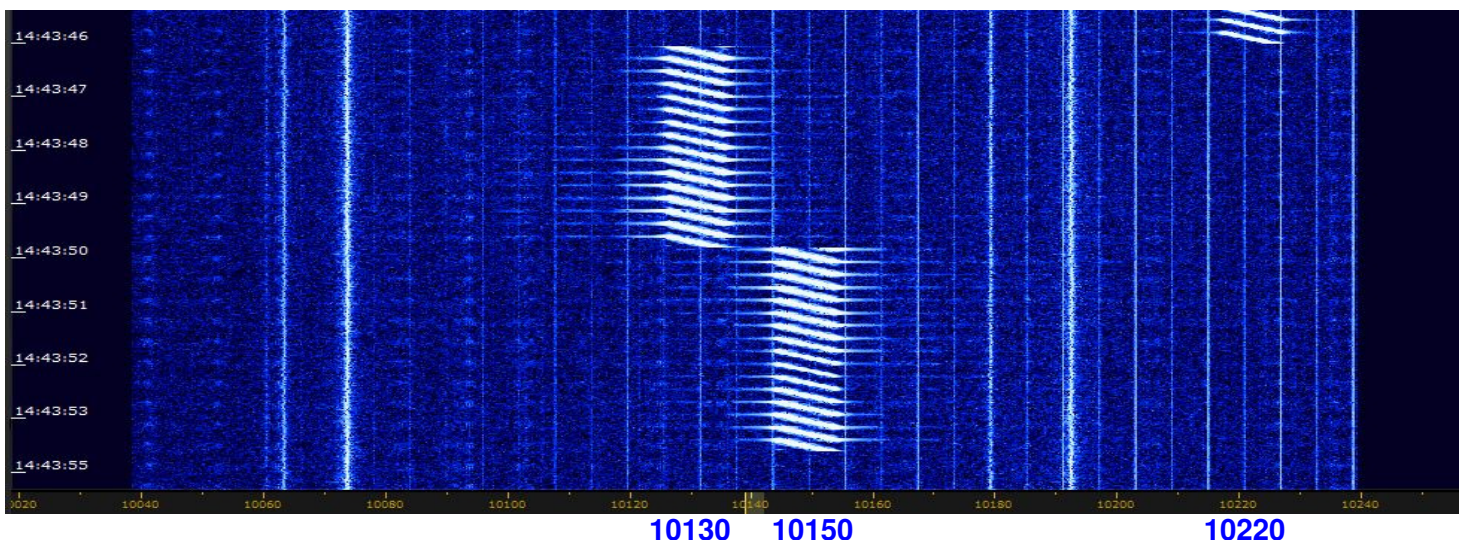


4. 7193 kHz – Russian F1B from Kaliningrad still active

The Russian F1B on 7193 kHz (50 Bd and 200 Hz shift) was still active on Feb. 1st. The German PTT in Konstanz filed another complaint.

5. The mysterious foghorn (Chinese OTH burst radar)

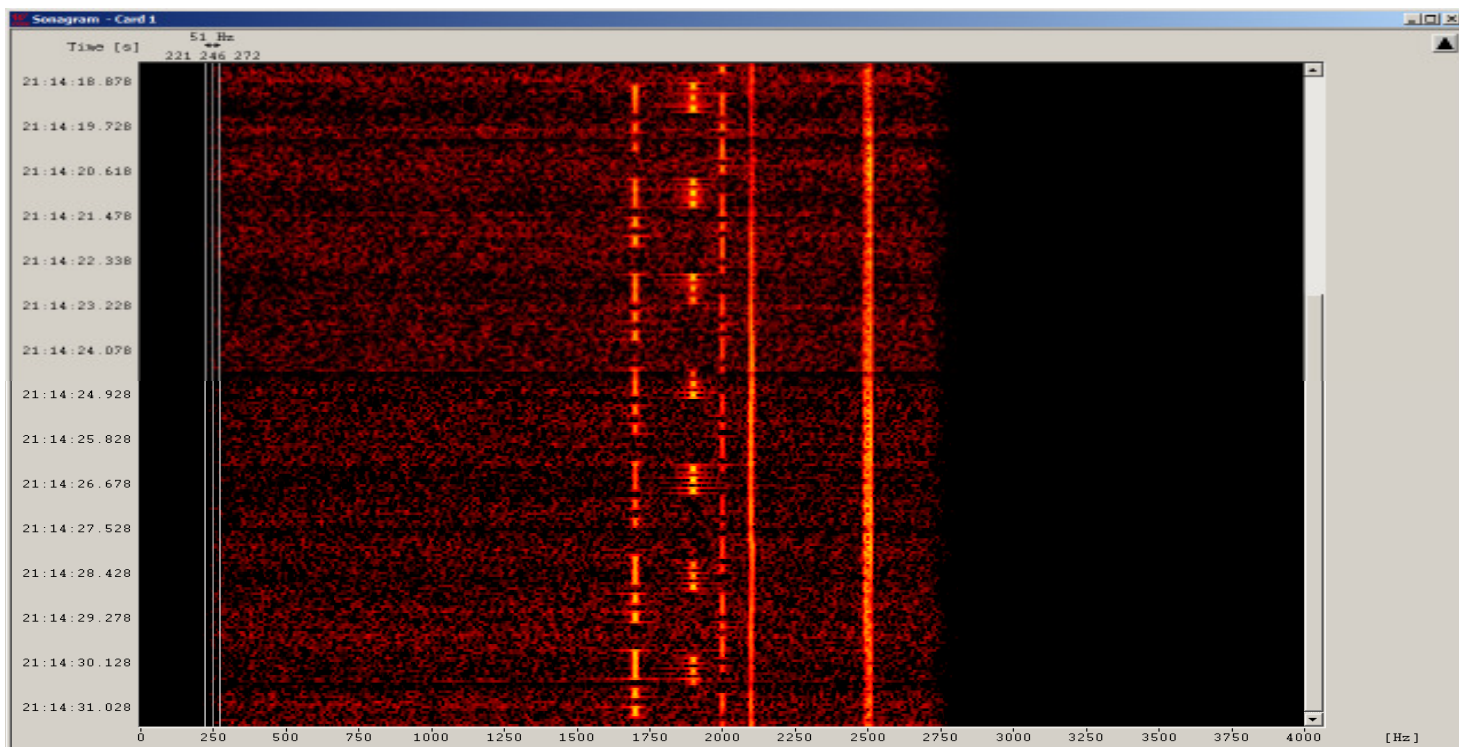
We observed the mysterious foghorn on 7, 10 and 14 MHz. This is a Chinese OTH radar, which is often jumping, and sounding like a foghorn. Parameters: FMOP and 66.66 sps bursts. **Screenshot:** The foghorn on the 10 MHz-band.



soundfile: <http://www.iarums-r1.org/iarums/sound/oth-chnb.wav>

6. Russian MIL beacons on 80 m (shared band) – W-Code screenshot

I was asked about these beacons several times. Here is the answer: Beacon "D" on 3593.7 kHz – Sevastopol --- beacon "S" on 3593.9 kHz – Severomorsk --- beacon "C" on 3594.0 kHz – Moscow – **legal transmissions!**



7. No changes and further complaints by the German PTT Konstanz:

6998.0 kHz - Russian buzzer – daily and all day
7120.0 kHz – Radio Hargaysa Somalia
7175.0 kHz - Radio Eritrea with Ethiopian QRM
7193.0 kHz - Russian F1B from Kaliningrad
7200.0 kHz – Radio Taiwan and Chinese jammer
14295.0 kHz - Radio Tajik (harmonic from 4765 kHz)

8. 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 = orthogonal 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

ARSK MONITORING OVERVIEW FOR JANUARY 2017

No significant changes. Radio Hargeisha remained on 7,120 kHz with broadcasts and what is apparently the Voice of the Broad Masses, Eritrea, on 7,145 and 7,175 kHz. There are still several persistent unidentified nets on 40 meters, apparently in east or central Africa.

Due to my increasing age and deafness, Kamweti Mutu, 5Z4BV, is taking over the monitoring from February.

E.H.M. Alleyne, 5Z4NU - ARSK National IARUMS Co-ordinator

ARSK – Kenya – 5Z4NU (Ted)

H'd by	kHz	UTC	dd	mm	ITU	Identity	MODE	Details
ARSK	7.000.00	vt	dly	1	E. Africa	?	J3Eu	Unidentified, KiSwahili, East Africa. Possibly military.
ARSK	7,074.00	vt	dly	1	E. Africa ?	?	J3E	Unidentified language,
ARSK	7,075.00	vt	dly	1	E. Africa	?	J3Eu	Unidentified language
ARSK	7,120.00	vt	dly	1	Rep.of Somalia	Hargeisha	A3E	Broadcast
ARSK	7,145.0	AM/PM	dly	1	Eritrea	VOBM	A3E	Voice of he Broad Masses? Broadcast, Amharic, Arabic
ARSK	7,164.00	vt	dly	1	E. Africa?	?	J3Eu	Military? Phonetics, messages.
ARSK	7,175.0	AM/PM	dly	1	Eritrea	VOBM	A3E	Probable hopping to avoid jamming

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

DG0JBJ (Mario) observed **5** OTH radars on 40 m, **6** OTH radars on 20 m, **48** OTH radars on 17m, **49** OTH radar on 15 m and **0** OTH radar on 10 m in January 2017.

