



# Monitoring System

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The monthly newsletter for Region 1

## June 2018

### The 28 members of the IARUMS Region 1 Monitoring Team:



### Acknowledgements

ARAT: 3V8CB – Ahmed ++ ARI: DH7SA – Salvatore ++ ARSK: 5Z4BV - Kamweti ++ DARC: DK2OM – Wolf ++ EARS: A61M – Obaid ++ ERASD: SU1SA – Sayed ++ HRS: 9A5DGZ – Gianluca ++ IARC: 4Z1AB – Amos ++ IRTS: EI3GYB - Michael KARS: 9K2RR – Faisal ++ MARL: 9H1M – Dominic ++ MRASZ: HA7PL - Laci ++ NARS: 5N9AYM – Yusuf ++ NRRL: LA4EU – Hans Arne ++ OEVS: OE3GSA – Gerd ++ PZK: SP9BRP – Jan ++ RAL: OD5RI – Riri ++ REF: F5MIU – Francis ++ REP: CT4AN – Jose ++ ROARS: A41MA - Younis ++ RSGB: G4DYA - Richard ++ SARL: ZS6NS - James ++ SRAL: OH2BLU - Pekka ++ SSA – N.N. ++ UBA: ON8IM – Ivan +++ URE: EB1TR - Fabian ++ USKA: HB9CET - Peter ++ VERON: PG1R - Ruud ++ 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 ++ **unofficial member**: ++ ASTRA - DL1BDF - Mustapha ++ PTTs: BAKOM (Swiss) ++ OFCOM (UK) ++ Dutch AT ++ Austrian PTT

Part 1: News and infos

Part 2: Detailed reports of the national co-ordinators

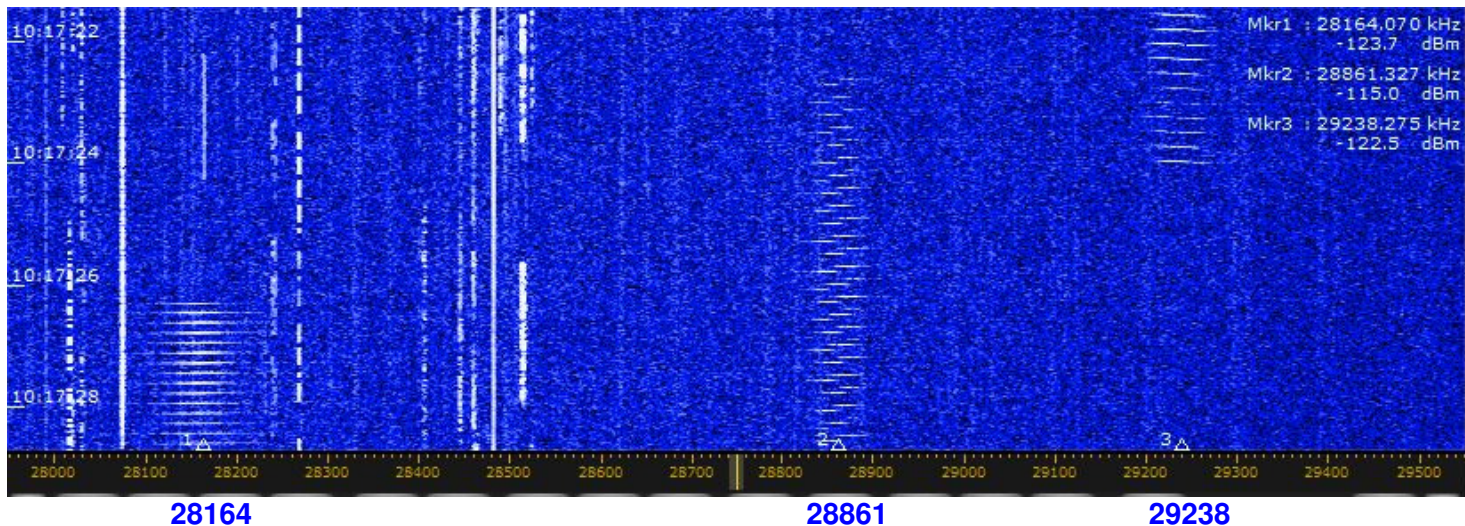
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# Part 1: News and Infos

## 1. IRAN radars on 10 m – very active again

Three systems were active on 10 m at the same time! June 3<sup>rd</sup> at 1017 utc.

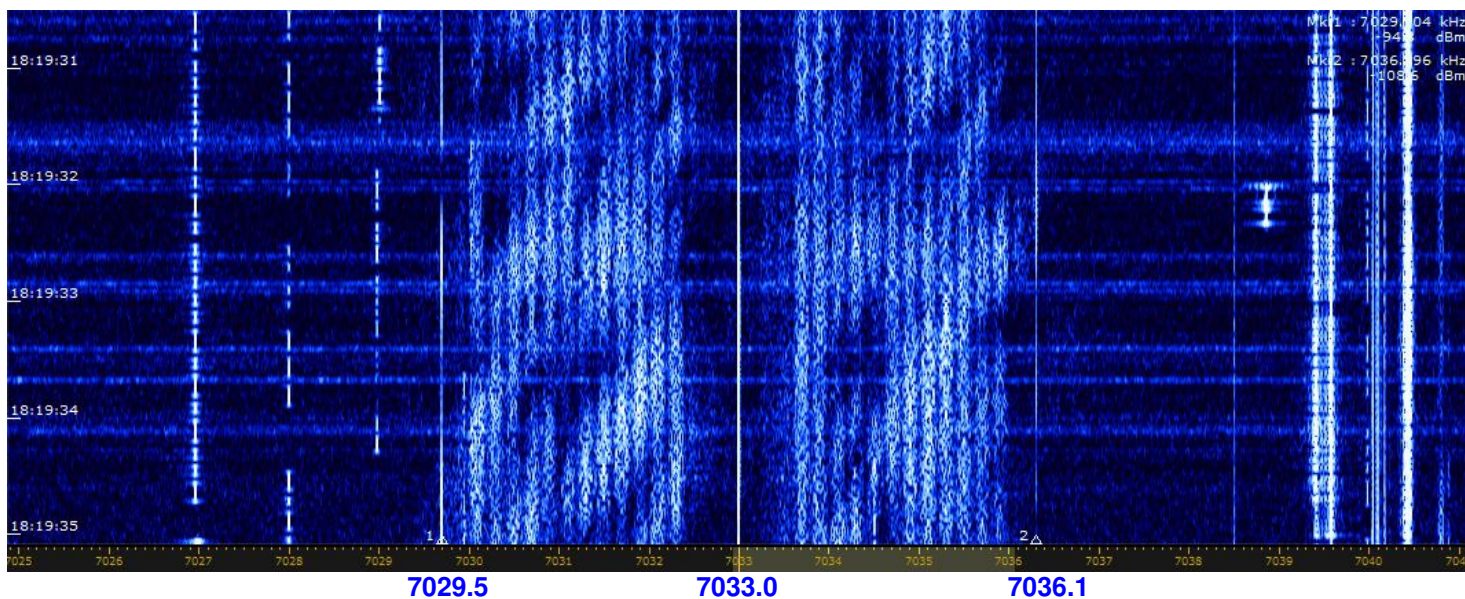


## 2. Sporadic E and Russian taxis

We found Russian taxis again during Sporadic E periods, especially on 28035, 28105, 28175 and 28195 on FM as usual.

## 3. 7033.0 – Russian MIL AT3004D on DSB mode

The Russian MIL system AT3004D was transmitting on 7033.0 kHz center on DSB-mode (both sidebands).  
Date: June 6<sup>th</sup> Time: 1819 utc – Location: Kaliningrad



## 4. Broken digital signal from Sevastopol on 7032 kHz

A broken signal from Sevastopol appeared on 7032.172 kHz on June 19<sup>th</sup> at about 1430 utc.

## 5. Four Russian MIL F1B-systems on 14 MHz

We found 4 Russian MIL emissions on 14064.0 – 14116.0 – 14186.0 – 14258.0 kHz at the same time.  
Date: June 22<sup>nd</sup> Time: 0800 utc

## 6. Myanmar Radio on 7200 kHz

Myanmar Radio was detected by Ron Howard on June 6<sup>th</sup> at 1240 utc.

## 7. 14295 kHz – harmonic from Radio Tajik off

The harmonic transmission from Radio Tajik on 14295 kHz was no longer active.

## 8. Spanish pirates on 10 m

Spanish pirates abused 28335 kHz on USB and F3E (= FM) for skeds several times.

