



# Monitoring System

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The monthly newsletter for Region 1

## June 2012

The 24 members of the IARUMS Region 1 Monitoring Team:



## Acknowledgements

++ ARI: DH7SA – Salvatore ++ ARSK: 5Z4NU - Ted ++ ASTRA: DL1BDF – Mustapha ++ DARC: DJ9KR – Uli ++  
++ ERASD: SU1SA – Sayed ++ IARC: 4Z1AB – Amos ++ IRTS: EI5DD - Steve ++ KARS: 9K2RR – Faisal ++  
++ MARL: 9H1M – Dominic ++ MRASZ: HA7PL - Laci ++ NARS: 5N9AYM – Yusuf ++ NRRL: LA4EU – Hans Arne ++  
++ OE3SV: OE3GSA – Gerd ++ PZK: SP3SUZ – Wladyslaw ++ RAL: OD5MV – Raja ++ REP: CT4AN – Jose ++  
++ RSGB: G4BOH - Chris ++ SARL: ZS1FCS - Fred ++ SRAL: OH2BLU - Pekka ++ UBA: ON4VJ - Johnny ++  
++ URE: EA5DY - Salvador ++ USKA: HB9CET - Peter ++ VERON: PA2GRU - Dick ++ ZRS: S56ZDB – Darko ++  
++ G3VZV – Graham (satellite) ++ TG9ADV – Jorge (Co-ordinator Region 2) ++ VK3MV – Peter (Co-ordinator Region 3) ++  
++ DF8FE – (Webmaster assis.) ++ DL8AAM (ALE) ++ DJ7KG (BUOYS) ++ DF5SX (BC) ++ DARC (server support) ++  
++ OD5TE (Hani) ++ VE6SH – Tim (IARU President) ++ PB2T – Hans (IARU R1 President) ++ 9A5W - Nikola (EC-IARU-R1  
++ PTTs: German (BNetzA), BAKOM (Switzerland), OFCOM (UK) ++ SK6AW – DX-Cluster ++

## Part 1: News and Infos

### 1. Changes in IARUMS Region 1

EI5GXB (Ger) left our Monitoring Team followed by EI5DD (Steve). 4Z1AB (Amos) is the new national MS coordinator of IARC (Israel). Our system has now 24 members! **Welcome to our team dear Steve and dear Amos!**

### 2. CODAR on 14070 – 14125 kHz – still on

At the end of June the Codar was still active from North-East India. The complaint by the German PTT (BNetzA) was not regarded.

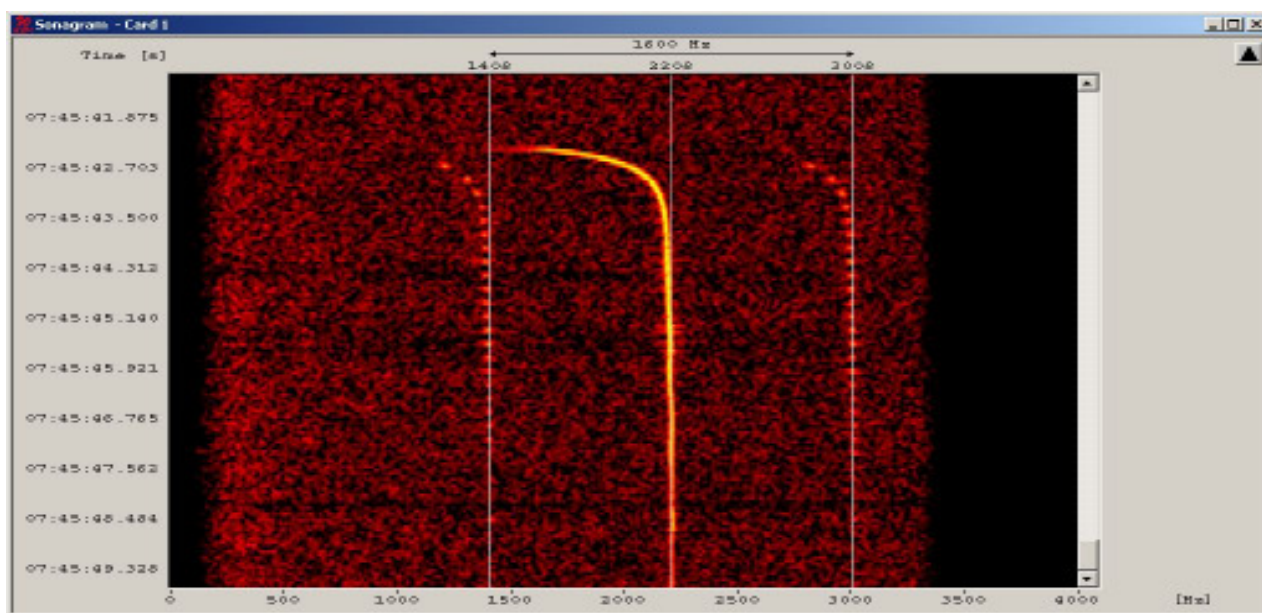
### 3. 14295.1 Harmonic from Radio Tajik – no end