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	3.5 – 30 MHz	0810	01	01	D		QRM			3.5 - 30 MHz disturbed by a neighbouring LED lamp – daily - various times
DK2OM	1812,0	2040	01	01	RUS		USB LSB			14 tones – hyperbolic radio navigation system – BRAS-3/RS-10 – Kaliningrad – no carrier - daily, all day
DK2OM	1852,0	1945	09	01	I	IPP	USB			Palermo Radio, weather reports
DK2OM	1855,0	1731	08	01	I	IQP	USB			San Benedetto Radio, weather reports
DK2OM	1876,0	0946	09	01	I	IQN	USB			Lampedusa Radio, weather reports

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DK2OM	1888,0	1731	08	01	I	IPD	USB			Civitavecchia Radio, weather reports
DK2OM	1896,5	1732	08	01	D		PSK8	2400	2400	Stanag4285 – 600 bps long – German Navy – daily, all day
DK2OM	1925,0	1947	09	01	I	IPL	USB			Livorno Radio, weather reports
DK2OM	3500,0	vt	dly	01	TUR		FSK8	125	1750	ALE, “2016” “4017” – Turkish Red Crescent – just for info!
DK2OM	3500,0	2323	09	01	D		QRM			disturbed by a neighbouring LED lamp with S9
DK2OM	3500,0	2130	09	01	E		USB			Spanish fishery – also 13.01.2017 at 2115 utc
DK2OM	3500,0	1827	13	01	I		USB			Italian pirates
DK2OM	3501,0	---	--	01	UKR		FSK8	125	1750	ALE, “B10” “X”
DK2OM	3503,5	vt	dly	01	G	no ITU	FSK8	125	1750	ALE – “XSS” “XPU” “XJR” – British MIL Tascomm – vt, daily - legal!
DK2OM	3505,2	1652	31	01	CIS		A3E			pirates – unstable carrier
DK2OM	3525,0	1950	11	01	F		PSK4	75	5800	LINK11-CLEW on both sidebands (5800 Hz wide) – area of Marseille – legal!
DK2OM	3527,0	2215	01	01	RUS		F1B	50	200	Severomorsk
DK2OM	3531,0	---	--	01	RUS	REA4	N0N			unclean carrier - RUS airforce Moscow, ident: 1940 utc - daily
DK2OM	3532,0	---	--	01	F		PSK4	75	5800	LINK11-CLEW on both sidebands (5800 Hz wide) – area of Brest – legal!
DK2OM	3536,3	2109	13	01	CIS		A3E			CIS pirates – unstable carriers
DK2OM	3540,0	1814	13	01	E		USB			Spanish fishery
DK2OM	3541,0	1830	24	01	RUS		F1B	75	250	Kazan
DK2OM	3542,0	1554	11	01	RUS		PSK2A	120	2600	AT3004D – submode idle and traffic - Moscow
DK2OM	3548,0	2216	01	01	RUS		F1B	50	200	Kaliningrad
DK2OM	3548,0	1122	31	01	CHN		FSK8	125	1750	ALE, “598” “781”
DK2OM	3550,0	0730	dly	01	F		A3E			French amateurs not respecting bandplans - daily
DK2OM	3550,0	vt	vd	01	ALG	no ITU	FSK8	125	1750	ALE, “IU50” “IU52” “FN50”
DK2OM	3550,7	1938	10	01	ISR		PSK4 PSK8	75 2400	2400 2400	hybrid modem – ISR Navy – PSK4 parallel and PSK8 serial - legal operation!
DK2OM	3553,8	ady	dly	01	TUR		PSK8	2400	2400	Stanag4285 – 600 bps long - TUR MIL - Ankara – daily, all day - legal operation
DK2OM	3554,0	1808	13	01	E		USB			Spanish fishery
DK2OM	3556,0	1445	05	01	E		USB			Spanish fishery
DK2OM	3557,0	2133	24	01	RUS		F1B	75	250	Moscow
DK2OM	3559,0	1653	31	01	RUS		PSK2A	120	2600	AT3004D - Smolensk
DK2OM	3563,0	1659	31	01	RUS		PSK2A	120	2600	AT3004D - Kaliningrad
DK2OM	3569,0	2136	24	01	RUS		PSK2A	120	2600	AT3004D - Smolensk
DK2OM	3570,0	1730	23	01	RUS		PSK2A	120	2600	AT3004D - Moscow
DK2OM	3570,5	1635	25	01	BLR		F1B	73.4	240	idling - Minsk
DK2OM	3574,5	1837	29	01	RUS		PSK2A	120	2600	AT3004D – submode idle - Sevastopol
DK2OM	3576,6	ady	dly	01	I	IZ3DVW	A1A			3576.550 - uncoordinated beacon – disturbing JT65
DK2OM	3578,0	2038	16	01	RUS		PSK2A	120	2600	AT3004D – Kaliningrad – covering JT65
DK2OM	3584,0	0842	13	01	I		USB			Italian pirates
DK2OM	3585,0	0950	01	01	TWN	HLL	F1C		800	WX-fax Taiwan - 120 rpm, IOC 576, - daily, all day - legal!
DK2OM	3586,0	1800	dly	01	G		PSK2A	40	40	encrypted – every evening Great Britain – purpose unknown
DK2OM	3586,0	1728	23	01	RUS		F1B	50	250	Kaliningrad
DK2OM	3587,0	vt	vd	01	E	no ITU	FSK8	125	1750	ALE, “TVV” “TXX” - Spanish

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
										Guardia Civil
DK2OM	3588,0	2112	19	01	RUS		F1B	75	200	Kaliningrad
DK2OM	3590,0	vt	dly	01	PAK	no ITU	FSK8	125	1750	ALE, "KW" "KHAIBAR" – Pakistan navy
DK2OM	3590,4	1825	13	01	CIS		A3E			CIS pirates – unstable carriers
DK2OM	3591,8	1630	25	01	F		PSK8A	2400	2400	Stanag-4285 – 600 bps long - Marseille
DK2OM	3593,7	2112	13	01	RUS	D	A1A			Cluster beacon – Sevastopol RUS Navy – "RCV"
DK2OM	3593,8	---	--	01	RUS	P	A1A			Cluster beacon – Kaliningrad RUS Navy – "RMP"
DK2OM	3593,9	2112	13	01	RUS	S	A1A			Cluster beacon – Severomorsk RUS Navy – „RIT“
DK2OM	3594,0	2113	13	01	RUS	C	A1A			Cluster beacon C - Moscow RUS Navy - "RIW"
DK2OM	3594,2	1632	19	01	RUS	F	A1A			Cluster beacon F - Vladivostok RUS Navy - "RJS"
DK2OM	3595,0	---	--	01	RUS	K	A1A			Cluster beacon - Petropavlovsk Kamchatskiy - RUS Navy - Pacific fleet - "RCC"
DK2OM	3596,0	1833	13	01	D		FSK8	125	1750	ALE, "DK0ESD" – just for info!
DK2OM	3596,0	vt	dly	01	J		FSK8	125	1750	ALE, "JH1ESB" – just for info!
DK2OM	3597,0	2003	15	01	CHN		PSK4A USB	60	2350	PRC 30 tone modem - pilot tone 450 Hz
DK2OM	3617,0	vt	dly	01	HRV	9A5EX	FSK8	125	1750	ALE, "9A5EX" – HAM-ALE - just for info
DK2OM	3619,9	1533	18	01	BLR		F1B	81	500	3619.875 center QRG - Minsk
DK2OM	3622,5	0950	01	01	J	JMH	F1C		800	Tokyo Meteo – 120 rpm – IOC 576 – daily, all day - legal!!!
DK2OM	3640,0	vt	dly	01	G		FSK8	125	1750	ALE, "XSS" - British MIL Tascomm – just for info!
DK2OM	3642,0	ady	dly	01	CHN		A1A			loop – DKG6 de 3A7D Chinese military – daily, all day
DK2OM	3649,0	vt	vd	01	ALG	no ITU	FSK8	125	1750	ALE, "BI20" PA20"
DK2OM	3670,0	0945	01	01	CHN		FSK8	125	1750	ALE, "135" "165"
DK2OM	3695,0	1801	11	01	CHN		PSK4A LSB	60	2350	PRC 30 tone modem - pilot tone 450 Hz
DK2OM	3699,0	vt	vd	01	ARS		FSK8	125	1750	ALE, "NAI" "RCI" – Saudi Arabian MIL
DK2OM	3705,0	1548	31	01	CHN		FSK8	125	1750	ALE, "101" "103"
DK2OM	3718,0	vt	vd	01	FEa	7CJK	A1A			loop "7CJK"
DK2OM	3720,0	vt	dly	01	S		FSK8	125	1750	ALE, "YU" "YT" "YV" "DZ" – Swedish MIL
DK2OM	3727,0 LSB	1622	19	01	CHN		PSK4A	60	2350	PRC 30 tone modem - pilot tone 450 Hz
DK2OM	3737,0	1636	19	01	CHN		FSK8	125	1750	ALE, "533" "399"
DK2OM	3751,5	vt	dly	01	POL	no ITU	FSK8	125	1750	ALE, "IZ3" "MI3"
DK2OM	3756,0	2030	31	01	RUS		A3E			RUS MIL – channel marker – Tuapse – East Black Sea – night QRG – daily – even audible in Japan
DK2OM	3757,0	ady	dly	01	FEa	RIS9	A1A			"M8JF de RIS9" - loop
DK2OM	3761,5	vt	vd	01	POL	no ITU	FSK8	125	1750	ALE, "NI9" "PL7" "AB2" – Polish MIL
DK2OM	3772,0	ady	dly	01	FEa	A4JC	A1A			"A4JC" - loop
DK2OM	3777,0	1800	11	01	FEa		A1A			"M8JF de RIS9" – loop – dly
DK2OM	3791,0	vt	vd	01	D	DK0ESD	FSK8	125	1750	ALE, "DK0ESD" – daily just for info!
DK2OM	3797,0	ady	dly	01	FEa		A1A			"M8JF de RIS9" – loop
DK2OM	5314,0	2030	18	01	FEa		FMOP		61k	Far East OTH radar – 43 sps – 5314 – 5375 kHz
DK2OM	5351,5	2151	15	01	D		QRM			disturbed by a neighbouring LED lamp with S9