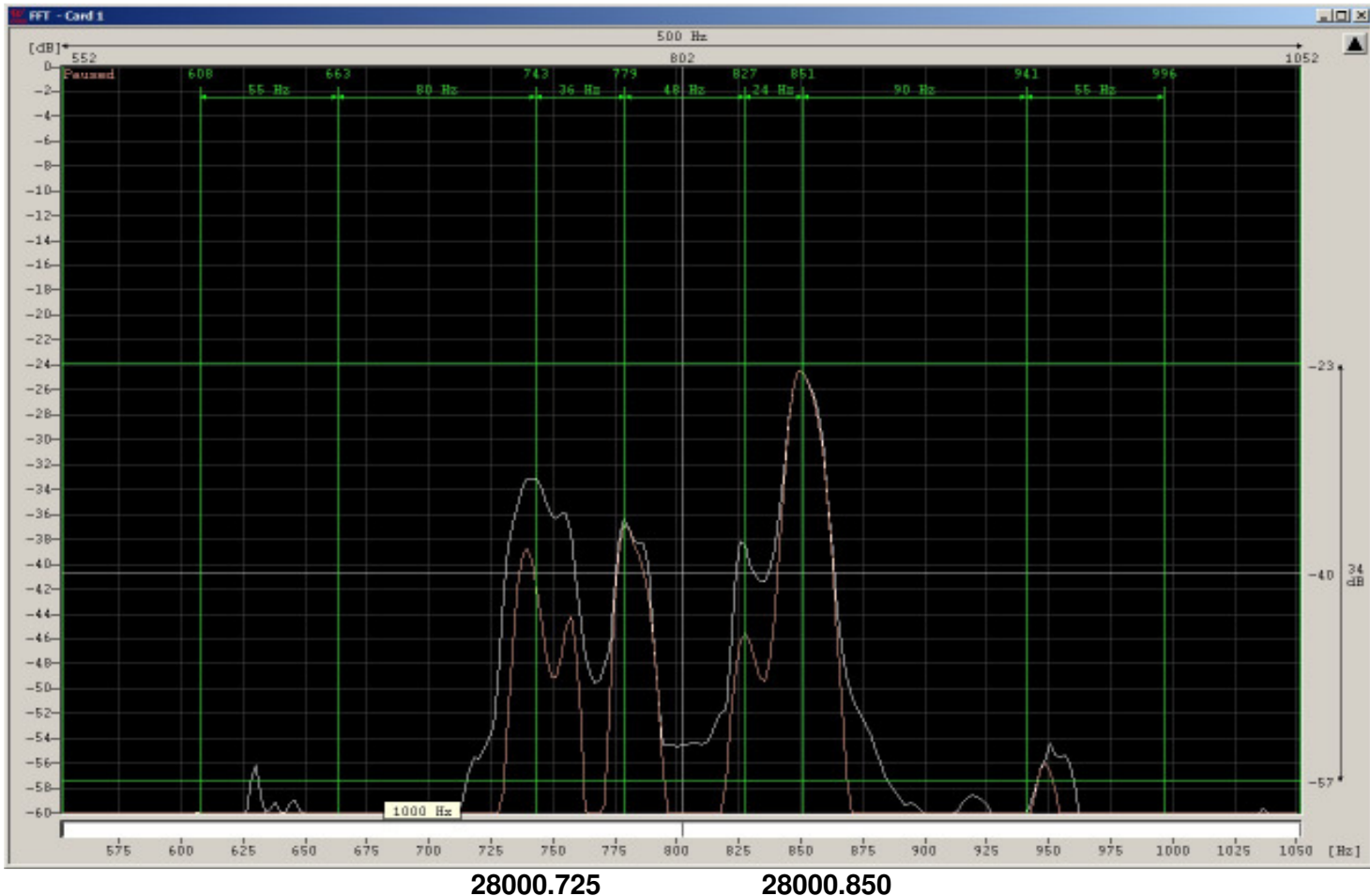
## 9. Radio Eritrea on 7180.023 kHz

Radio Eritrea was again audible on 7180.023 every afternoon. The jammer transmissions from Ethiopia were not heard and not missed.

## 10. JT-65 transmissions on 28000.800 kHz – coordinated with the IARU ?

We found JT-65 transmissions on 28000.800 kHz under Sporadic E conditions. Bearings were showing England. All callsigns were not mentioned in QRZ.com. Only SV0VVD was listed as DX-Fun-Cluster in the Internet. The usual JT-65 meeting point is 28076 kHz!

Screenshot: DK2OM with Wavcom W-Code (FFT-mode) – More details in my table!



## 11. Spanish fishery on 80 m with CRY 2001

Spanish fishermen tried encrypted communication on 3535.0 kHz (USB) by using their old voice scrambler CRY 2001. The band was rather noisy.

## 12. Spanish fishery on 5 MHz

Spanish fishermen abused again 5350 kHz on USB. The splatters caused QRM on our new (shared band).

## 13. Miscellaneous news:

3500, 3535, 3540, 3550, 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 – defective in June – back in July  
7180 kHz – Radio Eritrea – no white noise QRM by Radio Ethiopia  
28000.0 – USB – pirate meeting point (France, Spain, UK, North Africa)

## 14. 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** = 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

### RSK – Kenya – 5Z4BV (Kamweti)

Soc	kHz	UTC	dd	mm	ITU	Identity	Mode	Shift	Details
RSK	7000	vt	dly	6	Kenya?	?	PSK	2500	ALE MIL 188-141?
RSK	7015	1325	19	6	E. Africa/ S. Sudan?	?	J3E-u		Vernacular/English net
RSK	7027	0640	29	6	E. Africa?	?	J3E-u		Mil French QSO
RSK	7030	vt	nr dly	6	Central Africa?	?	J3E-l		Mil Lingala msg net
RSK	7033	vt	nr dly	6	E. Africa?	?	J3E-l/u		Vernacular S. Sudan?
RSK	7048	vt	nr dly	6	E. Africa	?	J3E-l/u		Mil Kiwahili /vernacular net
RSK	7050	1443	12	6	Eastern Europe?	?	J3E-l		Slavic commercial propaganda msg rebroadcast
RSK	7066	0602	7	6	S. Sudan?	?	J3E-l		Vernacular QSO
RSK	7075	1540	13	6	Kenya?	?	J3E-u		Kiswahili net
RSK	7089,1	vt	nr dly	6	Central Africa?	?	J3E-u		Mil French/vernacular msg. net
RSK	7100	vt	dly	6	Kenya?	?	PSK	2500	ALE MIL 188-141?
RSK	7140	vt	nr dly	6	Eritrea	Voice of the Broad Masses of Eritrea 1	A3E		Broadcast
RSK	7140	vt	occa sion al	6	E. Africa	?	J3E-u		Kiswahili msg net
RSK	7148	0730	28	6	E. Africa	?	J3E-l		mil English net
RSK	7140	vt	occa sion al	6	E. Africa	?	J3E-u		Kiswahili msg net
RSK	7156	vt	occa sion al	6	Indian Ocean?	Trawlers ?	J3E-u		Chinese dialect QSO
RSK	7165	0345	12	6	Indian Ocean?	Trawlers ?	J3E-u		Chinese dialect QSO
RSK	7170	1325	15	6	E. Africa	?	J3E-u		Kiswahili msg net
RSK	7180	vt	dly	6	Radio Eritrea	VOB Eritrea 2	A3E		Broadcast

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

DG0JBJ (Mario) observed **0** OTH radars on 40 m, **0** OTH radars on 20 m, **26** OTH radars on 17m, **11** OTH radars on 15 m and **42** OTH radars on 10 m in June 2018.

## DARC 2 – Germany - DK2OM (Wolf)

FSK transmissions -> center frequency between mark and space

PSK transmissions -> center QRG - ALE (MIL188-141A) -> USB QRG

exclusive bands -> black – shared bands -> blue - voice traffic -> green - BC -> red

SH = shift - SP = spread (radar) – SPS = sweeps/sec (radar) -> (aka PRF)

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DK2OM	1812,0	1940	04	06	RUS		USB LSB			14 tones – hyperbolic radio navigation system – BRAS-3/RS-10 – Kaliningrad – no carrier - daily, all day
DK2OM	1852,0	vt	dly	06	I	IPP	USB			Palermo Radio, weather reports
DK2OM	1855,0	2036	17y	06	I	IQP	USB			San Benedetto Radio, weather reports - daily
DK2OM	1876,0	vt	dly	06	I	IQN	USB			Lampedusa Radio, weather reports - daily
DK2OM	1888,0	2037	17	06	I	IPD	USB			Civitavecchia Radio, weather reports - daily
DK2OM	1896,5	---	--	06	D		PSK8	2400	2400	Stanag4285 – 600 bps long – German Navy
DK2OM	1925,0	2037	17	06	I	IPL	USB			Livorno Radio, weather reports - daily
DK2OM	3503,5	vt	dly	06	G	no ITU	FSK8	125	1750	ALE – “XSS” “XPU” “XJR” – British MIL Tascomm – vt, daily - legal!
DK2OM	3506,0	2042	12	06			PSK2A	120	2600	AT3004D – submode idle
DK2OM	3525,0	2038	26	06	F		PSK8	2400	6000	LINK11-SLEW on both sidebands (6000 Hz wide) – area of Marseille – legal!
DK2OM	3527,0	2010	03	06	RUS		F1B	50	200	Severomorsk - daily
DK2OM	3531,0	2010	03	06	RUS	REA4	N0N			unclean carrier - RUS airforce Moscow, ident: full hour + 40 min - daily
DK2OM	3532,0	2040	20	06	F		PSK4	75	5800	LINK11-CLEW on both sidebands (5800 Hz wide) – area of Brest – legal!
DK2OM	<b>3535,0</b>	<b>1853</b>	<b>26</b>	<b>06</b>	<b>E</b>		<b>USB</b>			<b>Spanish fishery with voice scrambler “CRY 2001” or only voice traffic on various days</b>
DK2OM	3536,0	2035	21	06	BLR		F1B	75	200	
DK2OM	<b>3540,0</b>	<b>2028</b>	<b>29</b>	<b>06</b>	<b>E</b>		<b>USB</b>			<b>Spanish fishery</b>
DK2OM	<b>3550,0</b>	<b>0730</b>	<b>dly</b>	<b>06</b>	<b>F</b>		<b>A3E</b>			<b>French amateurs not respecting bandplans – every morning</b>
DK2OM	3550,0	vt	vd	06	ALG	no ITU	FSK8	125	1750	ALE, “IU50” “IU52” “FN50”
DK2OM	3553,8	ady	dly	06	TUR		PSK8	2400	2400	Stanag4285 – 600 bps long -TUR MIL - Ankara – daily, all day - legal operation
DK2OM	<b>3560,0</b>	<b>1950</b>	<b>12</b>	<b>06</b>	<b>E</b>		<b>USB</b>			<b>Spanish fishery – long lasting</b>
DK2OM	<b>3560,0</b>	<b>2000</b>	<b>27</b>	<b>06</b>	<b>E</b>		<b>USB</b>			<b>Spanish fishery with voice scrambler “CRY 2001”</b>
DK2OM	<b>3560,5</b>	<b>2035</b>	<b>26</b>	<b>06</b>	<b>CIS</b>		<b>A3E</b>			<b>CIS pirates – unstable carrier</b>
DK2OM	3576,6	ady	dly	06	I	IZ3DVW	A1A			3576.550 - uncoordinated beacon – disturbing JT65
DK2OM	3585,0	ady	dly	06	TWN	HLL	F1C		800	WX-fax Taiwan - 120 rpm, IOC 576 - daily, all day - legal!
DK2OM	3587,0	vt	vd	06	E	no ITU	FSK8	125	1750	ALE, “TVV” “TXX” - Spanish Guardia Civil
DK2OM	3593,3 RF	1920	09	06	HRV		PSK8A	2400	2400	Stanag-4285 – 600 bps – Adriatic Region
DK2OM	3593,7	---	--	06	RUS	D	A1A			Cluster beacon – Sevastopol RUS Navy – “RCV”
DK2OM	3593,8	---	--	06	RUS	P	A1A			Cluster beacon – Kaliningrad RUS Navy – “RMP”
DK2OM	3593,9	---	--	06	RUS	S	A1A			Cluster beacon – Severomorsk