The complaints of the German, Swiss and British PTTs were not observed. Guess, what I found: Harmonics from 4765 kHz (fundamental) were also strong audible on 19060.2 and 23825.2 kHz. Now I am looking for another harmonic on 28580 kHz.

### 4. Dots from Gabon (Central Africa)

I remarked strange signals on 28346.1 and 28250.2 kHz. The burst transmissions were in A3E, carriers with dots on both sidebands, no idents. Perhaps a new kind of fishery buoy? **Sonagram: DK2OM with Wavecom W61**

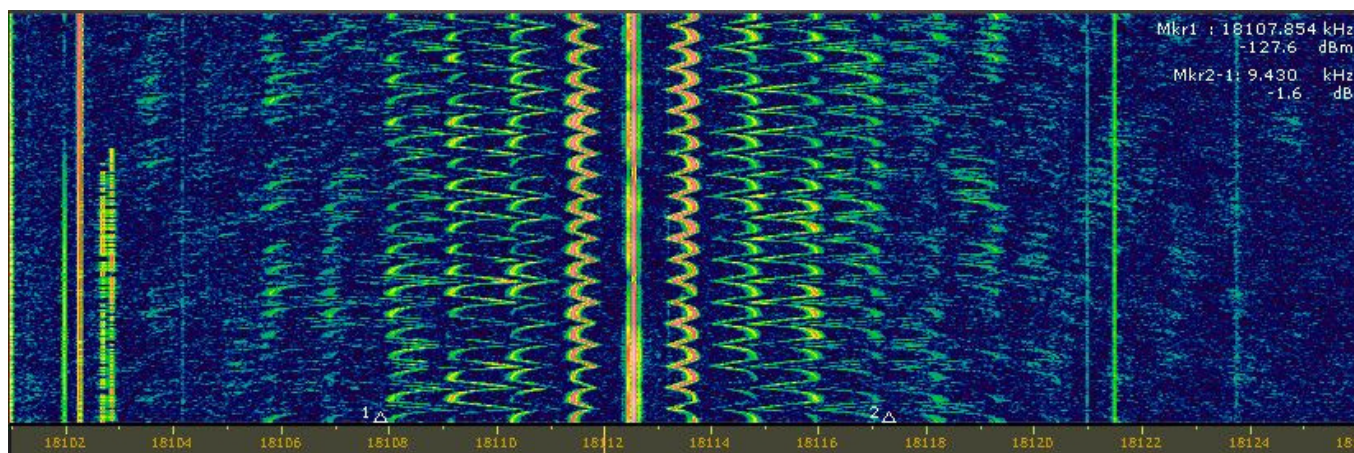
soundfile: <http://www.iarums-r1.org/iarums/sound/28345.wav> - recordings by DK2OM



### 5. Mysterious siren on 18112.5 kHz

HB9CET (Peter) found this signal on 18112.5 kHz one June 6<sup>th</sup>. It was a carrier and both sidebands modulated by siren sounding AF-signals. The location was Hanoi, Vietnam. The purpose is unknown.