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DK2OM	5351,5	1944	17	01	FEA		FMOP		58k	Far East OTH radar 5316 – 5374kHz – 43 sps – even audible in Europe (vy strong in Northern Europe) – covering weak CW-signals on 5351.5 – 5366.5 kHz
DK2OM	5352,0	2048	31	01	D		A1A			disturbed by a neighbouring LED lamp
DK2OM	5353,0	2130	06	01	MRC		USB			Moroccan fishery
DK2OM	5362,0	2048	19	01	BLR		PSK	20	2600	AT3004D – submode idle
DK2OM	6998,5	0836	24	01	POL		FSK8	125	1750	MIL-188-141A – “BU2” “OD6” “OL1” “SZ4” “ZE2” “MA3” until 7001.0 kHz – also voice traffic male and female - Polish MIL
DK2OM	7000,0	1121	07	01	INS		USB LSB			Indonesian pirates – daily – all day - audible in Europe in the evenings
DK2OM	7000,0	ady	dly	01	RUS		H3E		3.4 k	buzzer – 1 sec bursts - 118 Hz AF rough sinus – carrier on 6998.0 + upper sideband - with spurious 10 kHz wide – daily, all day - Moscow
DK2OM	7000,0	1933	07	01	D		QRM			disturbed by a neighbouring LED lamp – every evening
DK2OM	7001,5	ady	dly	01	POL		PSK8	2400	2400	RF QRG 6998.5 kHz – 7000.3 kHz center - MIL-188-110A – 600 / 300 bps short – Polish MIL
DK2OM	7005,0	1018	03	02	INS		USB LSB			Indonesian pirates
DK2OM	7010,0	1021	07	01	INS		USB LSB			Indonesian and Philippine pirates
DK2OM	7010,0	vt	vd	01	ALB	no ITU	FSK8	125	1750	ALE, “RS0” - Tirana
DK2OM	7012,0	1346	21	01	CHN		FSK8	125	1750	ALE, “166” “125”
DK2OM	7012,0	1135	27	01	FEa		FMOP		5k	FEa OTH radar – 7 sps – unstable!
DK2OM	7015,0	1017	07	01	INS		USB LSB			Indonesian pirates
DK2OM	7016,0	1327	05	01	CHN		FMCW		160k	Chinese broadband OTH radar - 6856 – 7016 kHz – 10 sps - audible in DL
DK2OM	7018,0	---	--	01	RUS	REA4	F1B	100	800	mostly idling – Russian airforce Moscow – ident at full hour + 41 min. on F1A
DK2OM	7020,0	1019	07	01	INS		USB LSB			Indonesian pirates – singing and playing music
DK2OM	7020,0	vt	vd	01	ALB		FSK8	125	1750	ALE, “CS004A” “RS004D” “CS004” - daily
DK2OM	7025,0	1021	03	02	INS		USB LSB			Indonesian pirates
DK2OM	7027,5	---	--	01	UKR	„V“	A1A			beacon “V” – Kyiv
DK2OM	7030,0	1120	07	01	INS		LSB USB			Indonesian pirates
DK2OM	7036,0	1543	09	01	RUS		F1B	50	250	Moscow
DK2OM	7039,0	---	--	01	RUS	C	A1A			Cluster beacon C - Moscow RUS Navy - “RIW”
DK2OM	7039,1	---	--	01		A	A1A			beacon “A” - loop
DK2OM	7039,2	2226	04	01	RUS	F	A1A			Cluster beacon F - Vladivostok RUS Navy - “RJS”
DK2OM	7039,3	---	--	01	RUS	K	A1A			Cluster beacon K Petropavlovsk Kamchatskiy - RUS Navy - Pacific fleet - “RCC” - daily
DK2OM	7039,4	1033	03	02	RUS	M	A1A			Cluster beacon M – Magadan RUS Navy – „RTS“
DK2OM	7040,0	1019	07	01	INS		USB			Indonesian pirates

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
							LSB			
DK2OM	7040,0	vt	dly	01	F	F6BAZ	FSK8	125	1750	ALE, "F6BAZ" – just for info
DK2OM	7040,0	ady	dly	01	I		A1A			IZ3DVW – uncoordinated and unwanted beacon
DK2OM	7040,5	vt	dly	01	HRV		FSK8	125	1750	ALE, "9A5EX" "9A0ALE" – just for info
DK2OM	7047,37	vt	vd	01	D		FSK8	125	1750	ALE, "DL0NOT" – just for info!
DK2OM	7049,5	vt	vd	01	HRV G F	9A0ALE M1DFO F6BAZ	FSK8	125	1750	Amateur ALE, just for info! daily – various times
DK2OM	7050,0	vt	dly	01	RUS UKR		LSB			music transmissions – private war ?
DK2OM	7050,0	vt	dly	01	KGZ		FSK8	125	1750	ALE, "X" "810" "820615" "810698" – Kyrgyzstan MIL
DK2OM	7050,0	1010	07	01	CHN		FMOP		32k	Chinese ? OTH radar – 7050 – 7082 kHz - 43 sps
DK2OM	7055,0	1418	07	01	UKR		LSB			music
DK2OM	7055,0	1555	26	01	UKR		QRM			South Ukraine
DK2OM	7055,5	vt	vd	01	MEa	no ITU	FSK8	125	1750	ALE, "111" "132" "133" - Kaukasus
DK2OM	7060,0	1100	19	01	CHN		FMOP		10k	Chinese OTH burst radar – 66.66 sps – foghorn - jumping
DK2OM	7064,0	0935	30	01	RUS		PSK2A	120	2600	AT3004D – Far East Russia
DK2OM	7070,0	vt	vd	01	GEO	no ITU	FSK8	125	1750	ALE, "MV" "244" "686" "334" "204" "571" – daily active
DK2OM	7072,0	1505	30	01	FEa		FMOP		32k	Codar like ocean surface radar 2.6 sps – 7072 – 7104 kHz
DK2OM	7075,0	0900	29	01	FEa		FMOP		40k	Far East OTH radar – 43 sps – 7075 – 7115 kHz
DK2OM	7088,0	1420	26	01	FEa		FMOP		43k	Far East OTH radar – 7088 – 7131 kHz – 43 sps
DK2OM	7088,8	---	--	01	S	SL0FRO	A1A			7088.830 kHz - cw-trainee, Sweden - SL0FRO - just for info!
DK2OM	7089,0	1425	13	01	RUS		PSK2	120	2600	AT3004D – submode idle - Voronezh
DK2OM	7089,8	---	--	01	TUR CYP		PSK8	2400	2400	Link11 - SLEW – aircraft – west of Cyprus
DK2OM	7091,5	ady	dly	01	KAZ	„V“	A1A			7091.543 kHz - loop with spurious – ident "V" – Almaty - Kazakhstan
DK2OM	7094,0	1101	19	01	CHN		FMOP		10k	Chinese OTH burst radar – 66.66 sps – foghorn - jumping
DK2OM	7095,0	1128	23	01	FEa		FMOP		32k	Codar like ocean surface radar 2.6 sps – 7095 – 7127 kHz
DK2OM	7099,5	vt	dly	01	HRV	9A0ZG	FSK8	125	1750	ALE, "9A0ZG" "9A5EX1P" "9A0OS" – daily - just for info!
DK2OM	7102,0	1135	27	01	TWN		FSK8	125	1750	ALE, "BV4AS" – just for info!
DK2OM	7102,0	0906	24	01	HRV SUI D	9A0MIL	FSK8	125	1750	ALE, "9A3MIL" "9A2KS" "HB9MHB" "9A0ZG" "9A4OS" "DK0ESD" – just for info!
DK2OM	7102,0	1929	15	01	FEa		FMOP		32k	Codar like ocean surface radar 2.6 sps – 7102 – 7134 kHz – also 30.01.2017 at 1035 utc
DK2OM	7106,0	1030	25	01	CHN		FSK8	125	1750	ALE, "161" "189"
DK2OM	7107,7	1031	25	01	CHN		F7B	150	2250	PRC4+4 – idling – 8 x F1B
DK2OM	7110,0	vt	dly	01	HRV	9A0ALE	FSK8	125	1750	ALE, "9A0ALE" – just for info
DK2OM	7117,0	---	--	01	RUS	REA4	F1B	100	1000	mostly idling – Russian airforce Moscow – ident on CW at 1640 utc on the mark-QRG
DK2OM	7120,0	1500	vd	01	SOM		A3E		9k	Radio Hargaysa – Somalia – daily – even audible in Australia and Japan
DK2OM	7128,0	1206	16	01	CHN		FSK8	125	1750	ALE, "131" "137"
DK2OM	7136,0	0817	05	01			FSK8	125	1750	unid ALE -