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
										RUS Navy – „RIT“
DK2OM	3594,0	---	--	06	RUS	C	A1A			Cluster beacon C - Moscow RUS Navy - “RIW”
DK2OM	3594,0 RF	2130	15	06	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	---	--	06	RUS	F	A1A			Cluster beacon F - Vladivostok RUS Navy - “RJS”
DK2OM	3595,0	---	--	06	RUS	K	A1A			Cluster beacon - Petropavlovsk Kamchatskiy - RUS Navy - Pacific fleet - “RCC”
DK2OM	3596,0	vt	dly	06	J		FSK8	125	1750	ALE, “JHIESB” – just for info!
DK2OM	3622,5	ady	dly	06	J	JMH	FIC		800	Tokyo Meteo – 120 rpm – IOC 576 – daily, all day - legal!!!
DK2OM	3745,5	---	--	06	RUS	RMP	A1A			encrypted figure groups – Kaliningrad – ident “RMP” – Navy Kaliningrad
DK2OM	3747,0	2146	20	06	E		USB			Spanish fishery – reported by Paulo
DK2OM	3756,0	1800	dly	06	RUS		A3E			RUS MIL – channel marker – Tuapse – East Black Sea – night QRG – daily – even audible in Japan
DK2OM	5315,0	1945	29	06	RUS		FMOP		50k	5315 – 5365 kHz – RUS coastal radar “Sunflower” – 43 sps Makhachkala – Caspian Sea
DK2OM	5344,0	1920	14	06	RUS		FMOP		70k	5344 – 5414 kHz – RUS coastal radar “Sunflower” – 43 sps Makhachkala – Caspian Sea
DK2OM	5350,0	2005	23	06	E		USB			Spanish fishery – splattering up
DK2OM	5350,6 RF	1402	05	06	Baltic Sea		PSK4B	45.45 75	2310	Link11 - CLEW – ship north of Poland - primary user!
DK2OM	5354,0	2024	03	06	I		LSB			pirates in Italian voice
DK2OM	5355,65	1927	12	06	Baltic Sea		PSK4	75	2310	Link11 – CLEW (16 x 75 Bd) – ship north of Bornholm – primary user!
DK2OM	5361,8 RF	vt	vd	06	DNK	OUA15	PSK8A	2400	2400	Stanag-4285 – 600 bps long – assigned to Danish Navy Aarhus - legal – primary user !
DK2OM	6980,0	1015	26	06	FEa		FMOP		60k	Far East costal radar “Sunflower” 6980 – 7040 kHz
DK2OM	6999,0	2034	14	06	E		USB			Spanish pirates – splattering up
DK2OM	7000,0	2009	11	06	I	Roberto	USB			Italian pirates
DK2OM	7000,0	2025	29	06			USB			pirates in Arabic voice – Codan beep
DK2OM	7009,0	2000	04	06	RUS		PSK2A	120	2600	AT3004D – submode idle – Moscow?
DK2OM	7010,0	vt	vd	06	ALB	no ITU	FSK8	125	1750	ALE, “RS0” - Tirana
DK2OM	7018,0	---	--	06	RUS	REA4	F1B	100	800	mostly idling – Russian airforce Moscow – ident at full hour + 41 min. on F1A
DK2OM	7018,0	1220	04	06	RUS		F1B	75	200	Kaliningrad
DK2OM	7020,0	vt	vd	06	ALB		FSK8	125	1750	ALE, “CS004A” “RS004D” “CS004” - daily
DK2OM	7020,0	1909	20	06	RUS		F1B	75	250	Kaliningrad
DK2OM	7022,0	0707	30	06	RUS		PSK2A	120	2600	AT3004D – Kaliningrad
DK2OM	7032,2	1438	19	06	RUS		unid			pulsing carrier and spurious – 7032.172 - Sevastopol
DK2OM	7033,0	1819	06	06	RUS		PSK2A	120	6600	2 x AT3004D – DSB mode - Kaliningrad
DK2OM	7038,8	---	--	06	RUS	P	A1A			Cluster beacon „P“– Kaliningrad RUS Navy – “RMP”
DK2OM	7039,0	---	--	06	RUS	C	A1A			Cluster beacon „C“ - Moscow RUS Navy - “RIW”

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DK2OM	7039,2	---	--	06	RUS	F	A1A			Cluster beacon „F“ - Vladivostok RUS Navy - <b>“RJS”</b>
DK2OM	7039,3	---	--	06	RUS	K	A1A			Cluster beacon “K” Petropavlovsk Kamchatskiy - RUS Navy - Pacific fleet - <b>“RCC”</b> - daily
DK2OM	7039,4	2130	04	06	RUS	M	A1A			Cluster beacon „M“ – Magadan RUS Navy – <b>„RTS“ - daily</b>
DK2OM	<b>7040,0</b>	<b>ady</b>	<b>dly</b>	<b>06</b>	<b>I</b>		<b>A1A</b>			<b>IZ3DVW – uncoordinated and unwanted beacon</b>
DK2OM	7040,5	vt	dly	06	HRV		FSK8	125	1750	ALE, “9A5EX” “9A0ALE” – just for info
DK2OM	7042,0	1026	27	06	FEa		FMOP		44k	Far East costal radar “Sunflower” 7042 – 7086 kHz
DK2OM	7049,5	vt	dly	06	HRV G F	9A0ALE M1DFO F6BAZ	FSK8	125	1750	Amateur ALE, just for info! daily – various times
DK2OM	7050,0	vt	dly	06	KGZ		FSK8	125	1750	ALE, “X” “810” “820615” “810698” – Kyrgyzstan MIL
DK2OM	7055,0	vt	06	06	CHN		PSK4A	60	2350	burst system “PRC-30” – 30 tones – 450 Hz pilot tone
DK2OM	<b>7055,0</b>	<b>1952</b>	<b>18</b>	<b>06</b>	<b>UKR</b> <b>?</b>		<b>LSB</b>			<b>music and Russian voices</b>
DK2OM	7078,0	0827	15	06			PSK2A	120	2600	AT3004D - Kaliningrad
DK2OM	7088,0	0858	27	06	RUS		F1B	75	200	RUS ship – north-west of Scotland
DK2OM	7088,8	vt	vd	06	S	SL0FRO	A1A			7088.830 kHz - cw-trainee, Sweden - SL0FRO - just for info!
DK2OM	7089,8	---	--	06	TUR CYP		PSK8	2400	2400	Link11 - SLEW – aircraft – west of Cyprus
DK2OM	7090,0	vt	05	06	FEa		FMOP		32k	Codar like ocean surface radar 2.6 sps – 7090 – 7122 kHz
DK2OM	7099,5	vt	dly	06	HRV	9A0ZG	FSK8	125	1750	ALE, “9A0ZG” “9A5EX1P” “9A0OS” – daily - just for info!
DK2OM	7100,0 LSB	vt	09	06	CHN		PSK4A	60	2350	burst system “PRC-30” – 30 tones – 450 Hz pilot tone
DK2OM	7102,0	vt	vd	06	HRV SUI D	9A0MIL	FSK8	125	1750	ALE, “9A3MIL” “9A2KS” “HB9MHB” “9A0ZG” “9A4OS” “DK0ESD” – just for info!
DK2OM	7110,0	vt	dly	06	HRV	9A0ALE	FSK8	125	1750	ALE, “9A0ALE” – just for info
DK2OM	7111,0 LSB	vt	23	06	CHN		PSK4A	60	2350	burst system “PRC-30” – 30 tones – 450 Hz pilot tone
DK2OM	7112,0 LSB	vt	vd	06	CHN		PSK4A	60	2350	burst system “PRC-30” – 30 tones – 450 Hz pilot tone
DK2OM	7117,0	---	--	06	RUS	REA4	F1B	100	1000	mostly idling – Russian airforce Moscow – ident on CW at 1640 utc on the mark-QRG
DK2OM	<b>7120,0</b>	<b>---</b>	<b>--</b>	<b>06</b>	<b>SOM</b>		<b>A3E</b>		<b>9k</b>	<b>Radio Hargeisa – Somalia – transmitter defective</b>
DK2OM	7120,0	1840	07	06	RUS		PSK2A	120	2600	AT3004D - Sevastopol
DK2OM	7122,0	0950	18	06	RUS		F1B	50	250	Kaliningrad
DK2OM	7132,0	vt	22	06	FEa		FMOP		32k	Codar like ocean surface radar 2.6 sps – 7132 – 7164 kHz
DK2OM	7137,0	vt	dly	06	TWN		FSK8 LSB	125	1750	ALE, “EDKLT” “EVSNG” “ECCLT” “EFNGX” “EVNNM” “EVWRK” “EGFXA” “ECQUY” “EFYMO” “EWPEN” “ECXKF” “EWRAJ” “ECHTD” “EUIQE” “EBPGH” Taiwanese navy
DK2OM	<b>7140,0</b>	<b>1737</b>	<b>13</b>	<b>06</b>	<b>ERI</b>		<b>A3E</b>		<b>9k</b>	<b>7140.023 kHz - Radio Eritrea</b>