Screenshot: DK2OM with Perseus --- soundfile: <http://www.iarums-r1.org/iarums/sound/18112a.wav>



### 6. Homepage IARU Region 1

Homepage IARUMS Region 1

Homepage IARUMS Region 2

Homepage IARUMS Region 3

Intruderlogger Region 1

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

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

<http://www.iaru-r2.org/>

<http://www.iaru-r3.org/ms/>

<http://peditio.net/intruder/bluechat.cgi>



## 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 \*\*\* **UiLL** = 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 \*\*\* **pps** = pulses per second (earlier radar systems) \*\*\* **sps** = sweeps/sec (radar systems) \*\*\* **FMCW** = frequency modulated continuous wave (OTH and coastal Radars)

### ARSK MONITORING OVERVIEW FOR JUNE 2012

Propagation was not good overall, and again nothing of particular interest was heard apart from the usual broadcast stations on 40 meters, Khartoum, Addis Ababa and Eritrea.

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

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#### ARSK – Kenya – 5Z4NU (Ted)

H'd by	kHz	UTC	dd	mm	ITU	Identity	Mode	Details
ARSK	7120.0	vt	10	6	ERI?	VOBM?	A3E	VOBM ?
ARSK	7175.0	vt	var	6	ERI?	UiBC	A3E	VoBM, Eritrea
ARSK	7190.0	vt	var	6	?	UiBC	A3E	Possibly VOBM or Addis Ababa.
ARSK	7200.0	vt	dly	6	SDN	Khartoum	A3E	Broadcast, Khartoum.

#### DARC 1 – Germany – DJ9KR (Uli) BC transmissions, IM products, harmonics = blue

CLUB	kHz	UTC	DD	MM	ITU	Call Sign	MODE	Remarks and Comments
DARC	7000,0	2014	06	06	F	UiLL	J3E-U	French male traffic, fishery , talking about "langoustines", engine noise
DARC	7000,0	1932	07	06		UiCAR	N0N	carrier, slightly unstable
DARC	7000,0	vt	09	06	INS	UiLL	J3E	Indonesian pirates, using SSB-USB and alternatively SSB-LSB, daily - heard at 1640, 1900
DARC	7000,0	1933	24	06	INS	UiLL	J3E-U	Indonesian pirate net, singing, chatting
DARC	7000,0	vt	vd	06	E	UiLL	J3E-U	Spanish fishery
DARC	7000,0	vt	vd	06	I	UiLL	J3E-U	Italian pirates, SSB-USB
DARC	7002,0	2223	27	06		UiLL	J3E-U	female voice
DARC	7008,0	0731	29	06	RUS	UiPTR	F1B	printer, RUS MIL Moscow
DARC	7009,0	vt	08	06	RUS	V.o.Russia	A3E	IM 1089 x 5920, heard 1950 - 2100, tx-er Krasnodar-Armavir Tbilisskaya
DARC	7009,0	2030	20	06	RUS	V.o.Russia	A3E	is IM 1089 x 5920, location Krasnodar-Armavir Tbilisskaya
DARC	7009,0	2007	28	06	RUS	Voice of Russia	A3E	is IM 1089 x 5920, location Krasnodar-Armavir Tbilisskaya
DARC	7016,0	vt	vd	06		UiPTR	F1B	unid printer
DARC	7018,0	vt	vd	06	RUS	REA4	F1B	printer, is RUS Air Force Moscow
DARC	7020,0	0056	11	06		UiBC	A3E	weak signal
DARC	7020,0	1807	16	06	F	UiLL	J3E-U	French male traffic, engine noise
DARC	7038,7	1800	06	06	UKR	beacon D	A1A	beacon "D" - Sevastopol, heard 0045, 1800
DARC	7038,8	vt	vd	06	RUS	beacon P	A1A	beacon "P" - Kaliningrad
DARC	7038,9	2231	27	06	RUS	beacon S	A1A	beacon "S" - Murmansk
DARC	7039,0	1901	07	06	RUS	beacon C	A1A	is beacon "C" - Moscow
DARC	7039,1	vt	vd	06	KGZ	beacon A	A1A	beacon "A" - Bishkek
DARC	7039,2	vt	vd	06	RUS	beacon F	A1A	beacon "F" - Vladyvostok
DARC	7039,3	vt	vd	06	RUS	beacon K	A1A	beacon "K" - Petropavlovsk
DARC	7039,4	2231	27	06	CZE	OK0EPB	A1A	time signal by a "radio beacon driven by pendulum" (see www.ok0epb.nagano.cz )
DARC	7039,4	vt	vd	06	RUS	beacon M	A1A	beacon "M" - Magadan