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DK2OM	7137,0	vt	dly	01	TWN		FSK8 LSB	125	1750	ALE, "DEGDG" "DRYHD" "DCOY" "DSQLK" "DEIQW" "DETWY" "DEOND" "DGCIE" "DTTYP" - Taiwanese navy – daily
DK2OM	7142,0	1450	05	01	RUS		F1B	75	250	Kaliningrad
DK2OM	7160,0	0830	02	01	FEa		FMOP		30k	Chinese ? OTH radar - 43 sps – 7160 – 7190 kHz
DK2OM	7162,0	0830	07	01	RUS		F1B	75	250	Moscow
DK2OM	7162,0	0920	17	01	FEa		FMOP		32k	Codar like ocean surface radar 2.6 sps – 7162 – 7194 kHz
DK2OM	7163,0	---	--	01	UKR		A3E			encrypted MSGs - SZRU in Rivne
DK2OM	7173,0	1457	03	01	RUS		F1B	100	200	Pactor selcall "RT9K" – just for info!
DK2OM	7174,0	0835	13	01	FEa		FMOP		32k	Codar like ocean surface radar 2.6 sps – 7174 – 7206 kHz
DK2OM	7175,0	1500	03	01	ERI ETH		A3E		9k	carrier on 7174.989 kHz Radio Eritrea disturbed by Radio Ethiopia with white noise emissions - daily
DK2OM	7183,0	vt	dly	01	SUI		FSK8	125	1750	ALE, "HB9MHB" – just for info!
DK2OM	7185,0	1602	27	01	IRQ		FSK8	125	1750	ALE, "HQ1" "SHA"
DK2OM	7185,5	vt	dly	01	D HRV		FSK8	125	1750	ALE, "9A5EX" "DK0ESD" just for info - daily
DK2OM	7186,0	2008	07	01	F		A3E		19k	Radio France International on 7205 kHz - splattering +/- 19 kHz
DK2OM	7190,0	2058	16	01	RUS		FMCW		13k	OTH radar Contayner Gorodezh - 50 sps
DK2OM	7193,0	1034	14	01	RUS	RDL	F1B	50	200	RUS navy Kaliningrad – disturbed by a German HAM on the mark-QRG with dashes (area of Magdeburg)
DK2OM	7197,0	vt	dly	01	TUR	no ITU	FSK8	125	1750	ALE, "206102" "318013" "328013" "355013" "365013" "329018" "308013" "331730" "355013" "337013" "381013" "311013" Turkish organisations and Turkish Civil Defense - source: DL8AAM – daily, various times
DK2OM	7200,0	1110	02	01	MMR		A3E/BC		9k	Myanma Radio – 0900 – 1400 UTC - daily
DK2OM	10100,0	1745	11	01	D		QRM			disturbed by a neighbouring LED lamp with S9
DK2OM	10100,8	ady	dly	01	D		F1B	50	450	Baudot - German Weatherservice – legal!
DK2OM	10110,0	vt	dly	01	SNG	no ITU	FSK8	125	1750	ALE, "CN6" "68" – Singapore Navy - Changi Naval Base
DK2OM	10113,0	vt	vd	01	TUN	no ITU	FSK8	125	1750	ALE, "TUD" "STAT5" "STAT154"
DK2OM	10114,0	vt	dly	01	ALG	no ITU	FSK8	125	1750	ALE, "BSF" "ZEN" "CM2OR2"
DK2OM	10114,8	0750	dly	01	RUS		F1B	100	1000	CIS14 – Moscow - daily
DK2OM	10115,0	vt	dly	01	MRC	no ITU	FSK8	125	1750	ALE, "100" "114" "201" "XXZ" – Western Sahara
DK2OM	10116,5	---	--	01	AFS		F7D	54.3	2120	MHF50 – 33 tones - South African navy
DK2OM	10120,0	vt	dly	01	ALG	no ITU	FSK8	125	1750	ALE, "CM6" "01012016"
DK2OM	10121,0	0800	05	01	RUS		F1B	75	250	Moscow - daily
DK2OM	10123,0	vt	dly	01	ALG	no ITU	FSK8	125	1750	ALE, "CM3" "COF" "BSF" "CM2" "ESA" – Algerian Airforce
DK2OM	10129,0	vt	dly	01	ALG	no ITU	FSK8	125	1750	ALE, "CM1" "CTF" "772"

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DK2OM	10131,0	1440	19	01	CHN		FMOP		10k	Chinese OTH burst radar – 66.66 sps – foghorn - jumping
DK2OM	10132,0	--	--	01	F		USB			French “amateurs” not respecting bandplans
DK2OM	10136,0	vt	dly	01	ALG	no ITU	FSK8	125	1750	ALE, “CM3” “BLD” “CNC” “TF2”
DK2OM	10139,0	1442	19	01	CHN		FMOP		10k	Chinese OTH burst radar – 66.66 sps – foghorn - jumping
DK2OM	10144,0	ady	dly	01	D	DK0WCY	A1A			10144.000 kHz - DK0WCY – German aurora beacon – just for info!
DK2OM	10145,5	vt	dly	01	SUI	HB9MHB	FSK8	125	1750	ALE, “HBMHB” - just for info - daily
DK2OM	10145,5	vt	vd	01	TWN AUS	BV4AS	FSK8	125	1750	ALE, “BV4AS” “VK4SAA” – just for info!
DK2OM	10149,0	0451	19	01	CHN		FMOP		10k	Chinese OTH burst radar – 66.66 sps – foghorn - jumping
DK2OM	14000,0	vt	dly	01	FEa		USB			pirates from Java Sea - daily
DK2OM	14000,0	1940	07	01	D		QRM			disturbed by a neighbouring LED lamp with S9 – daily various times
DK2OM	14001,7	1200	16	01	INS		USB			Indonesian pirates
DK2OM	14028,0	0820	27	01	RUS		F1B	75	500	Moscow
DK2OM	14047,0	1000	20	01	CHN		FMOP		10k	Chinese OTH radar – 66.66 sps – 6.0 sec bursts - jumping
DK2OM	14052,0	1001	01	01	RUS		PSK2A	120	2600	AT3004D - Moscow
DK2OM	14100,0	vt	dly	01	ALG	no ITU	FSK8	125	1750	ALE, “6206” “6204” “6212” “6202” “6203” “6207” “6217” “MTL” “IJ” – Mauritanian border – daily, all day
DK2OM	14100,0	---	--	01	F		FMCW		20k	French OTH burst radar, 6 sps, similar Codar sounding, South France
DK2OM	14100,0	1647	25	01	D		QRM			disturbed by a neighbouring LED lamp with S9 – daily various times
DK2OM	14108,0	---	--	01	RUS		A1A			“BXCS de 9KHQ” - RUS MIL area of Moscow – many spurious emissions
DK2OM	14109,0	vt	vd	01	TWN	HAM	FSK8	125	1750	ALE, “BV4AS” – daily - just for info!
DK2OM	14109,0	vt	dly	01	INS	HAM	FSK8	120	1750	ALE, “YD00XH” – just for info!
DK2OM	14109,0	vt	dly	01	S HRV D		FSK8	125	1750	ALE, “SM3FXL” “9A4OS” “9A3BRV” “DK0ESD” - just for info!
DK2OM	14109,0	vt	vd	01	G		FSK8	125	1750	ALE, “M1DFO” – just for info
DK2OM	14116,0	0945	05	01	RUS		F1B	50	250	Moscow
DK2OM	14130,0	1000	27	01	RUS		FMCW		13k	OTH radar Contayner - 50 sps – Gorodezh
DK2OM	14134,0	1428	22	01	RUS		FMCW		13k	OTH burst radar Contayner - 10 sps – Gorodezh
DK2OM	14139,0	0849	21	01	RUS		FMCW		13k	OTH radar Contayner - 50 sps – Gorodezh
DK2OM	14160,0	vt	dly	01	MRC		FSK8	125	1750	ALE, “9204” “9228” “9236”
DK2OM	14192,0	vt	dly	01	RUS		F1B	50 75 50 100 100	500 500 200 500 200	RUS navy Kaliningrad - daily
DK2OM	14202,0	0844	17	01	CHN		FMOP		25k	OTH radar – 50 sps - DF 50°
DK2OM	14221,0	vt	vd	01	KGZ		F1B	50	200	CIS-50-50 - Bishkek – daily
DK2OM	14222,0	0817	04	01	RUS		PSK2A	120	2600	AT3004D - Moscow
DK2OM	14260,0	vt	dly	01	SRB	YU1BI	FSK8	125	1750	ALE, “YU1BI” – just for info!
DK2OM	14261,0	1123	17	01	RUS		FMCW		13k	OTH burst radar Contayner - 10 sps – Gorodezh
DK2OM	14265,0	0955	20	01	CHN		FMOP		10k	Chinese OTH radar – 66.66 sps