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DK2OM	7140,0	0900	11	06	RUS		PSK2A	120	2600	AT3004D – St. Petersburg
DK2OM	7161,0	1930	18	06	FEa		FMOP		32k	Codar like ocean surface radar 2.6 sps – 7161 – 7193 kHz
DK2OM	7179,0	2045	06	06	RUS		PSK2A	120	2600	AT3004D – possibly Black Sea
DK2OM	<b>7180,0</b>	<b>1739</b>	<b>17</b>	<b>06</b>	<b>ERI</b>		<b>A3E</b>		<b>9k</b>	<b>7180,022 kHz - Radio Eritrea</b>
DK2OM	7185,5	vt	dly	06	J TWN		FSK8	125	1750	ALE, “BV4AS” “JH1ESB” - just for info - daily
DK2OM	<b>7200,0</b>	<b>vt</b>	<b>vd</b>	<b>06</b>	<b>MMR</b>		<b>A3E</b>		<b>9k</b>	<b>Myanmar Radio</b>
DK2OM	<b>7200,0</b>	<b>1240</b>	<b>10</b>	<b>06</b>	<b>MMR</b>		<b>A3E</b>			<b>Radio Myanmar – reported by Ron Howard</b>
DK2OM	10100,8	ady	dly	06	D		F1B	50	450	Baudot - German Weatherservice – legal!
DK2OM	10110,0	vt	dly	06	SNG	no ITU	FSK8	125	1750	ALE, “CN6” “68” – Singapore Navy - Changi Naval Base
DK2OM	10113,0	vt	vd	06	TUN	no ITU	FSK8	125	1750	ALE, “TUD” “STAT5” “STAT154”
DK2OM	10114,0	vt	dly	06	ALG	no ITU	FSK8	125	1750	ALE, “BSF” “ZEN” “CM2OR2”
DK2OM	10114,8	0640	dly	06	RUS		F1B	100	1000	CIS14 – Moscow
DK2OM	10115,0	vt	dly	06	MRC	no ITU	FSK8	125	1750	ALE, “100” “114” “203” “XXZ” – West Sahara
DK2OM	10120,0	vt	dly	06	ALG	no ITU	FSK8	125	1750	ALE, “CM6” “01012016”
DK2OM	10123,0	vt	dly	06	ALG	no ITU	FSK8	125	1750	ALE, “CM3” “COF” “BSF” ”CM2” “ESA” – Algerian Airforce
DK2OM	10124,0	vt	dly	06	ALG		FSK8	125	1750	ALE, “OEB” - ALG airforce
DK2OM	10129,0	vt	dly	06	ALG	no ITU	FSK8	125	1750	ALE, “CM1” “CTF” “772”
DK2OM	10136,0	vt	dly	06	ALG	no ITU	FSK8	125	1750	ALE, “CM3” “BLD” “CNC” “TF2”
DK2OM	<b>10144,0</b>	<b>ady</b>	<b>dly</b>	<b>06</b>	<b>D</b>	<b>DK0WCY</b>	<b>A1A</b>			<b>10144.000 kHz - DK0WCY – German aurora beacon – just for info!</b>
DK2OM	10145,5	vt	dly	06		JH1ESB	FSK8	125	1750	ALE, “JH1ESB” - just for info - daily
DK2OM	10145,5	vt	dly	06	TWN AUS	BV4AS	FSK8	125	1750	ALE, “BV4AS” “VK4SAA” – just for info!
DK2OM	13988,0 RF	1302	09	06	RUS		MFSK	65.8	2620	MFSK 16 tones – area of Moscow
DK2OM	13998,0 RF	1301	06	06	RUS		MFSK	65.8	2620	MFSK 16 tones – area of Moscow
DK2OM	14000,2	1222	06	06	FEa		USB			Far East pirates - daily
DK2OM	14008,0	0840	14	06	RUS		F1B	50	250	Moscow
DK2OM	14010,0	0656	30	06	CHN		FMOP		160k	14010 – 14170 - Chinese wideband OTH radar – 10 sps
DK2OM	14038,0	0838	30	06	CHN		FSK8	125	1750	ALE, “319 – 737” – Chinese MIL
DK2OM	14050,0	0940	07	06	RUS		F1B	75	200	east of Moscow
DK2OM	14064,0	0759	22	06	RUS		F1B	50	250	?
DK2OM	14094,0	0925	07	06	CHN		FMOP		160k	14094 – 14254 - Chinese wideband OTH radar – 10 sps
DK2OM	14100,0	vt	dly	06	ALG	no ITU	FSK8	125	1750	ALE, “6206” “6204” “6212” “6202” “6203” “6207” “6217” “MTL” “IJJ” – Mauritanian border – daily, all day
DK2OM	14103,4	0948	14	06	RUS		F1B	600	600	DPRK-FSK 600 – DPRK emba Moscow
DK2OM	14104,0	0930	05	06	CHN		FMOP		160k	14104 – 14264 - Chinese wideband OTH radar – 10 sps
DK2OM	14108,0	1006	21	06	CHN		FMOP		160k	14108 – 14268 kHz - Chinese wideband OTH radar – 10 sps
DK2OM	14109,0	vt	dly	06	TWN	HAM	FSK8	125	1750	ALE, “BV4AS” – daily - just for info!
DK2OM	14109,0	vt	dly	06	S HRV D		FSK8	125	1750	ALE, “SM3FXL” “9A4OS” “9A3BRV” “DK0ESD” - just for info!




DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DK2OM	14109,0	vt	vd	06	J		FSK8	125	1750	ALE, "JH1ESB" – just for info
DK2OM	14116,0	0758	22	06	RUS		F1B	50	250	
DK2OM	14116,0	0840	29	06	RUS		F1B	75	250	Moscow
DK2OM	14125,0	1300	14	06	CHN		FMOP		160k	14125 – 14285 kHz - Chinese wideband OTH radar – 10 sps
DK2OM	14133,0	0851	17	06	CHN		FMOP		160k	14133 – 14293 - Chinese wideband OTH radar – 10 sps
DK2OM	14146,0	0850	08	06	CHN		FMOP		10k	Chinese OTH radar – 66.66 sps – 3.8 sec bursts
DK2OM	14160,0	vt	dly	06	MRC		FSK8	125	1750	ALE, "9204" "9228" "9236"
DK2OM	14162,0	0814	06	06	CHN		FMOP		160k	14162 – 14322 - Chinese wideband OTH radar – 10 sps
DK2OM	14170,0	0945	12	06	CHN		FMOP		160k	14170 – 14330 - Chinese wideband OTH radar – 10 sps
DK2OM	14186,0	0745	22	06	RUS		F1B	50	500	
DK2OM	14192,0	vt	dly	06	RUS		F1B	50 75 50 100 100	500 500 200 500 200	RUS navy Kaliningrad - daily
DK2OM	14221,0	0627	30	06	KGZ		F1B	50	200	Bishkek – mostly idling - daily various times
DK2OM	14242,0	1700	21	06	CHN		FMOP			14242 – 14402 - Chinese wideband OTH radar – 10 sps
DK2OM	14257,0	0948	12	06	CHN		FMOP		160k	14257 – 14417 - Chinese wideband OTH radar – 10 sps
DK2OM	14258,0	0738	22	06	RUS		F1B	50	250	Moscow
DK2OM	14260,0	vt	dly	06	SRB	YU1BI	FSK8	125	1750	ALE, "YU1BI" – just for info!
DK2OM	<b>14260,0</b>	<b>---</b>	<b>--</b>	<b>06</b>	<b>UKR</b>		<b>A3E</b>			<b>female voice with encrypted msgs – figures – "SZRU" = Foreign Intelligence Service of Ukraine in Rivne</b>
DK2OM	14262,0 RF	0845	26	06	CHN		OFDM	44.44	2200	OFDM 39 – PSK4B – China
DK2OM	14295,0	vt	dly	06	SRB	YU1BI	FSK8	125	1750	ALE, "YU1BI" – just for info!
DK2OM	14311,0	0844	30	06	CHN		FMOP		160k	14311 – 14471 - Chinese wideband OTH radar – 10 sps - jumping
DK2OM	14345,9	vt	dly	06	THA	HS0ZEA	A1A			HS0ZEA beacon – 14345.934 kHz - every 5 minutes – daily - just for info!
DK2OM	14346,0	vt	dly	06	POR		FSK8	125	1750	ALE, "CT2IXQ" just for info – various times, daily
DK2OM	<b>18080,0</b>	<b>0710</b>	<b>27</b>	<b>06</b>	<b>TWN</b>		<b>A3E/BC</b>			<b>Sound of Hope – Taiwan and Chinese BC jammer – daily at 06 utc and later</b>
DK2OM	18100,0	vt	dly	06	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	06	POR	CT2GOY	FSK8	125	1750	ALE, "CT2GOY" – just for info!
DK2OM	18106,2	vt	dly	06	TWN		FSK8	125	1750	ALE, "BV4AS" – just for info!
DK2OM	18107,0	vt	vd	06	RUS	RDL	F1B	50	200	CIS-50-200 - Moscow – idle and traffic – daily - Russian navy – shared band!
DK2OM	18117,5	---	--	06	POR	CT2IXQ	FSK8	125	1750	ALE, "CT2IXQ" – just for info
DK2OM	18140,0	---	--	06	SRB	YU1BI	FSK8	125	2600	ALE, "YU1BI" – just for info!
DK2OM	18150,0	0945	25	06	RUS		F1B	100	1000	harmonic from 9075 (100 Bd, 500 Hz) - Kaliningrad
DK2OM	<b>21000,0</b>	<b>---</b>	<b>--</b>	<b>06</b>	<b>B</b>		<b>USB</b>			<b>Brazilian pirates – Rio de Janeiro with North Brazil – very often</b>
DK2OM	21096,0	vt	dly	06	INS	YD00XH	FSK8	125	1750	ALE, "YD00XH3" – daily, various times - just for info!

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DK2OM	21096,0	vt	vd	06	G		FSK8	125	1750	ALE, "M1DFO" – just for info!
DK2OM	21100,0	2024	06	06	B		LSB			Brazilian fishermen – reported by Paulo
DK2OM	21145,0	vt	dly	06	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	06	I	IZ3DVW	A1A			IZ3DVW beacon – 21145,790 kHz – daily, all day - not coordinated with IARU
DK2OM	21190,0	---	--	06	RUS		F1B	100	1000	harmonic from 10595 kHz - Moscow
DK2OM	21400,0	---	--	06	RUS		F1B	50	2000	harmonic from 5350 kHz – area of Moscow
DK2OM	21438,0	vt	vd	06	RUS	RCV	A1A			RBE86 de RCV - RUS Navy Sevastopol - often
DK2OM	21446,0	ady	dly	06	THA	HS0ZEA	A1A			HS0ZEA beacon – every 5 minutes - just for info!
DK2OM	25000,0	---	--	06	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	1930	07	06	B		A3E			Brazilian CBers – 28000 – 28325 – daily, all day - no change
DK2OM	28000,0	vt	ady	06	CIS		F3E			28000 – 29700 numerous CIS taxi nets – no change
DK2OM	28000,0	2100	02	06	MRC		USB			Moroccan pirates
DK2OM	28000,0	2135	02	06	I		USB			Italian pirates
DK2OM	28000,0	0930	15	06	I		USB			Italian pirates on USB on FM on 17.06. at 1345 utc
DK2OM	28000,0	1746	17	06	E		USB			Spanish pirates
DK2OM	28000,0	0845	23	06	NAf		USB			pirates in Arabic voice – 170 - 180 deg. from DL - probably North Africa – daily – various times
DK2OM	28000,0	0912	27	06	G		USB			pirates in English voice – 290 deg. frm DL
DK2OM	28000,8	0920	14	06	G		MFSK-65	2.69	20	28000.750 kHz - JT65 – 280 deg from DL
DK2OM	28000,8	1743	26	06	G?		MFSK-65	2.69	20	28000.750 kHz – JT65 - YC6GHT – SW3UOS – 1S9LND – SV0VVD – not mentioned in QRZ.com!
DK2OM	28005,0	1309	28	06	E		A3E			Spanish children – long lasting
DK2OM	28015,0	0725	02	06	MEa		USB			Arabic male net – Codan beep
DK2OM	28025,0	---	--	06	POR		F1B	51	320	F1B bursts - west of Lisbon – Atlantic Ocean - Enagal GPS buoy
DK2OM	28035,0	ady	dly	06	RUS		F3E			RUS taxi – Moscow - daily
DK2OM	28035,0	1629	24	06	I		A3E			Italian children
DK2OM	28035,0	1903	28	06	RUS		F3E			RUS taxi – jumping 28105 and 28035
DK2OM	28051,5	---	--	06	POR		F1B	51	320	F1B bursts - west of Lisbon – Atlantic Ocean - Enagal GPS buoy
DK2OM	28065,0	0915	05	06	POR		F1B	51	320	F1B bursts - west of Lisbon – Atlantic Ocean - Enagal GPS buoy
DK2OM	28075,0	---	--	06	POR		F1B	51	320	F1B bursts - west of Lisbon – Atlantic Ocean - Enagal GPS buoy