CLUB	kHz	UTC	DD	MM	ITU	Call Sign	MODE	Remarks and Comments
DARC	7041,8	vt	vd	06	RUS	beacon L	A1A	beacon "L" - St. Petersburg
DARC	7052,0	2225	27	06		UiMUX	FSK8	ALE heard
DARC	7054,0	0605	13	06	RUS	RUS Navy	F1B	printer - is RUS MIL Moscow
DARC	7054,0	2213	27	06	RUS	UiPTR	F1B	is RUS MIL Mosocw
DARC	7054,0	vt	vd	05	RUS	RUS Navy	F1B	RUS Navy Moscow daily heard at 1721 - 2330, 0056, fast reveals most of the time
DARC	7082,0	vt	28	06	RUS	RMW46	A1A	Cyrillic morse "AABCXY DE RMW46", is RUS Navy
DARC	7092,0	1155	17	06		UiPTR	F1B	unid printer - report DG0JBJ
DARC	7100,0	1535	vd	06	ETH	Govt. Jam	JAM	white noise jammer
DARC	7100,0	1535	vd	06	ERI	VOBME	A3E	under wn-jammer
DARC	7100,0	1743	vd	06	ERI	VOBME	A3E	Ar px S9, weak modulation, found // 7165
DARC	7102,0	vt	vd	06		UiPTR	F1B	unid printer heard all month at 1350 - 1800
DARC	7105,0	2156	13	06	TWN	Sound of Hope	A3E	under Chinese BC which is used as a jammer, 2135 - 2220
DARC	7105,0	2200	27	06	CHN	Soh Xi Wang Zhi Sheng	A3E	Chinese BC which is used as a jammer, 2200 - 2300
DARC	7105,0	2200	27	06	TWN	Sound of Hope	A3E	under Chinese BC which is used as a jammer, 2200 - 2300
DARC	7105,0	vt	28	06	TUN	RTV Tunisia	A3E	IM of 7225 and 7345, audible 1857 - 2108, location is Sfax - already heard July 2009
DARC	7110,0	0045	01	06	BRM	R.Myanmar	A3E	weak signal
DARC	7110,0	0015	vd	06	BRM	R.Myanmar	A3E	Asian mx
DARC	7110,0	1545	vd	06	ERI	VOBME	A3E	under heavy jam by ETH
DARC	7110,0	1545	vd	06	ETH	Govt. Jam	JAM	heavy white noise jam
DARC	7115,0	1630	vd	06	ERI	VOBME	A3E	is active
DARC	7115,0	1630	vd	06	ETH	Govt. Jam	JAM	white noise jammer on VOBME
DARC	7120,0	vt	18	06	ERI	VOBME	A3E	under white noise jammer, heard 1610 - 1701
DARC	7120,0	1628	20	06	ETH	Govt. Jam	JAM	white noise jammer on VOBME
DARC	7120,0	1628	20	06	ERI	VOBME	A3E	under white noise jammer of ETH Govt.
DARC	7160,0	1743	vd	06	ETH	Govt. Jam	JAM	heavy white noise jam
DARC	7160,0	1743	vd	06	ERI	VOBME	A3E	under heavy white noise jam
DARC	7165,0	1655	vd	06	ERI	VOBME	A3E	under heavy jam by ETH
DARC	7165,0	1655	vd	06	ETH	Govt. Jam	JAM	heavy jam by ETH
DARC	7165,0	1743	vd	06	ERI	VOBME	A3E	Ar px S9+20dB, found // 7100
DARC	7165,0	vt	vd	06	ERI	VOBME	A3E	seems to be main tx-ing frequency
DARC	7175,0	1540	12	06	ERI	VOBME	A3E	under wn-jammer 1540 - 1753
DARC	7175,0	1628	20	06	ETH	Govt. Jam	JAM	white noise jammer on VOBME
DARC	7175,0	1628	20	06	ERI	VOBME	A3E	under white noise jammer of ETH Govt.
DARC	7180,0	1540	vd	06	ERI	VOBME	A3E	under heavy wn jammer from ETH
DARC	7180,0	1540	vd	06	ETH	Govt. Jam	JAM	heavy wn jammer from ETH
DARC	7185,0	1431	vd	06	ETH	Govt. Jam	JAM	white noise jammer
DARC	7185,0	1431	vd	06	ERI	VOBME	A3E	covered by white noise jammer
DARC	7188,0	2231	27	06		UiILL	FSK8	ALE heard
DARC	7189,7	0055	01	06	CLN	SLBC Sri Lanka	A3E	S9+15dB, QSB
DARC	7189,7	0015	03	06	CLN	SLBC	A3E	measuring tone
DARC	7189,7	2213	27	06	CLN	SLBC	A3E	weak signal
DARC	7189,7	0215	vd	06	CLN	SLBC Sri Lanka	A3E	typical music 0015 - 0215
DARC	7189,7	vt	vd	06	CLN	SLBC Sri Lanka	A3E	heard 0020 - 0105
DARC	7190,0	1608	vd	06	ERI	VOBME	A3E	under heavy jam by ETH
DARC	7190,0	1608	vd	06	ETH	Govt. Jam	A3E	under heavy jam by ETH
DARC	7192,0	vt	vd	06		UiMUX	PSK2	AT-3004-D, heard all month at 1700 - 2130
DARC	7195,0	1440	vd	06	ERI	VOBME	A3E	jingle, found // to R.Ethiopia on the same QRG
DARC	7195,0	1545	vd	06	ETH	R.Ethiopia	A3E	jingle, found // to VOBME on the same QRG
DARC	7200,0	0332	03	06	SDN	R.Omdurman	A3E	Ar px, found // with Voice of Justice (IRIB), 0335, 1648