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
										– 7.6 sec bursts - jumping
DK2OM	14272,0	---	--	01	RUS	RCV	A1A			RUS Navy Sevastopol
DK2OM	14280,0	---	--	01	UKR		A3E			female voice with encrypted msgs – figures – “SZRU” = Foreign Intelligence Service of Ukraine in Rivne – every Wednesday at 1005 utc
DK2OM	14290,0	1115	17	01	CHN		FMOP		25k	OTH radar – 50 sps - DF 50°
DK2OM	14295,0	vt	dly	01	SRB	YU1BI	FSK8	125	1750	ALE, “YU1BI” – just for info!
DK2OM	14295,0	ady	dly	01	TJK		A3E		9k	3 rd from Radio Tajik on 4765 kHz – daily, all day
DK2OM	14297,0	0954	14	01	RUS		FMCW		13k	OTH burst radar Contayner - 10 sps – Gorodezh
DK2OM	14297,0	0938	18	01	CHN ?		FMOP		25k	OTH radar – 50 sps
DK2OM	14300,0	1318	05	01	RUS		FMCW		13k	OTH burst radar Contayner - 10 sps – Gorodezh
DK2OM	14301,0	0954	18	01	CHN ?		FMOP		25k	OTH radar – 50 sps
DK2OM	14308,0	0816	27	01	RUS		F1B	75	500	Moscow
DK2OM	14330,0	vt	dly	01	TWN		FSK8	125	1750	ALE, “BV4”
DK2OM	14340,0	---	--	01	RUS		PSK2A	120	2600	AT3004D – Vladivostok with spurious emissions +/- 35 kHz and +/- 70 kHz - daily
DK2OM	14344,0	0911	24	01	CHN		FMOP		10k	Chinese OTH radar – 63 and 67 sps – 4.0 sec bursts – “foghorn”
DK2OM	14346,0	vt	dly	01	POR		FSK8	125	1750	ALE, “CT2IXQ” just for info – various times, daily
DK2OM	14347,0	---	--	01	UKR		A3E			female voice with encrypted msgs – figures – “SZRU” = Foreign Intelligence Service of Ukraine in Rivne
DK2OM	14348,0	1145	17	01	THA	HS0ZEA	A1A			HS0ZEA beacon – 14347.950 kHz - every 5 minutes – daily - just for info!
DK2OM	14351,7	---	--	01	E		OFDM PSK4A	30	2700	OFDM 73 + intro tone – HFD+VL - experimental transmissions – Las Palmas – just for info!
DK2OM	18080,0	---	--	01	TWN		A3E/BC			Sound of Hope – Taiwan and Chinese BC jammer – daily at 06 utc and later
DK2OM	18100,0	vt	dly	01	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	01	POR	CT2GOY	FSK8	125	1750	ALE, “CT2GOY” – just for info!
DK2OM	18107,0	vd	vt	01	RUS	RDL	F1B	50	200	CIS-50-200 - Moscow – idle and traffic – daily - Russian navy – shared band!
DK2OM	18117,5	vt	vd	01	POR	CT2IXQ	FSK8	125	1750	ALE, “CT2IXQ” – just for info
DK2OM	18140,0	vt	dly	01	SRB	YU1BI	FSK8	125	2600	ALE, “YU1BI” – just for info!
DK2OM	18150,0	---	--	01	RUS		F1B	100	1000	harmonic from 9075 (100 Bd, 500 Hz) - Kaliningrad
DK2OM	21000,0	---	--	01	B		USB			Brazilian pirates – Rio de Janeiro with North Brazil – very often
DK2OM	21000,0	---	--	01	SDN		USB			MFA Sudan – Khartoum with emba Yemen – voice traffic
DK2OM	21000,0	---	--	01	F		FMCW			French OTH burst radar – every 15 minutes – South France
DK2OM	21000,0	0750	14	01	D		QRM			disturbed by a neighbouring LED lamp with S9
DK2OM	21002,2	---	--	01	SDN	!0000 !9999	F1B	100	170	21002.15 kHz - Pactor 1 encrypted – MFA Sudan –

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
						!8888				Khartoum with emba Yemen
DK2OM	21010,0	1003	13	01	CYP		FMCW		20k	OTH radar Cyprus – 50 sps
DK2OM	21096,0	vt	dly	01	INS	YD00XH	FSK8	125	1750	ALE, “YD00XH3” – daily, various times - just for info!
DK2OM	21096,0	vt	vd	01	G		FSK8	125	1750	ALE, “M1DFO” – just for info!
DK2OM	21131,0	vt	vd	01	CHN	no ITU	FSK8	125	1750	ALE, “A92” “L02” – Chinese diplo
DK2OM	21145,0	vt	dly	01	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	21145,8	ady	dly	01	I	IZ3DVW	A1A			IZ3DVW beacon – 21145,790 kHz – daily, all day - not coordinated with IARU
DK2OM	21438,0	---	--	01	RUS	RCV	A1A			RIP90, RCV, RGX94 - RUS Navy Sevastopol - daily
DK2OM	21446,0	ady	dly	01	THA	HS0ZEA	A1A			HS0ZEA beacon – every 5 minutes - just for info!
DK2OM	25000,0	ady	dly	01	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	vt	vd	01	B		A3E			Brazilian CBers – 28000 – 28325 – daily, all day - no change
DK2OM	28000,0	---	--	01	CIS		F3E			28000 – 29700 numerous CIS taxi nets – no change
DK2OM	28000,0	0750	14	01	D		QRM			disturbed by a neighbouring LED lamp with S9
DK2OM	28010,1	---	--	01	POR		F1B	51	300	F1B bursts –west of Lisbon – Atlantic Ocean - Enagal GPS buoys - daily
DK2OM	28025,0	---	--	01	POR		F1B	51	300	F1B bursts – 28025.050 kHz - west of Lisbon – Atlantic Ocean - Enagal GPS buoys - daily
DK2OM	28030,0	---	--	01	POR		F1B	51	340	F1B bursts - west of Lisbon – Atlantic Ocean - Enagal GPS buoys - daily
DK2OM	28045,0	---	--	01	POR		F1B	51	280	F1B bursts - west of Lisbon – Atlantic Ocean - Enagal GPS buoys - daily
DK2OM	28050,0	---	--	01	POR		F1B	51	300	F1B bursts - west of Lisbon – Atlantic Ocean - Enagal GPS buoys - daily
DK2OM	28051,5	---	--	01	POR		F1B	51	300	F1B bursts - west of Lisbon – Atlantic Ocean - Enagal GPS buoys - daily
DK2OM	28060,0	---	--	01	POR		F1B	51	320	F1B bursts - west of Lisbon – Atlantic Ocean - Enagal GPS buoys - daily
DK2OM	28065,1	---	--	01	POR		F1B	51	320	F1B bursts - west of Lisbon – Atlantic Ocean - Enagal GPS buoys - daily
DK2OM	28065,8	---	--	01	GAB		A3E		980	carrier and dots in USB and LSB, bursts every 60 sec – carrier – Gabon – daily and all day
DK2OM	28075,0	---	--	01	POR		F1B	51	320	F1B bursts - west of Lisbon – Atlantic Ocean - Enagal GPS buoys - daily
DK2OM	28085,0	---	--	01	POR		F1B	51	300	F1B bursts - west of Lisbon – Atlantic Ocean - Enagal GPS buoys - daily

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DK2OM	28090,1	---	--	01	POR		F1B	51	320	F1B bursts - 28100.780 kHz - west of Lisbon – Atlantic Ocean - Enagal GPS buoys - daily
DK2OM	28100,2	---	--	01	POR		F1B	51	300	F1B bursts - 28100.780 kHz - west of Lisbon – Atlantic Ocean - Enagal GPS buoys - daily
DK2OM	28102,1	---	--	01	POR		F1B	51	320	F1B bursts - west of Lisbon – Atlantic Ocean - Enagal GPS buoys - daily
DK2OM	28125,0	---	--	01	POR		F1B	51	320	F1B bursts - west of Lisbon – Atlantic Ocean - Enagal GPS buoys - daily
DK2OM	28146,0	vt	vd	01	ARG B		FSK8	125	1750	ALE, “LU8EX” “PY2TI” “DL1” – just for info!
DK2OM	28200,0	---	--	01	POR		F1B	51	330	F1B bursts - west of Lisbon – Atlantic Ocean - Enagal GPS buoys - daily
DK2OM	28224,4	---	--	01	GAB		A3E			carrier and dots +/- 770 Hz - bursts every 60 sec – Gabon – daily and all day
DK2OM	28249,6	---	--	01	GAB		A3E		1380	carrier and dots +/- 745 Hz - bursts every 60 sec – Gabon – daily and all day
DK2OM	28250,5	---	--	01	GAB		A3E		1000	carrier and dots +/- 500 Hz - bursts every 60 sec – Gabon – daily and all day
DK2OM	28275,1	---	--	01	AF		F1B	51	320	F1B bursts -Atlantic Ocean - Enagal GPS buoys - daily
DK2OM	28312,5	vt	vd	01	POR	CT2IXQ	FSK8	125	1750	ALE. “CT2IXQ” – just for info
DK2OM	28315,0	---	--	01	POR		F1B	51	320	F1B bursts - west of Lisbon – Atlantic Ocean - Enagal GPS buoys - daily
DK2OM	28345,1	---	--	01	GAB		A3E		1060	carrier and dots +/- 530 Hz - bursts every 60 sec – Gabon – daily and all day
DK2OM	28435,0	----	--	01	E		F1B	81.9	140	Datawell-buoy “Waverider” – 28435.040 kHz – Costa del Sol – Malaga
DK2OM	28459,8	----	--	01	GAB		A3E		1060	carrier and dots +/- 530 Hz - bursts every 60 sec – Gabon – daily and all day
DK2OM	28459,9	---	--	01	GAB		A3E		1060	carrier and dots +/- 530 Hz - bursts every 60 sec – Gabon – daily and all day
DK2OM	28499,8	---	--	01	MEa		F1B	81.9	140	Datawell-buoy “Waverider” – 28499.875 kHz – Persian Gulf
DK2OM	28500,0	---	--	01	IRN		FMOP		36k	radar Iran – burst mode – 225 and 334 sps – also 25.12.2016 at 0910 utc
DK2OM	28701,1	---	--	01	GAB		A3E		1056	carrier and dots +/- 528 Hz - bursts every 60 sec – Gabon – daily and all day
DK2OM	28745,3	---	--	01	GAB		A3E		1060	carrier and dots +/- 530 Hz - bursts every 60 sec – Gabon – daily and all day
DK2OM	28751,2	---	--	01	GAB		A3E		1080	carrier and dots +/- 540 Hz - bursts every 60 sec – Gabon – daily and all day
DK2OM	28751,3	---	--	01	GBN		A3E		1040	carrier and dots +/- 520 Hz - bursts every 60 sec – Gabon – daily and all day
DK2OM	28801,5	---	--	01	GBN		A3E		1090	carrier and dots +/- 545 Hz - bursts every 60 sec – Gabon – daily and all day