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DK2OM	28085,1	0956	03	06	POR		F1B	51	320	F1B bursts - west of Lisbon – Atlantic Ocean - Enagal GPS buoy
DK2OM	28105,0	1900	28	06	RUS		F3E			RUS taxi – female person
DK2OM	28130,0	0854	18	06	IRN		AM-pulse		55k	Iranian radar bursts – 307 sps - jumping
DK2OM	28160,3	0937	28	06	CHL F		FSK-65	2.69	20	28160.250 - just for info: JT65 – XQ9PFT – Chile FZ6XLW - France
DK2OM	28175,0	0700	29	06	RUS		F3E			RUS taxi – female person
DK2OM	28185,0	0930	25	06	RUS		F3E			RUS taxi
DK2OM	28195,0	0913	25	06	RUS		F3E			RUS taxi – daily – all day
DK2OM	28205,0	1920	28	06	I	names	F3E			Italian CBers
DK2OM	28212,0	---	--	06	POR		F1B	51	320	F1B bursts - west of Lisbon – Atlantic Ocean - Enagal GPS buoy
DK2OM	28275,0	---	--	06	POR		F1B	51	320	F1B bursts - west of Lisbon – Atlantic Ocean - Enagal GPS buoy
DK2OM	28285,0	0908	25	06	IRN		AM-pulse		55k	Iranian radar bursts – jumping
DK2OM	28335,0	1843	11	06	E		F3E			Spanish CBers – roger beep
DK2OM	28335,0	1734	13	06	E		A3E/F3E			Spanish CBers – every evening
DK2OM	28435,0	----	--	06	E		F1B	81.9	140	Datawell-buoy “Waverider” – 28435.040 kHz – Costa del Sol – Malaga
DK2OM	28459,8	---	--	06	GAB		A3E		1060	carrier and dots in USB and LSB, bursts every 60 sec – carrier – Gabon - daily
DK2OM	28499,8	---	--	06	MEa		F1B	81.9	140	Datawell-buoy “Waverider” – 28499.875 kHz – Persian Gulf
DK2OM	28746,5	---	--	06	GAB		A3E			carrier and dots in USB and LSB, bursts every 60 sec – carrier – Gabon
DK2OM	28751,6	---	--	06	GAB		A3E		1080	carrier and dots in USB and LSB, bursts every 60 sec – carrier – Gabon
DK2OM	28850,0	1200	06	06	IRN		AM-pulse		55k	Iranian radar bursts – 306 and 870 sps – long lasting
DK2OM	28850,0	0900	07	06	IRN		AM-pulse		55k	Iranian radar bursts – 150, 289, 306, 308, 312 and 870 sps – long lasting
DK2OM	28860,0	2144	02	06	IRN		AM-pulse		55k	Iranian radar bursts – 313 and 150 sps – long lasting
DK2OM	28860,0	0820	15	06	IRN		AM-pulse		52k	Iranian radar bursts – 306 and 150 sps – long lasting
DK2OM	28865,0	1637	26	06	IRN		AM-pulse		55k	Iranian radar bursts – 150 and 313 sps – long lasting
DK2OM	29114,0	---	--	06	RUS		F1B	100	2000	harmonic from 14557.0 kHz - Moscow
DK2OM	29249,9	1759	11	06	E		F1B	81.9	140	Datawell-buoy “Waverider” – 29249.880 kHz – Spain Fuerteventura – reported by CT2IWW
DK2OM	29250,0	0942	03	06	IRN		AM-pulse		50k	Iranian radar bursts – 150 and 313 sps – long lasting - daily
DK2OM	29306,0	0858	03	06	IRN		AM-pulse		55k	Iranian radar bursts – 870 sps
DK2OM	29350,0	0830	03	06	IRN		AM-pulse		55k	Iranian radar bursts – 306 and 870 sps – long lasting
DK2OM	29375,0	---	--	06	I		F1B	81.9	140	Datawell-buoy “Waverider” – 29374.898 kHz – Gallipoli, South Italy - daily, all day
DK2OM	29387,5	---	--	06	IND		F1B	81.9	140	Datawell-buoy “Waverider” – 29387.460 kHz – Indian NW



DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
										coast, close to Pakistan - daily, all day
DK2OM	29400,0	---	--	06	USA		F1B	81.9	140	Datawell-buoy "Waverider" – 29400.070 kHz - USA north-east coast – NY daily, all day
DK2OM	29420,0	0748	01	06	MEa		OFDM	24.8	2450	OFDM 68
DK2OM	29450,0	---	--	06	MRC		F1B	81.9	140	Datawell-buoy "Waverider" – 29449.863 kHz - area of El Aaiun – Morocco - daily, all day
DK2OM	29500,0	---	--	06	G		F1B	81.9	140	Datawell-buoy "Waverider" – 29499.974 kHz- area of Gibraltar – daily, all day
DK2OM	29525,0	---	--	06	MRC		F1B	81.9	140	Datawell-buoy "Waverider" – 29524.990 kHz - Agadir - Morocco – daily, all day
DK2OM	29625,0	---	--	06	USA		F1B	81.9	140	Datawell-buoy "Waverider" – 29625.024 kHz - USA north-east coast – daily, all day
DK2OM	29685,0	---	--	06	I		VFT		2300	Italian MIL – Brescia - daily
DK2OM	29699,5	---	--	06	I		VFT		1600	Italian MIL – Brescia - daily
DK2OM	50100,0	vt	dly	06	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	0051	19	06	RUS		USB/LSB	Russian navy Kaliningrad. Daily in the middle of the night.
IRTS	3550	0530	05	06	F		AM	French HAMS violating the band plan on a daily basis.
IRTS	3560	0714	12	06	E or MM		USB	2 Spanish fishermen. Great signals.
IRTS	5282	1150 to 1120	19	06	UK or MM		USB	2 UK fishermen. Great signals. One of them is called Dave.UK spot frequency on 5MHz.
IRTS	5297	1720	19	06	HOL or MM		USB	2 Dutch fishermen using a UK spot frequency. Strong signals.
IRTS	5342	1950	14	06				Radar from 5342 to 5418 KHz. Nearly daily. Makes any QSO impossible.
IRTS	5385	0755 to 0822	14	06	E or MM		USB	2 Spanish fishermen with strong motor noise from both ships using an UK spot frequency.
IRTS	5405	2045-2101	09	06	E or MM		USB	2 Spanish fishermen on an Irish spot frequency.
IRTS	7055	2030	05	06	UKR/RUS		LSB	Ukrainian-Russian radio war. Nearly daily all day.
IRTS	7065	1830	22	06	UKR/RUS		LSB	Russian-Ukrainian radio war. Nearly daily all day.
IRTS	7120	2000	07	06			Digital	Strong digital signal from 7120 to 7124 KHz.
IRTS	7112.8	1749	22	06			Digital	Big digital signal from 7112.8 to 7115 KHz.
IRTS	7140	0310	04	06	ERI		AM	Radio Eritrea. Daily in the early morning.
IRTS	7141	0825	14	06			Digital	Big digital signal. Still on at 1150z
IRTS	7162	1120	25	06			Digital	Link Clew. Strong. Probably NATO. Still on the 26 <sup>th</sup> at 1000z
IRTS	7180	0301	04	06	ERI		AM	Radio Eritrea with s/on. Heard daily in the early morning.
IRTS	10129.5	0315	04	06				Pulsing sound. Like dropping water. One pulse per second.

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	DETAILS		
IRTS	14110	2035	05	06	UKR/RUS		LSB	1.harmonic of 7055 KHz.		
IRTS	14116	0940	29	06	RUS		F1B	Russian military,Moscow.		
IRTS	14130	1831	22	06	UKR/RUS		LSB	1. harmonic of 7065 KHz.		
IRTS	14192	1046	01	06	RUS		F1B	Russian navy, Kaliningrad. Daily all day during daylight hours.		
IRTS	14221	0430	04	06	KGZ		F1B	Bishkek. Daily. Always heard in the early morning.		
IRTS	14234	0850	08	06			Digital	Huge digital signal from 14239 to 14234 KHz.		
IRTS	14267.5	1138	19	06			Digital	Monster digital signal from 14267.5 to 14272.5 KHz.		
IRTS	14289	1620	22	06			Digital	Big digital signal from 14289 to 14293.2 KHz		
IRTS	18080	0630	13	06	TWN		AM	Voice of Hope, Taipei. Heard nearly daily in the early morning.		
IRTS	18108	1227	23	06				Dropping sound like heard on 4.06 and 17.06.		
IRTS	18147	1350	27	06				Dropping sound like on 4 <sup>th</sup> , 17 <sup>th</sup> and 23 <sup>rd</sup> of June. Gone at 1355z		
IRTS	18160	1420	17	06				Dropping sound like on the 4 <sup>th</sup> of June.		
IRTS	18167.5	1710	19	06			USB	Asian language, probably INS fishermen.		
IRTS	21017	0808	14	06			FMCW	Radar from 21017 to 21040KHz. Strong.		
IRTS	28215	1303	04	06	I		AM	Italian Cbers.		

### KARS – Kuwait – 9K2RR (Faisal)

### MRASZ – Hungary - HA7PL (Laci)

### OEVSV – Austria – OE3GSA (Gerd)

### PZK – Poland – SP9BRP (Jan)

### REF – France – F5MIU (Francis)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	Baud	Sh /Bw	DETAILS
F5MIU	7200	1708	18	6			AM		15kHz	Italian “amateur” (?) station, no call sign given, S9!
F5MIU	14305	0743	30	6			cw		100hZ	1 sec clock jumping frequency all around the band S5
F5MIU	14305	1619	30	6			cw		100hZ	1 sec clock jumping frequency all around the band S5
F5MIU	18090	0748	20	6			fmcw		20kHz	OTH Radar pulsed 20ms,S7
F5MIU	21000	1612	30	6			usb		3kHz	2 fisherman talking in Spanish
F5MIU	21010	0745	5	6			fmcw		20kHz	OTH Radar 20 sps,S9+
F5MIU	21030	0746	14	6			fmcw		20kHz	OTH Radar pulsed 40ms,S9+
F5MIU	28450	0738	15	6			fmcw		20kHz	OTH Radar pulsed 20ms,S7

### REP – Portugal – CT4AN (Jose Francisco)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
REP	3500	21.57	09	06	E		J3E-U			Spanish fishery w/CRY2000 scrambler
REP	3520	07.29	19	06	E		J3E-U			Spanish fishery
REP	3545	08.34	07	06	F		J3E-U			French fishery
REP	3585	21.37	09	06	E		J3E-U			Spanish fishery w/CRY2000