CLUB	kHz	UTC	DD	MM	ITU	Call Sign	MODE	Remarks and Comments
DARC	7200,0	0332	03	06	IRN	Voice of Justice (IRIB)	A3E	English px S9+30dB, found // with R.Omdurman
DARC	7200,0	1928	07	06		UiBC	A3E	unid BC
DARC	7200,0	2028	28	06	SDN	Radio Omdurman	A3E	Ar px
DARC	7200,0	1607	vd	06	ETH	R.Ethiopia	A3E	En px
DARC	7200,0	1607	vd	06	AFG	Ntl. Radio of Afghanistan	A3E	Indian music
DARC	7200,0	2112	vd	06	IRN	IRIB	A3E	Japanese px S9+25dB - 2058 - 2122
DARC	7205,0	2000	dly	06		UiBC	A3E	French px, splattering down till 7185 heavily
DARC	10101,0	1905	17	06	Af	UiILL	J3E-U	African Tribal language, 1900, 2000
DARC	10115,0	2145	14	06	E	UiILL	J3E-U	Spanish fishery
DARC	10120,0	0830	16	06	RUS	UiILL	J3E-U	figure spelling in Russian male voice
DARC	10121,0	vt	13	06	S.As	UiILL	J3E-U	male persons, S.As language
DARC	10121,5	2142	06	06	MRC	UiILL	J3E-U	Moroccan fishery
DARC	10125,0	vt	vd	06	POR	UiILL	J3E-U	2 male persons in Portuguese voice
DARC	10131,0	2113	13	06	MRC	UiILL	J3E-U	male net in Arabic
DARC	10133,0	1615	16	06	S.As	UiILL	J3E-U	2 male persons, S.As language
DARC	10135,0	vt	vd	06		UiILL	J3E-U	unid pirates, unid language
DARC	10135,6	vt	vd	06		UiILL	J3E-U	unid pirates heard 2000 - 2100 UTC
DARC	10150,0	1800	07	06		UiILL	J3E-U	unid male voices
DARC	10150,0	1849	17	06	MRC	UiILL	J3E-U	Moroccan fishery
DARC	10150,0	0731	29	06	E	UiILL	J3E-U	2 male persons in Spanish voice, S9-signal - USB is outside ham band
DARC	10150,0	1800	dly	06	E	UiILL	J3E-U	Spanish and Moroccan fishery
DARC	13980,0	vt	26	06		UiOTHR	FMCW	location either Cyprus or Turkey, is outside of ham band, just info - report DG0JBJ
DARC	14000,0	2011	16	06	B	UiILL	J3E-U	Brazilian pirates
DARC	14000,0	0619	21	06	GRC	UiILL	J3E-U	Greek male voices
DARC	14000,0	vt	dly	06	MRC	UiILL	J3E-U	Moroccan fishery
DARC	14000,0	vt	dly	06	INS	UiILL	J3E-U	Far East pirates, singing and fooling around, heard 1500, 1800
DARC	14000,0	1500	vd	06	INS	UiILL	J3E-U	Indonesian pirate net
DARC	14005,0	1900	dly	06	CLN	UiILL	J3E-U	Sinhala fishery
DARC	14008,0	vt	vd	06	RUS	UiPTR	F1B	fast reversals heard 0720 - 0835. location is Moscow
DARC	14024,0	0800	vd	06		UiPTR	F1B	unid printer S9+20dB
DARC	14028,0	0730	vd	06		UiPTR	F1B	unid printer 0730 - 0815 UTC
DARC	14044,0	vt	vd	06		UiPTR	F1B	unid printer
DARC	14050,0	vt	vd	06		UiPTR	F1B	unid printer
DARC	14075,0	vt	dly	06	IND	Sea Wave Radar	FMCW	heard 14075 - 14115 kHz at 1500 - 2030 UTC
DARC	14095,0	vt	dly	06	INS	UiILL	J3E-U	Indonesian pirate net, singing, chatting
DARC	14100,0	vt	dly	06	INS	UiILL	J3E-U	Indonesian pirate net, singing, chatting
DARC	14105,0	vt	dly	06	INS	UiILL	J3E-U	Indonesian pirate net, singing, chatting
DARC	14110,0	0801	28	06		UiMUX	FSK8	ALE heard
DARC	14192,0	0801	27	06	RUS	UiPTR	F1B	fast reversals - is RUS Navy Kaliningrad
DARC	14192,0	vt	dly	06	RUS	UiPTR	F1B	fast reversals 0730 - 1700
DARC	14211,0	1635	20	06	RUS	RDL	A1A	5F group traffic
DARC	14295,0	1605	vd	06	TJK	R.Tajikistan	A3E	harmonic, S8-signal, pulsating carrier
DARC	14295,1	0640	04	06	TJK	R.Tajikistan	A3E	pulsating carrier
DARC	14350,0	vt	vd	06	E	UiILL	J3E-U	Spanish fishery heard with phone patches
DARC	14385,0	vt	26	06		UiOTHR	FMCW	location either Cyprus or Turkey, is outside of ham band, just info - report DG0JBJ
DARC	21000,0	vt	21	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ
DARC	21000,0	1700	22	06	SDN	MFA Sudan	J3E-U	Ar male traffic, poss. MFA Sudan with Sudan Emba Yemen
DARC	21000,0	1700	22	06	YEM	Sudan Emba Yemen	J3E-U	Ar male traffic, poss. MFA Sudan with Sudan Emba Yemen
DARC	21000,0	vt	23	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ