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DK2OM	28845,5	---	--	01	GAB		A3E		1060	carrier and dots +/- 530 Hz - bursts every 60 sec - Gabon - daily and all day
DK2OM	28901,1	---	--	01	GAB		A3E		1056	carrier and dots +/- 528 Hz - bursts every 60 sec - Gabon - daily and all day
DK2OM	28960,0	---	--	01	IRN		FMOP		55k	radar Iran - burst mode - 150 and 313 sps - also 17.12.2016 at 0930 utc
DK2OM	29114,0	---	--	01	RUS		F1B	100	2000	harmonic from 14557.0 kHz - Moscow
DK2OM	29249,9	---	--	01	E		F1B	81.9	140	Datawell-buoy "Waverider" - 29249.880 kHz - Spain Fuerteventura - daily, all day
DK2OM	29375,0	---	--	01	I		F1B	81.9	140	Datawell-buoy "Waverider" - 29374.898 kHz - Gallipoli, South Italy - daily, all day
DK2OM	29387,5	---	--	01	IND		F1B	81.9	140	Datawell-buoy "Waverider" - 29387.460 kHz - Indian NW coast, close to Pakistan - daily, all day
DK2OM	29400,0	---	--	01	USA		F1B	81.9	140	Datawell-buoy "Waverider" - 29400.070 kHz - USA north-east coast - NY daily, all day
DK2OM	29450,0	---	--	01	MRC		F1B	81.9	140	Datawell-buoy "Waverider" - 29449.863 kHz - area of El Aaiun - Morocco - daily, all day
DK2OM	29500,0	---	--	01	G		F1B	81.9	140	Datawell-buoy "Waverider" - 29499.974 kHz - area of Gibraltar - daily, all day
DK2OM	29525,0	---	--	01	MRC		F1B	81.9	140	Datawell-buoy "Waverider" - 29524.990 kHz - Agadir - Morocco - daily, all day
DK2OM	29625,0	---	--	01	USA		F1B	81.9	140	Datawell-buoy "Waverider" - 29625.024 kHz - USA north-east coast - daily, all day
DK2OM	29685,0	---	--	01	I		VFT		2300	Italian MIL - Brescia
DK2OM	29699,5	---	--	01	I		VFT		1600	Italian MIL - Brescia

IRTS – Ireland – EI3GYB (Michael)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	DETAILS
IRTS	1896.5	1250	06	01	DL		PSK8	German navy, every day, 24 hours non stop
IRTS	3540	0114	20	01			USB	2 Arab voices, male
IRTS	3540	0745	25	01	E or MM		USB	2 male Spanish fishermen. Town of Santander mentioned.
IRTS	3549.8	0751	18	01	F or MM		USB	2 male French fishermen in conversation
IRTS	3584	0503 to 0520	18	01			USB	2 Arab voices, male. Chatting.
IRTS	3594.4	1355	23	01	UK or MM		USB	2 male fishermen, Ulster accent. Just ending their chat.
IRTS	3593.7	2115	17	01	RUS		CW	Beacon "D" from Sevastopol
IRTS	3593.9	2120	17	01	RUS		CW	Beacon "S" from Severomorsk
IRTS	3636	1342	23	01	UK or MM		USB	2 male Scottish fishermen. Good signals from one. The other one nearly inaudible.
IRTS	3650	1358 to 1412	22	01	IRL or MM		USB	2 male Irish fishermen. One signal is very strong, the other one only medium. The usual quota of foul language used. "See you later. I'll be on!"
IRTS	3658	2003	10	01	UZB		CW	Beacon "V" from Khiva
IRTS	3660	1816 to 2002	10	01	RUS/UKR		LSB	Russian voices shouting propaganda. Plenty of MX. Endless political monologues.
IRTS	3664	1950	07	01	E or		USB	Group of 3 Spanish male fishermen. All coming

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	DETAILS
					MM			in with strong signals. One of the fishermen has very strong machine noise in the background.
IRTS	3664	2005	08	01	E or MM		USB	2 male Spanish fishermen. Both stations very strong. One name is Pepe. Ends at 2036z
IRTS	3664	1158	23	01	E or MM		USB	2 male Spanish fishermen. Very strong signals.
IRTS	3688	0106	26	01	RUS or UKR		LSB	Several male Russian voices shouting slogans. Loud MX.
IRTS	4630	2021 to 2029	28	01	E or MM		USB	1 male Spanish fishermen talking to a female person. Probably a husband "phoning" his wife. "¡Hasta mañana !" Note: Not HAM frequency. Just for info.
IRTS	5342	1550	23	01				Radar, probably from Far East. 5342 to 5369 KHz. Nearly every day from nightfall to dawn. Signal strength varies a lot from day to day.
IRTS	5354	1735	28	01	E or MM		USB	2 male Spanish fishermen in conversation.
IRTS	5347.9	0415	17	01			USB	2 male Arab voices
IRTS	5360	1940	27	01			USB	2 male Arab voices chatting happily. Libya mentioned.
IRTS	5360	2010	28	01			USB	2 male Arab voices. Syria mentioned.
IRTS	5362	1946	11	01			USB	2 male Japanese voices chatting.
IRTS	5362	2045	14	01			USB	2 Maghreb fishermen talking in Arabic. Loud and persistent.
IRTS	5362	2250	28	01			USB	2 male Arab voices in a conversation.
IRTS	5386	1300 to 1530	09	01				Radar up to 5400 KHz.
IRTS	5400	1121	20	01	POR or MM		USB	2 male Portuguese fishermen. One has a strong signal, the other one is weak.
IRTS	5400	1218	23	01	POR or MM		USB	2 male Portuguese fishermen. One strong, the other weak. This channel is frequently used by POR fishermen.
IRTS	5400	1811	28	01	E or MM		USB	2 Spanish male fishermen chatting happily. This frequency is used very often by POR and E fishermen.
IRTS	5404	2035	07	01			USB	Group of Arabs, all male. Big discussion with plenty of laughter. Chat ends at 2243z. On and off again afterwards until 2345z.
IRTS	6996	1838-1851	10	01			USB	2 male Arab voices, not Maghreb Not HAM frequency
IRTS	7000	2035	28	01	RUS		AM	Buzzer. Strong signal.
IRTS	7008	2134	17	01	INS		USB	2 Indonesian fishermen chatting.
IRTS	7050	1320	17	01	RUS/UKR		LSB	Ukrainian-Russian propaganda war. MX and shouting of political slogans. Went on until 2200z
IRTS	7055	1945	04	01	UKR/RUS		LSB	Ukrainian –Russian propaganda war. Plenty of MX, slogans
IRTS	7107.8	0103	26	01	INS or MM		USB	2 male Indonesian fishermen in conversation.
IRTS	7120	1725	09	01	SOM		AM	Radio Hargeysa. Very strong.
IRTS	7175	1747	10	01	ERI		AM	Radio Eritrea, very strong signal.
IRTS	7200	1005	03	01	Taiwan		AM	Voice of Free China. Very strong. Audible every day during the morning until s/off at 1300z. Also audible the voice jammer from the PRC
IRTS	7205	2140	17	01	F		AM	Radio France Internationale, splattering down to 7192.5 KHz
IRTS	10120	0850	12	01			USB	3 male Arab voices with Maghreb accent. Great conversation.
IRTS	10123	1950	06	01	KOR or MM		USB	2 Korean fishermen. Strong signals. Lively discussion.
IRTS	10137	1945	06	01			USB	2 Arab voices with Maghreb accent. 1 station has MX in the background.
IRTS	10140	0855	12	01			USB	2 male persons talking. French patois. Comoros

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	DETAILS	
								or Caribbean ?	
IRTS	14194	1455	27	01				Radar from 14194 to 14225 KHz. Very strong.	
IRTS	14269.5	1345	10	01				Radar from 14269.5 to 14283 KHz, very strong	
IRTS	14295	1207	16	01	TJK		AM	Radio Tadjikistan, 3 rd harmonic.	
IRTS	14992	1250	05	01	RUS		F1B	RUS navy Kaliningrad. Every day during daylight hours	
IRTS	21352.5	1330	21	01			Digi	Persistent strong digital signals. Most likely a North Korean embassy in West Africa.	