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
										scrambler
REP	3610	08.07	26	06	POR		J3E-U			Portuguese fishery, long conversation
REP	3747	21.46	20	06	E		J3E-U			Spanish fishery, Galicia province
REP	3755	20.02	11	06	RUS		A3E			Russian mil
REP	5350	18.00	01	06	E		J3E-U			Fishery
REP	>6999	21.23	09	06	RUS		A3E			Buzzer **
REP	>6999	21.09	21	06	E		J3E-U			Spanish fishery spilling into amateur allocation
REP	7000	20.05	08	06	B		J3E-U			Brazilian fishery, everyday
REP	7070	21.14	21	06			J3E-U			Unid language ops, data bursts, unid ALE
REP	7085	10.55	15	06	RUS		F1B	75	250	CIS50
REP	7100	12.12	15	06	RUS		F1B	50	200	CIS36-50
REP	7122	21.15	18	06	RUS		F1B			CIS36-50, Russian mil
REP	7160	22.44	20	06			PSK			Nato network
REP	10115	18.52	25	06	E		J3E-U			Fishery
REP	10130	19.06	25	06	MRC		J3E-U			Fishery
REP	10132	09.37	14	06	F		J3E-U			French amateurs still ignoring IARU bandplans
REP	10140	19.02	25	06			FMCW	50	17k	OTH radar
REP	14001	21.09	14	06			J3E-U			Spanish language fishery, C/S American accents
REP	14035	15.20	18	06	RUS		PSK2	120	3k	AT3004D
REP	14120	16.26	18	06			FMCW			OTH radar
REP	14200	10.15	18	06	RUS		FSK	50	200	Navy encrypted
REP	14300	08.05	30	06			NON			1PPS apparent time synch signal, unid
REP	18095	12.33	18	06			FMCW	50	20k	OTH radar
REP	21000	13.28	07	06	E		J3E-U			Fishery
REP	21220	14.00	07	06	MRC		J3E-U			Fishery
REP	28000	16.28	08	06	G		F3E			UK CB'rs, Liverpool, also 28050.0 kHz
REP	28025	19.11	25	06			F1B	51	270	Enagal GPS buoy
REP	28050	11.17	21	06	E		J3E-U			Spanish CB'rs
REP	28051	12.38	21	06			F1B	51	300	Enagal GPS buoy
REP	28100	18.28	02	06	E		J3E-U			Spanish CB'rs
REP	28335	17.43	13	06	E		A3E			Spanish CB'rs
REP	28550	11.30	12	06	RUS		F3E			Taxis dispatchers
REP	28725	11.42	12	06	RUS		F3E			Taxis dispatchers
REP	29250	17.59	11	06			F1B	81	180	Datawell GPS buoy

### RSGB - Great Britain – G4DYA (Richard)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/BW	DETAILS
RSGB	5360.0	1516	02	06			J3E		2K70-E	USB Unknown lang., poss. fishing
RSGB	5378.5	0753 1533	01 02	06 06			J3E		2K70-E	USB Unknown lang., poss. fishing
RSGB	7000.0	2107	26	06			J7D		2K70-E	USB 6998.0 / MS5 - ceased at 2111
RSGB	7009.0	1944	04	06			J7D		2K70-E	USB 7007.0 / MS5
RSGB	7010.0	2141	11	06			J7D		2K70-E	USB 7008.0 / MS5
RSGB	7020.0	2015	20	06			F1B	50	250	
RSGB	7022.0	1755	05	06			J7D		2K70-E	USB 7020.0 / MS5 - ceased at 1804
RSGB	7022.0	0720	30	06			J7D		2K70-E	USB 7020.0 / MS5
RSGB	7032.171	vt	19,20	06			A1N		250H-E	Pulsed carrier
RSGB	7033.0	vt	05- 07	06			B7D		6K60-E	ISB / MS5 until 071928z



SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/BW	DETAILS
RSGB	7035.0	vt	07,08	06			J7D		2K70-E	USB 7033.0 / MS5 from 071930z
RSGB	7036.0	1714	16	06			J7D		2K70-E	USB 7034.0 / MS5
RSGB	7038.5	ady	dly	06	CZE	OK0EU	A1A			For info: QRP propagation beacon.
RSGB	7038.8	2207 0718	01 02	06		P	A1A			Morse letter 'P'
RSGB	7078.0	0804	15	06			J7D			USB 7076.0 / MS5
RSGB	7120.0	1612	07	06			J7D		2K70-E	USB 7118.0 / MS5
RSGB	7122.0	vt	18- 20	06			F1B	50	250	
RSGB	7140.0	vt	06, 13,14	06			J7D		2K70-E	USB 7138.0 / MS5
RSGB	7140.0	vt	vd	06	ERI	VoBM 1	A3E			BC
RSGB	7160.8	vt	24- 27	06			J7D		2K40-E	USB 7159.0 / Link 11 CLEW
RSGB	7170.0	1842	08	06			J7D		2K70-E	USB 7168.0 / MS5
RSGB	7179.0	1941	06	06			J7D		2K70-E	USB 7177.0 / MS5
RSGB	7180.0	vt	vd	06	ERI	VoBM 2	A3E			BC
RSGB	7181.9	1808	02	06			N0N			Unmodulated carrier
RSGB	7190.0	vt	12,13	06			A3E			BC. Ceased at 1600
RSGB	10100.8	ady	dly	06	D	DDK9	F1B	50	450	For info - Primary user
RSGB	10111.2	1528	02	06			J3E			USB Unknown language
RSGB	14008.0	vt	14,25	06			F1B	50	250	
RSGB	14050.0	1029	07	06			F1B		200	
RSGB	18150.0	0757	25	06			F1B		1000	Poss. 2nd harmonic 9075 kHz
RSGB	28125.0	0748	05	06			F3E		12K0-E	Unknown language, brief voice tx
RSGB	28860.0	vt	vd	06	IRN		P0X		40K0-E	OTHR prf 150 / 313 Hz.

### SRAL – Finland – OH2BLU (Pekka)

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	BAUD	SHIFT	REMARKS
SRAL	7000.0	1200	27	6		UiMUX	PSK2	120	2600	
SRAL	7006.5	1115- 1320	*	6		UiPTR	F1B		250	Days: 17. 28.
SRAL	7008.0	0430- 0500	*	6		UiPTR	F1B		250	Days: 2. 4. spurious + 8kHz
SRAL	7008.5	0930- 1130	2 20	6		UiMUX	PSK2	120	2600	
SRAL	7011.0	'0945	15	6		UiPTR	F1B		500	Also J3E-u russ vox
SRAL	7018.0	1150	4	6		UiPTR	F1B			
SRAL	7020.0	0345- 1325	*	6		UiPTR	F1B		250	Days: 17. 21. 22.
SRAL	7021.0	1200- 1215	2	6		UiMUX	PSK2	120	2600	
SRAL	7022.0	0750- 1315	*	6	RUS	UiMUX	PSK2	120	2600	Days: 28. 30.
SRAL	7025.0	0715- 1630	*	6		UiPTR	F1B		200	Days: 5. 7. 8. 13. 30.
SRAL	7030.0	'0745	14	6		UiMUX	PSK2	120	2600	
SRAL	7032.0	1530- 1720	17	6		UiMUX	PSK2	120	2600	
SRAL	7033.0	0245- 1945	5 6 7	6	RUS	UiMUX	PSK2	120	2600	Maybe h24
SRAL	7034.0	1015- 1825/	*	6		UiPTR	F1B/ N0N		250	Days: 5. 8. 9. 13. 16.
SRAL	7035.0	0430- 0715	8	6		UiMUX	PSK2	120	2600	
SRAL	7036.0	1755	16	6		UiMUX	PSK2	120	2600	
SRAL	7038.8	0500- 1700	1 2	6	RUS	P	A1A			

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	BAUD	SHIFT	REMARKS
SRAL	7055.0	1115	22	6		UiMUX	PSK2	120	2600	
SRAL	7057.0	1025	24	6		UiMUX	PSK2	120	2600	
SRAL	7057.0	1445-1507/	11 17	6		UiMUX	PSK2	120	2600	
SRAL	7058.0	1030-1245	6	6		UiPTR	F1B		200	
SRAL	7060.0	0925-1410	6 21	6		UiMUX	PSK2	120	2600	
SRAL	7072.0	0820-0945	8	6		UiMUX	PSK2	120	2600	
SRAL	7076.0	1050-1205	1 8	6		UiPTR	F1B		250	
SRAL	7078.0	0800-1230	*	6	RUS	UiMUX	PSK2	120	2600	Days: 6. 15. 24.
SRAL	7079.0	1220-1250	16	6		UiPTR	F1B			
SRAL	7086.0	1245-1300	2	6		UiPTR	F1B			
SRAL	7088.0	0525-1805	27 28	6		UiPTR	F1B/ N0N		200	
SRAL	7090.0	0820-0900	12	6		F42L	A1A			5BL
SRAL	7090.5	1250-1330	16	6		UiMUX	PSK2	120	2600	
SRAL	7099.0	'0830	8	6		UiMUX	PSK2	120	2600	
SRAL	7099.0	1535-1320/	28	6		UiPTR	F1B		200	
SRAL	7110.0	0930-1105/	28	6		UiPTR	F1B			
SRAL	7111.0	1600-1622/	11	6		UiPTR	F1B		200	
SRAL	7112.0	0930-1105/	19 24	6		UiMUX	PSK2	120	2600	
SRAL	7118.0	0825-1200	22 27	6		UiMUX	PSK2	120	2600	
SRAL	7120,0	0400-0415		6	SOM	R.Hargeis a	A3E			Not heard
SRAL	7120,0	1545-2005/		6	SOM	R.Hargeis a	A3E			Not heard
SRAL	7120.0	1545-1930	7	6	RUS	UiMUX	PSK2	120	2600	
SRAL	7122.0	h24	18 - 21	6	RUS	UiPTR	F1B		250	
SRAL	7128.0	1430-1445	20	6		UiCW	A1A			5BL
SRAL	7140,0	0245-0600	1. - 20.	6	ERI	VoBME	A3E			
SRAL	7140,0	1400-1835/	1. - 20.	6	ERI	VoBME	A3E			
SRAL	7140.0	0540-1400	14	6		UiMUX	PSK2	120	2600	
SRAL	7156.0	1335	30	6		UiPTR	F1B			
SRAL	7159.0	0530-1830	24. - 27.	6	IW	UiLINK11	PSK			
SRAL	7161.0	0910-0917/	25	6		624	R3E-u			Synth. Female vox
SRAL	7162.0	1300-1845	3 19	6		UiPTR	F1B		250	
SRAL	7167.0	0730-045	13	6		F2CT	A1A			5F
SRAL	7169.0	0940-1400	22 24	6		UiPTR	F1B		250	
SRAL	7170.0	1830-1900/	8	6		UiMUX	PSK2	120	2600	
SRAL	7178.0	1300-	29	6		UiMUX	PSK2	120	2600	

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	BAUD	SHIFT	REMARKS
		1325/								
SRAL	7178.5	'0850	20	6		UiCW	A1A			5BL
SRAL	7180.0	0330-0600	dly	6	ERI	VoBME	A3E			
SRAL	7180.0	1300-1835/	dly	6	ERI	VoBME	A3E			
SRAL	7190.0	/1457-1600/	10. - 13.	6	AUS	RBA	A3E			Reach Beyond Australia
SRAL	7198,0	1915-1930	13	6		UiMUX	PSK2	120	2600	
SRAL	7200.0	1230-1500	*	6	MMR	Myanmar Radio	A3E			Days: 9. - 14.
SRAL	10 MHz			6	RUS	29B6	FMCW			25/50Hz ,15 kHz (WebSDR 6d)
SRAL	14004.0	1220	19	6		UiPTR	F1B		500	
SRAL	14008.0	0720-0850	*	6		UiPTR	F1B		250	Days: 4. 10. 16. 17.
SRAL	14050.0	0900-0950	9	6		UiMUX	PSK2	120	2600	
SRAL	14108.0	0430-1045	*	6		NISY etc.	A1A			Days: 2. 6. 9. 10. 17. 20. 22. 28. 30. 5BL, 5F
SRAL	14116.0	0730-1525	*	6	RUS	UiPTR	F1B		250	Days: 16. 29. 30.
SRAL	14118.0	0850-1000	16	6		UiMUX	PSK2	120	2600	
SRAL	14118.0	'0955	30	6		UiCW	A1A			5L
SRAL	14120.5	'0415	6	6		UiCW	A1A			5BL
SRAL	14169.0	'0750	5	6		UiPTR	F1B		200	
SRAL	14192.0	0515-1400	*	6	RUS	UiPTR	F1B		20	Days: 2. 3. 5. 6. 8. 9. 11. 13. 14. - 17. 20. 22. - 24. 27. 28.
SRAL	14204.0	'0600	13	6		UiCW	A1A			5BL
SRAL	14221.0	0245-0600/	dly	6	KGZ	UiPTR	F1B		200	
SRAL	14242.0	'0955	5	6		UiMUX	PSK2	120	2600	
SRAL	14258.0	'0815	22	6		UiPTR	F1B		250	
SRAL	14272.0	1115-1155	19	6		UiMUX	PSK2	120	2600	
SRAL	14295.0	1330-1900	17	6	TJK	R. Tajik	A3E			3f 4765 kHz
SRAL	18 MHz	0615-1320	*	6	CYP / TUR	UiOTHR	FMCW			25/50Hz / 20 kHz, days: 2. 9. 10. 21. (WebSDR 15d)
SRAL	21 MHz	0700-0815	14 23	6	CYP / TUR	UiOTHR	FMCW			25/50Hz / 20 kHz, (WebSDR 11d)
SRAL	21438,0	0830-1315	*	6	RUS	RCV	A1A			Days: 2. 9. 10. 16. 17.
SRAL	24 MHz			6		UiOTHR	FMCW			(WebSDR 2d)
SRAL	28 MHz	0420-1900	*	6	IRN	UiOTHR	FMCW			307 & 870 Hz / 60 kHz. Days: 1. 3. 5. 7. 9. 10. 11. 14. 16. 17. 19. jumping
SRAL	28860.0	0515-1400	*	6	IRN	UiOTHR	FMCW			150 & 313 Hz / 60 kHz. Days: 1. - 11.13. 14. 25. - 30.
SRAL	28 MHz			6		UiOTHR	FMCW			25/50Hz / 20 kHz (WebSDR 2d)
SRAL	28 MHz	0530-1815	*	6	RUS	Taxi disp.	F3E			Days: 1. 2. 5. 6. 7. 11. 13. 14. 19. 20. 21. 22. 25. - 28. 56 reports



## URE – Spain – EB1TR (Fabian)

SOC	KHz	UTC	DD	MM	ITU	ID	MODE	BD	SH	DETAILS
URE	5351,5	19:19	26	6			F1B		100	
URE	7000	21:27	26	6			PSK2A	120	2600	AT3004D
URE	7006,5	11:45	4	6			F1B		200	
URE	7008,5	6:30	6	6			PSK2A	120	2600	AT3004D
URE	7009	18:40	4	6			PSK2A	120	2600	AT3004D. Submode idle.
URE	7018	11:48	4	6	RUS		F1B	75	200	Kaliningrad
URE	7020	19:23	20	6	RUS		F1B	75	250	Kaliningrad VD
URE	7031	17:25	21	6						SSTV
URE	7032,1	5:58	19	6	RUS					Pulsing carrier - dots of 360 msec length - and short gaps of 50 msec. Broken system? Sevastopol, Crimea.
URE	7032,3	18:31	4	6						Carrier.
URE	7033	VT	VD	6	RUS		PSK2A	120	5200	AT3004D DSB mode, Kaliningrad 6-6 2018
URE	7038	17:30	21	6			F1B			F1B bursts
URE	7038	7:16	22	6			J3E			Unid persons talking. Russian language
URE	7038,5	7:15	22	6						OK0EU QRP Beacon (just for info; legal)
URE	7050	19:12	VD		RUS/U KR		J3E			BC
URE	7055	19:12	VD	6	RUS/U KR		J3E			BC
URE	7088	17:39	28	6	RUS		F1B	75	200	RUS
URE	7122	21:36	19	6	RUS		F1B	50	250	Kaliningrad.VD
URE	7146	18:49	7	6	RUS		PSK2A	120	2600	AT3004D Crimea, Sevastopol?
URE	7160,8	16:48	25	6			PSK4	75	230	LINK 11 - CLEW
URE	10102	23:32	1	6			SSB			Unid persons talking. Arabic language
URE	10108	VD	VD	6	RUS		F1B	50	200	CIS 50-50 Moscú
URE	10110	22:07	3	6						Dot every second, as a time signal. Dot = 20 msec. Random frequency jumps.
URE	10112	VT	VD	6			PSK2A	120	2600	AT3004D 5-6
URE	10112	6:00	12	6			PSK2A	120	2600	AT3004D
URE	10114,8	7:00	9	6	RUS		F1B	100	1000	CIS14, Moscow. VD
URE	10115	23:22	1	6			J3E			Unid persons chatting. South America. Spanish language.
URE	10116,8	7:02	29	6			PSK2A	120	2600	AT3004D
URE	10118	18:29	7	6	RUS		F1B	75	250	Moscow
URE	10120	22:55	1	6						Dot every second, as a time signal. Dot = 20 msec. Random frequency jumps.
URE	10128	21:30	7	6					12 k	OTH Radar: Long range mode. 7 Sweeps x sec.
URE	10130	10:22	29	6			PSK2A	12	2600	AT3004D
URE	10131	5:56	4	6			F1B		300	
URE	10140	6:05	4	6			N0N			Carrier
URE	10140,2	6:05	4	6			N0N			Carrier
URE	10142	20:34	8	6					12 K	OTH Radar: Long range mode. 7 Sweeps x sec.10142 to 10150 kHz
URE	10143	17:44	7	6			F1B		250	
URE	14000	6:59	2	6			N0N			Carrier
URE	14003	11:04	28	6			F1B		250	
URE	14008	7:01	2	6	RUS		F1B	50	170	Moscow
URE	14008	7:34	25	6	RUS		F1B	50	250	Moscow

SOC	KHz	UTC	DD	MM	ITU	ID	MODE	BD	SH	DETAILS
URE	14050,6	9:31	7	6	RUS		F1B	75	200	Moscow
URE	14116	6:08	29	6			F1B	75	250	Moscow
URE	14128,5	6:40	29	6						<a href="https://bit.ly/2tDNax0">https://bit.ly/2tDNax0</a>
URE	14169	7:45	25	6			F1B		200	
URE	14171	7:42	25	6			PSK2A	120	2600	AT3004D
URE	14192	7:04	2	6	RUS		F1B	50	200	RUS Navy. Kaliningrad
URE	14221	5:44	4	6	KGZ		F1B	50	200	Kyrgyzstan – Bishkek. Also on 08 June 20:41 UTC
URE	14258	7:50	25	6			F1B		500	
URE	14285	7:32	30	6						Dot every second, as a time signal. Dot = 20 msec. Random frequency jumps.
URE	18060	9:15	9	6						OTH Radar. 18160 to 18168 KHz.
URE	18080	7:23	2	6			N0N			Carrier
URE	18080	13:15	4	6						Dot every second, as a time signal. Dot = 20 msec. Random frequency jumps.
URE	18085	13:13	4	6					~6K	Digital signal, “foghorn sound” (?)
URE	18150	7:28	25	6	RUS		F1B	100	1000	Harmonic of 9075 Khz. Kaliningrad.
URE	18160	10:38	5	6						OTH Radar splattering from 18168 to 18160 KHz
URE	21400	13:55	23	6						OTH Radar Splatter to 21397 KHz

### USKA – Switzerland – HB9CET (Peter)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH (BW)	DETAILS
USKA	3519.5	2233	26	06			F1B	50	200	
USKA	3524.0	2127	17	06			F1B	75	250	
USKA	3525.0 (LSB + USB)	2207 2138	13 25	06			B7D DQPSK	14x75	5k9	LINK 11 CLEW; DSB Mode almost daily
USKA	3527.0	2210	13	06			F1B	50	250	almost daily
USKA	3549.0 VFO USB	2100	04	06			G1D PSK8	2400	2k7	MIL 188-110A mod (Hybrid), preamble 4 tones, PSK4 75Bd 450Hz spacing
USKA	3552.0 VFO USB	2105 2015	04 12	06			G1D PSK8	2400	2k4	STANAG 4285 daily
USKA	3560.0	2011	12	06			J3E-U		2k4	Spanish, probably fishery
USKA	3568.0	2143	25	06			F1B	50	250	
USKA	3568.0	2229	26	06			J7D	12x120	2k7	BPSK; CIS12
USKA	3578.0	2226	26	06			F1B	50	250	
USKA	3597.0	2146	25	06			J7D	12x120	2k7	BPSK; CIS12
USKA	3610.0	2224	26	06			J7D	12x120	2k7	BPSK; CIS12
USKA	3666.0	2153	05	06			J7D	12x120	2k7	BPSK; CIS12
USKA	3691.0	2155	05	06	RUS		F1B	75	200	Region of Kaliningrad
USKA	3738.5	2219	26	06			F1B	75	200	
USKA	3759.0	2021	12	06			J7D	12x120	2k7	BPSK; CIS12 often
USKA	5354.0 (LSB+USB)	2119	05	06			B7D DQPSK	14x75	5k9	LINK 11 CLEW; DSB Mode often
USKA	5354.0	2004	12	06			DQPSK	14x75	2k7	LINK 11 CLEW; ESB Mode often
USKA	7008.0	0918	13	06	RUS		F1B	75	250	
USKA	7008.5	0929	20	06			J7D	12x120	2k7	CIS12
USKA	7009.0	2049	04	06			J7D	12x120	2k7	BPSK; CIS12
USKA	7010.0	2234	14	06		920018	MFSK8	125	1750	ALE, MIL 188-141A often
USKA	7018.0	1215	04	06	RUS		F1B	75	200	Region of Kaliningrad