KARS – Kuwait – 9K2RR (Faisal)

MRASZ – Hungary - HA7PL (Laci)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
MRASZ	3502,5	1602	27	1			A1A		dotter
MRASZ	3504,9	1808	26	1			N0N		
MRASZ	3522,0	1538	7	1			F1B	250	
MRASZ	3525,0	2010	16	1			PSK4		LINK11-CLEW hrd: 23, 26
MRASZ	3527,2	1631	16	1			F1B	250	
MRASZ	3535,3	1837	19	1			USB		Russian language
MRASZ	3535,3	1837	19	1			PSK2		AT3004D
MRASZ	3537,0	1836	19	1			PSK2		AT3004D
MRASZ	3538,8	1731	18	1			F1A	400	"18T 29 RPT AL K"
MRASZ	3546,0	1915	23	1			A1A		deliberate disturbance
MRASZ	3548,0	1552	13	1			USB		some Slavonic language
MRASZ	3548,0	1601	27	1			F1B	200	
MRASZ	3548,1	1930	23	1			A1A		dashes, deliberate disturbance
MRASZ	3550,0	1910	17	1			PSK2		AT3004D
MRASZ	3561,0	1855	17	1			F1B	200	
MRASZ	3561,0	1805	18	1			F1B	200	
MRASZ	3561,0	1827	22	1			F1B	200	
MRASZ	3565,0	1912	2	1			USB		unidentified language
MRASZ	3568,0	1757	21	1			F1B	250	
MRASZ	3570,5	1600	27	1			F1B	200	
MRASZ	3574,0	1924	23	1			LSB		unidentified language
MRASZ	3574,5	1752	26	1			PSK2		AT3004D
MRASZ	3574,5	1634	27	1			PSK2		AT3004D
MRASZ	3575,5	1639	2	1			PSK2		AT3004D
MRASZ	3584,4	1903	18	1			A1A		"QSA V1DD K"
MRASZ	3588,0	1704	23	1			F1B	250	
MRASZ	3588,0	1721	27	1			PSK2		AT3004D
MRASZ	3589,5	0550	14	1			N0N		
MRASZ	3590,0	1827	26	1			USB		Russian language, count from 1 to 10
MRASZ	3590,0	1845	26	1			USB		unidentified language
MRASZ	3590,0	1557	27	1			PSK2		AT3004D
MRASZ	3591,0	1907	26	1			USB		unidentified language, probably Czech
MRASZ	3594,0	0546	14	1	RUS		A1A		beacon "C"
MRASZ	3594,3	1927	23	1			USB		unidentified language
MRASZ	3595,0	1559	27	1			LSB		morse letters teaching, letters say on Russian language
MRASZ	3597,1	1722	27	1			LSB		"CQ US5NKD"
MRASZ	3604,5	1452	13	1			F1B	200	
MRASZ	3606,0	1915	2	1			F1B	250	
MRASZ	3606,0	1537	19	1			F1B	250	
MRASZ	3606,0	1703	23	1			F1B	250	
MRASZ	3608,0	2015	16	1			F1B	200	
MRASZ	3610,0	1909	17	1			F1B	250	
MRASZ	3639,0	1447	13	1			LSB		music
MRASZ	3658,0	1920	2	1	UZB		A1A		beacon "V" Tashkent, hrd every day
MRASZ	3660,0	1820	10	1			LSB		relayed BC, + Russian-Ukrainian propaganda

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
MRASZ	3662.0	1700	23	1			PSK2		AT3004D
MRASZ	3665.5	1801	18	1			N0N		
MRASZ	3674.0	1614	27	1			A1A		"T1T29 34526 567T2 2451T.1615 K"
MRASZ	3690.0	2023	16	1			LSB		Russian language, chaos
MRASZ	3694.0	1752	21	1			F1B	250	
MRASZ	3716.0	1802	18	1			PSK2		AT3004D
MRASZ	3723.0	1803	18	1			F1B	250	
MRASZ	3799.0	1546	19	1			PSK2		AT3004D
MRASZ	7000.0	1500	13	1	RUS		H3E		buzzer, hrd: 18,19, 26, 27, 28
MRASZ	7000.0	1509	13	1			LSB		unidentified language
MRASZ	7000.0	0906	19	1			LSB		"allo, allo" long time
MRASZ	7010.0	1526	13	1			LSB		unidentified language
MRASZ	7012.0	0905	19	1			F1B	200	
MRASZ	7017.3	1848	22	1			A1A		dashes
MRASZ	7050.0	0908	19	1			LSB		Russian language
MRASZ	7050.0	1613	22	1			OTHR		7040-7060 kHz
MRASZ	7050.0	1246	26	1			LSB		Russian language
MRASZ	7055.0	0936	14	1			LSB		Russian language, chaos
MRASZ	7055.0	1323	26	1			LSB		Russian language, music, chaos
MRASZ	7060.0	1550	22	1			LSB		trunk cursing, Russian language,
MRASZ	7089.0	1458	13	1			PSK2		AT3004D
MRASZ	7120.0	1642	2	1	SOM		A3E		R. Hargaysa, hrd every day
MRASZ	7175.0	1746	10	1	ERI		A3E		BC, hrd: 11
MRASZ	7176.0	1657	23	1			F1B	400	
MRASZ	7192.9	0910	19	1			N0N		
MRASZ	7193.0	0830	6	1			N0N		
MRASZ	7193.1	1456	13	1			A1A		dashes, deliberate disturbance
MRASZ	7195.0	1748	10	1			A1A		dotter, hrd: 11
MRASZ	7200.0	1250	26	1			A3E		splatter, 10 kHz down
MRASZ	10110.0	1736	18	1			OTHR		10110-10145 kHz
MRASZ	10123.0	0913	21	1			PSK2		AT3004D
MRASZ	14001.6	1740	18	1			N0N		
MRASZ	14240.0	0936	8	1			OTHR		14230-14250 kHz
MRASZ	14295.0	1557	19	1	TJK		A3E		Radio Tajik, 3rd. harmonic, hrd: 21, 25, 28
MRASZ	14320.0	0915	21	1			OTHR		

OEVSV – Austria – OE3GSA (Gerd)

OEVSV	kHz	UTC	DD	MM	ITU	IDENT	Mode	BD	SH	DETAILS
OEVSV	3517.4	0531	09	01	unid	unid	J3E			males in spanish
OEVSV	3522.0	0610	18	01	unid	unid	F1B	75	200	
OEVSV	3692.0	1554	21	01	unid	unid	F1Bu	75	200	
OEVSV	7000.0	1834	15	01	unid	unid	J3Eu			males chatting
OEVSV	7055.0	0555	17	01	unid	unid	J3E			usual verbal struggle

PZK – Poland – SP9BRP (Jan)

REF 1 – France – F5MIU (Francis) - F5JBR (Andre)

REP – Portugal – CT4AN (Jose Francisco)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
REP	3536	10.49	26	01	E		J3E-U			Spanish fishery
REP	3595	09.12	01	01	E		J3E-U			Spanish fishery, CRY2000 encryption
REP	3664	10.49	26	01	E		J3E-U			Spanish fishery
REP	6998	Dly	Dly	01	RUS		A3A			Buzzer, every day, all day
REP	7000	18.26	15	01	F		J3E-U			French intruders, loud
REP	7010	11.11	12	01	MRC		J3E-U			Fishermen

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
REP	7010	Dly	Dly	01			MFSK			Mil-ALE [TO]: 920
REP	7020	19.23	16	01	RUS	V	A1A			Beacon
REP	7025	20.00	03	01	RUS		F1B	75	250	CIS36
REP	7120	19.04	20	01	SOM		8k00 A3EGN			Radio Hargaysa
REP	7120	Dly	Dly	01	SOM		A3E			Radio Hargaysa
REP	7175	15.47	03	01	ETH		A3E			Radio Eritreia, jammed with white noise
REP	7185	18.59	02	01	ETH		8k00 A3EGN			Radio Eritreia
REP	7185	13.25	03	01			MFSK			Uid Mil-ALE secall
REP	10111	18.03	08	01			PSK2			Mil-STANAG 4285 600/Long - NATO
REP	10115	16.00	27	01	E		J3E-U			Spanish fishery
REP	10120	10.35	28	01	E		J3E-U			Spanish fishery, Galician dialect
REP	10121	16.59	28	01	MRC		J3E-U			Arabic fishery, prob Morocco
REP	10125	10.07	14	01	E		J3E-U			Spanish fishery
REP	10130	18.15	29	01			MFSK			Mil-ALE 304003 clg. 200071
REP	14040	20.01	21	01	E		J3E-U			Spanish fishery
REP	14105	14.05	19	01	RUS		FMCW	50	13k	OTH radar Contayner
REP	14132	10.05	11	01	RUS		F1B	50	250	CIS-50 encrypted
REP	14148	17.02	27	01	RUS		FMCW	50	18k	OTH radar, Russia
REP	14180	Dly	Dly	01	RUS		F1B	50	200	CIS36 Russian Mil
REP	14220	18.25	21	01	E					Fishermen
REP	14258	15.50	11	01	E					Fishermen
REP	14300	11.00	02	01	RUS		FMCW	50	18k	OTH radar, Russia
REP	14355	07.50	19	01						OTH (Foghorn type)
REP	21060	16.49	18	01	E		J3E-L			Spanish fishermen
REP	21070	10.00	04	01			FMCW	50	20k	OTH radar
REP	21165	11.59	10	01			FMCW	50	20k	OTH radar
REP	28103	Dly	Dly	01	CPV	36	F1B	51	300	Enagal driftnet buoy, west coast of Africa
REP	28140	11.25	13	01	RUS		F3E			Russian taxis female dispatchers
REP	28250	12.40	13	01			F1B	82,2	140	Datawell Waverider GPS buoy
REP	28280	12.31	03	01	RUS		F3E			YL taxi dispatcher Dly
REP	29140	13.01	10	01	RUS		F3E			Russian taxis
REP	29145	13.00	14	01	B		J3E-U			Brazilian truckers
REP	29250	14.29	04	01			F1B	82	140	Datawell GPS buoy

RSGB - Great Britain – M0VRR (Vaughan)

SRAL – Finland – OH2BLU (Pekka)