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH (BW)	DETAILS
USKA	7020.0	1338	17	06	RUS		F1B	75	200	
USKA	7031.0	2131	05	06			J7D	12x120	2k7	BPSK; CIS12
USKA	7035.0	2126	05	06			J7D	12x120	2k7	BPSK; CIS12
USKA	7055.0	2054	04	06			J3E-L			Music and Voice (Russian)
USKA	7058.0	1201	06	06			F1B	75	200	
USKA	7088.0	0844	27	06			F1B	75	200	
USKA	7118.0	1217	04	06			J7D	12x120	2k7	BPSK; CIS12
USKA	7120.0	1837	07	06			J7D	12x120	2k7	BPSK; CIS12 (idling)
USKA	7140.0	1617	13	06	ERI		A3E		~ 9k	BC often
USKA	7140.0	2201	13	06			J7D	12x120	2k7	BPSK; CIS12
USKA	7159.0 VFO USB	1355	25	06			DQPSK	14x75	2k7	LINK 11 CLEW SSB Mode
USKA	7159.0 (LSB +USB)	2209	26	06			B7D DQPSK	14x75	5k9	LINK 11 CLEW DSB Mode
USKA	7164.0	1233	25	06			J7D	12x120	2k7	BPSK; CIS12
USKA	7177.0	0929	13	06			FMOP	appx 3 sps	30k	OTHR
USKA	7179.0	2031	06	06			J7D	12x120	2k7	BPSK; CIS12 often
USKA	7180.0	1610	13	06	ERI		A3E		~ 9k	BC almost daily
USKA	7200.0	1409	12	06	BRM		A3E		10k	BC: Myanma Radio, down to 7195 kHz !
USKA	14008.0	0756	25	06			F1B	50	250	
USKA	14116.0	1806	29	06			F1B	75	250	
USKA	14192.0	1224	04	06			F1B	50	200	almost daily
USKA	14221.0	2031	12	06			F1B	50	200	CIS 50-50 often
USKA	14221.0	1006	28	06			F1B	75	200	
USKA	14223.5	0638	26	06			F1B	600	600	ARQ
USKA	14331.0	1330	15	06			F1B	600	600	ARQ
USKA	18080.0	0753	25	06	TWN		A3E		~15k	BC; Chinese; Sound of Hope; almost daily
USKA	18118.0	1955	12	06			A0			dots only, every 1 sec
USKA	18150.0	0749	25	06			F1B	100	1000	harmonic of 9075khz
USKA	18168.0	2001	12	06			A0			dots only, every 1 sec

### Veron – Netherlands – PG1R (Ruud)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SHIFT	DETAILS
VERON	7038,8	0930	1	6	RUS	P	A1A		P-beacon
VERON	7040,0	1234	12	6		UiPTR	F1B		Revs
VERON	7040,1	1354	21	6		UiMux		300	S4, QSB
VERON	7050,0	1407	23	6	UKR/R US		J3E-1		Comments; no calls; S5
VERON	7055,0	vt	vd	6	UKR/R US		J3E-1		Comments; no calls; Russian language S5
VERON	7122,0	vt	vd	6	RUS	UiPtr	F1B	250	S7
VERON	7150,0	1438	18	6		UiRadar	FMOP	30k	OTHR; 43sps
VERON	10108,0	0950	5	6	CIS	UiPTR	F1B		Revs/Ptr also: 12/6 12.29 UTC
VERON	10108,0	1406	18	6	RUS	RDL	F1A		RDL 63881 80444 K
VERON	10138,2	1356	20	6			NON		Unstable carrier; S3
VERON	10143,0	1053	5	6		UiPTR	F1B		Ptr
VERON	14008,0	0920	3	6	CIS	UiPTR	F1B		Carrier/Revs/Ptr also: 10/6 09.26 UTC 14/6 08.56 UTC, 28/6 12.16 UTC
VERON	14011,0	0926	26	6	CIS	UiCW	A1A		5BL ending: 584 rpt al K
VERON	14011,0	0930	26	6	CIS	PRKF	A1A		PRKF C K, QRV K
VERON	14011,0	0935	26	6	CIS	PRKF	A1A		PRKF 255 31 26 1220 255 = 606 = MMMMM 5BL
VERON	14011,0	0937	26	6	CIS	PRKF	A1A		BCA5 de PRKF K
VERON	14011,0	1150	26	6	CIS	UiCW	A1A		5F 21328 34862 83216 68863
VERON	14020,0	1426	18	6	PRK	UiMux	PSK	1k4	Burst mode; S5; spurious of 14164,0 ?
VERON	14108,0	0920	4	6	RUS	TUZR	A1A		XXX TUZR 98903



SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SHIFT	DETAILS
									ZYKOKILX 7439 (etc)
VERON	14108,0	1000	5	6	CIS	NISY	A1A		QYW2 de NISY QTC ZUD K
VERON	14108,0	1002	5	6	CIS	NISY	A1A		NISY 639 39 5 6 1246 639 = ZUD = 003 MMMMM 5BL
VERON	14108,0	1050	5	6	CIS	WEGI	A1A		XXX WEGI 89595 45572 KRAP3ATY 8010 9723 K
VERON	14108,0	0822	6	6	RUS	WEGI	A1A		XXX WEGI 39147 NAWIWANIE 7172 8626 SXEMOPONG 9369 4915 4106
VERON	14108,0	0826	6	6	RUS	WLHN	A1A		XXX WLHN 62077 14957 02879 OSTRONOSYJ 0562 8437
VERON	14108,0	0833	6	6	RUS	G5CX	A1A		XXX G5CX F2ET 23425 27205 STUKOBOK 5792 5515
VERON	14108,0	0837	6	6	RUS	KS9Y	A1A		M5BH DE KS9Y QTC K
VERON	14108,0	0842	6	6	RUS	KS9Y	A1A		NI5Y 870 47 6 1106 870 BT 288 BT MMMMM (5BL)
VERON	14108,0	1000	7	6	CIS	NISY	A1A		Calls to: QYW2 HNL9 M5BH TX5H BAOE
VERON	14108,0	1105	14	6	CIS	6YK5	A1A		Calls to: HKB1 7PVH 1X9I EFGR OMGX 1YBE
VERON	14108,0	1006	21	6	RUS	Q8BE	A1A		A8YG DE Q8BE proc
VERON	14108,0	1008	21	6	RUS	Q8BE	A1A		AJNE DE Q8BE proc
VERON	14108,0	1009	21	6	RUS	Q8BE	A1A		JIB7 DE Q8BE proc
VERON	14108,0	1010	21	6	RUS	Q8BE	A1A		M3MR DE Q8BE proc
VERON	14108,0	1011	21	6	RUS	Q8BE	A1A		B8CD DE Q8BE proc
VERON	14108,0	1012	21	6	RUS	Q8BE	A1A		FQ8K DE Q8BE proc
VERON	14108,0	1220	28	6	CIS	UiCW	A1A		5BL ending 780 AR
VERON	14108,0	1226	29	6	CIS	Q8BE	A1A		TECY de Q8BE 484 51 29 1504 484 = ZUC 986 = MMMMM 5BL ending 311
VERON	14116,0	0904	29	6	RUS	UiPtr	F1B	250	Ptr nr. Moscow
VERON	14116,0	0926	29	6		UiPTR	F1B		Ptr
VERON	14118,0	0935	8	6	CIS	UiCW	A1A		QTC 024 34 8 1230 024 = ZRK = 702 = XXVWP 5 BL
VERON	14118,0	0940	8	6	CIS	GFTI	A1A		GFTI 814 34 8 1233 814 = ZOL = 702 = 5BL
VERON	14118,0	0944	8	6	CIS	GFTI	A1A		GFTI 517 34 8 1238 517 = ZDW = 702 = DLUPZ 5BL
VERON	14118,0	0909	14	6	CIS	UiCW	A1A		J59C QTC AR (J59C possible CQ)
VERON	14118,0	0911	14	6	CIS	UiCW	A1A		QTC 938 34 14 1207 938 = ZTO = 306 = LCFKB 5BL
VERON	14118,0	1215	14	6	CIS	TPJ3	A1A		TPJ3 call
VERON	14118,0	0917	16	4	CIS	UiCW	A1A		QTC 577 34 14 1211 577 = ZKA = 306 = LRBSF 5BL
VERON	14118,0	0930	29	6	CIS	VJPG	A1A		VJPG 672 34 29 1223 672 = ZTZ = 987 = QDNZP 5BL
VERON	14118,0	0933	29	6	CIS	UiCW	A1A		P6PF QTC AR (P6PF possible CQ)
VERON	14118,0	0935	29	6	CIS	VJPG	A1A		VJPG 748 34 29 1227 748 = ZHY = 987 = 5BL
VERON	14118,0	0939	29	6	CIS	VJPG	A1A		MQCS de VJPG QTC K
VERON	14118,0	0941	29	6	CIS	VJPG	A1A		5BL ending 611 K
VERON	14164,0	1432	18	6	PRK	UiMux	PSK	1k4	Burst mode; S8
VERON	14192,0	0927	2	6	CIS	UiPTR	F1B		Revs/ Ptr
VERON	14192,0	1350	20	6	RUS	UiPtr	F1B	200	Rus navy Kaliningrad
VERON	14272,0	1100	19	6	RUS	UiMU X	PSK		12 MPSK
VERON	18123,0	1346	20	6			A1A		1 sec pulses; S4, QSB
VERON	18133,0	1344	20	6			A1A		1 sec pulses; S3, QSB; spurious of 18123,0 ?
VERON	21166,4	1428	22	6			NON	900	2 Carriers, separated 900Hz; S4
VERON	21249,0	1341	20	6	CYP	UiRadar	FMOP	20k	OTHR; 50sps; S8

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SHIFT	DETAILS
VERON	21438,0	0853	6	6	RUS	RCV	A1A		RBE86 DE RCV QTC NAWIP (etc)
VERON	21438,0	0900	6	6	RUS	RCV	A1A		RBE86 DE RCV QTC 661 29 4 1301 661 BT NAWIP 038 1008 KARTA 32300 ITALIA (etc)

# The monitoring team of IARU Region 1

credits:

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**All our friends and contributors worldwide!**

**Many thanks for your interest!**

**compiled and published by DK2OM - July 2018**