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	REMARKS
SRAL	6998,0	0630-1800	1. – 30.	1	RUS	UiTone	R3E-u			125 Hz tones
SRAL	7008,0	0930	3.	1		UiPTR	F1B		250	
SRAL	7010,0	0850	24.	1		UiMUX	PSK2	120	2600	
SRAL	7016,0	1130	27.	1		UiMUX	PSK2	120	2600	Carr. 7014 kHz
SRAL	7018,6	0700-1015	9. 13.	1		UiCarr	N0N			
SRAL	7029,5	1215-1345	3.	1		UiMUX	PSK2	120	2600	
SRAL	7031,0	0615-1350/	16. – 20.	1		UiCarr	N0N			
SRAL	7072,0	1040	22.	1		UiMUX	PSK2	120	2600	
SRAL	7087,0	0800-0845	10.	1		UiMUX	PSK2	120	2x2600	Sub carriers +/- 3300 Hz
SRAL	7089,0	0715-1915	13. 14.	1		UiMUX	PSK2	120	2600	
SRAL	7098,0	1200-1314/	3.	1		UiPTR	F1B		250	
SRAL	7099,0	1440	16.	1		UiPTR	F1B		250	
SRAL	7100,9	0920-1010/	14.	1		UiCarr	N0N			
SRAL	7116,6	0845-1530	*	1		UiCarr	N0N			Days: 6. 10. 11. 28.
SRAL	7120,0	0330-	dly	1	SOM	R.Hargeis	A3E			

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	REMARKS
		0530				a				
SRAL	7120,0	1300-1400/	dly	1	SOM	R.Hargeis a	A3E			
SRAL	7120,0	/1500-1900/	dly	1	SOM	R.Hargeis a	A3E			
SRAL	7122,0	0750	9.	1		UiPTR	F1B		250	
SRAL	7122,0	1520	22.	1		UiPTR	F1B		400	
SRAL	7142,0	1330-1515	8.	1	RUS	UiPTR	F1B		250	
SRAL	7160,0	0640-1425/	17.	1	RUS	RMW32	A1A			
SRAL	7164,0	0900	8.	1		UiMUX	PSK2	120	2600	
SRAL	7169,0	0845-1425/	*	1		UiPTR	F1B		250	Days: 9. 13. 28.
SRAL	7171,0	1200-1235	13.	1		UiMUX	PSK2	120	2600	
SRAL	7175,0	1330-1850/	dly	1	ERI	VoBME2	A3E			Jammed by ETH
SRAL	7175,0	/1850-0200/	6. 7.	1	ERI	VoBME2	A3E			
SRAL	7176,0	0845-0945/	*	1		ZCM	F1B/A		250/400	Days: 11. 14. 25.
SRAL	7179,5	0840-0900	14. 15.	1		UiMUX	PSK2	120	2600	
SRAL	7184,0	0820-0830/	15.	1		UiMUX	PSK2	120	2600	
SRAL	7193,0	0850-1450	*	1	RUS	RDL	F1B/ NON		250	Days: 5. 6. 14. 15. 16. 19. 20.
SRAL	7198,0	0915-1100	16. 18.	1		UiMUX	PSK2	120	2600	
SRAL	7199,0	0915-1000/	19.	1		UiPTR	F1B		250	
SRAL	7200,0	/1000-1300/	dly	1	CHN	CNR1	A3E			Used as jammer on TWN, with 2 transmitters +0 & -7 Hz.
SRAL	7 MHz	/1705-2015/	16.	1	RUS	29B6	FMCW			50Hz / 15 kHz (WebSDR 3d)
SRAL	7 MHz	0730-1445	*	1	RUS	UiOTHR	FMCW			10Hz / 15 kHz, 30 sec, with 16 min cycle. Days: 12. 13. 14. 18. 19. 23.
SRAL	10 MHz			1	RUS	29B6	FMCW			50Hz / 15 kHz (WebSDR 23d)
SRAL	14052,0	0915-1000	1.	1		UiMUX	PSK2	120	2600	
SRAL	14242,0	0920	16.	1		UiMUX	PSK2	120	2600	Carr. 14240, subcarr. 14243,3
SRAL	14295,0	0610-1430	dly	1	TJK	R Tojikiston	A3E			3f 4765,00 kHz, Yangiyul TX
SRAL	14 MHz	0900-1415	27.	1	RUS	29B6	FMCW			50Hz / 15 kHz, (WebSDR 6 d)
SRAL	14 MHz	0630-1600	dly	1	RUS	UiOTHR	FMCW			10Hz / 15 kHz, 30 sec, with 16 min cycle.
SRAL	18 MHz	0630-0900	4. 15.	1	CYP / TUR	UiOTHR	FMCW			25/50Hz / 20 kHz (WebSDR 22d)
SRAL	21 MHz			1	CYP / TUR	UiOTHR	FMCW			25/50Hz / 20 kHz, (WebSDR 23d)
SRAL	21438,0			1	RUS	RCV	A1A			
SRAL	24 MHz			1		UiOTHR	FMCW			(WebSDR 1 day)
SRAL	28960,0	0730	1.	1	IRN	UiOTHR	FMCW			150 & 313 Hz / 60 kHz
SRAL	28 MHz			1		UiOTHR	FMCW			25/50Hz / 20 kHz
SRAL	28 MHz			1	RUS	Taxi disp.	F3E			no reports

USKA – Switzerland – HB9CET (Peter)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH (BW)	DETAILS
USKA	7010.0	0935	20	01		CS002A	MFSK8	125	1750	MIL 188-141A; To: RS0 often
USKA	7030.0	0736	09	01			F1B	75	250	
USKA	7039.2	2247	10	01	RUS	F	A1A			Beacon F Vladivostok
USKA	7039.4	2246	10	01	RUS	M	A1A			Beacon M Magadan
USKA	7050.0	1258	10	01			J3E-L			Patriotic music and slogans often
USKA	7120.0	1827	04	01	SOM		A3E		10k	Radio Hargaysa almost daily
USKA	7122.0	0740	09	01			F1B	75	250	
USKA	7134.0	2101	17	01			F1B	50	200	
USKA	7142.0	1346	05	01			F1B	75	250	
USKA	7159.0	0826	16	01			F1B	75	200	
USKA	7174.991	1823	04	01	ERI		A3E		10k	BC; VOBM - voice of the broad masses: Eritrea (jammed)
USKA	7176.0	0811	11	01			F1B	75	250	
USKA	7189.0	1804	16	01			FMCW	50 sps	~13k	OTHR; occup. BW appx 30k
USKA	7193.0	1350	05	01			F1B	36+50	200	CIS 36-50 almost daily
USKA	7193.1	1350	05	01			A1A			Jammer, fast dots only
USKA	7200.0	1253	10	01			A3E		~10k	BC, lower sideband down to 7195
USKA	14114.0	0743	09	01			F1B	50	200	
USKA	14168.0	0857	12	01			FMOP	10 sps	~10k	OTHR; only short period
USKA	14240.0 VFO USB	0832	16	01			J7D	12x120	2k7	BPSK; CIS12; carrier at 14240.0 pilot tone 3300Hz
USKA	14246.0	0855	09	01			FMOP	10 sps	160k	OTHR; only short period
USKA	14295.1	0726	04	01	TDJ		A3E		~9k	3rd from 4765 – Radio Tajikistan
USKA	14308.0	0751	09	01			F1B	75	500	
USKA	18080.0	0930	11	01			FMCW	50 sps	20k	OTHR
USKA	18100.0	0927 0929	20	01			MFSK8 J3E-U	125	1750	MIL 188-141A; followed by Voice; several stations
USKA	21030.0	0907	20	01			FMCW	50 sps	20k	OTHR; occup. BW appx ≥40k

Veron – Netherlands – PA2GRU (Dick)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SHIFT	DETAILS
VERON	3548,0	15.25	10	1	CIS	UiPTR	F1B		Revs/Ptr
VERON	3548,0	15.26	10	1	RUS	RDL	F1A		RDL 11111 5F
VERON	3620,0	15.25	18	1		UiPTR	F1B		Ptr
VERON	3796,0	21.14	4	1	CIS	V3Z8	A1A		V3Z8 calls to: 5HA1 IZN6 AHNL MI3C
VERON	7008,0	09.02	3	1		UiPTR	F1B		Ptr
VERON	7008,0	13.20	23	1	RUS	UiPTR	F1B	250	Ptr
VERON	7030,0	13.58	12	1		UiPTR	F1B	250	Ptr
VERON	7050,0	14.12	21	1	UKR/RUS	UiBC	J3E-1		Music & Russian speech; s9
VERON	7056,0	10.50	22	1		UiMux	FSK8	1k8	
VERON	7056,5	13.55	21	1		UiMux	FSK8	1k8	
VERON	7175,0	15.13	6	1	ETH	Jammer		20k	White noise; s7
VERON	7176,0	08.56	11	1		UiPTR	F1B		Ptr
VERON	7193,0	12.26	15	1	CIS	UiPTR	F1B		Revs/Ptr
VERON	14116,0	14.25	5	1		UiPTR	F1B		Ptr
VERON	14141,0	10.55	12	1		UiPTR	F1B		Ptr
VERON	14175,0	12.34	7	1	CIS	UiPtr	F1B	200	Dotter
VERON	14240,0	11.44	13	1		OTHR	FMCW		radar
VERON	14243,5	13.10	21	1		UiMux	FSK8	1k8	
VERON	14264,0	15.11	7	1		UiRadar	FMCW	10k	OTHR; 10sps
VERON	21438,0	08.55	7	1	RUS	RCV	A1A		RIP90 DE RCV QTC 294 75 6 1425 294 BT
VERON	28125,0	09.18	5	1		UiCAR	A1A		Strong Carrier

The monitoring team of IARU Region 1

credits:

Wavecom Elektronik – Buelach – Switzerland

All HAMs, friends and contributors worldwide!

Many thanks for your interest!

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