CLUB	kHz	UTC	DD	MM	ITU	Call Sign	MODE	Remarks and Comments
DARC	21000,0	1105	29	06		UiILL	J3E-U	unknown traffic with vocoder, QTE 45 degs.
DARC	21000,0	vt	vd	06		UiOTHR	FMCW	74 reports all month concerning an Unid OTH-Radar in the range 21000 - 21440 kHz - report DG0JBJ
DARC	21001,0	vt	vd	06	CLN	UiILL	J3E-L	Sinhala fishery, SSB-LSB, QTE 100 degs.
DARC	21002,0	0935	22	06	F.Ea	UiILL	J3E-L	Far East pirates, INS?
DARC	21010,0	vt	26	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ
DARC	21012,0	1725	16	06	MRC	UiILL	J3E-U	Moroccan pirates
DARC	21030,0	vt	04	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ
DARC	21040,0	vt	21	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ
DARC	21050,0	vt	30	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ
DARC	21050,0	1612	16	06	RUS	UiILL	F3E	2 male persons talking Russian, later to 21075
DARC	21055,0	vt	13	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ
DARC	21070,0	vt	22	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ
	21075,0	1626	16	06	RUS	UiILL	F3E	2 male persons talking Russian, from 21050
DARC	21080,0	vt	04	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ
DARC	21090,0	vt	05	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ
DARC	21090,0	vt	18	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ
DARC	21100,0	vt	21	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ
DARC	21120,0	vt	21	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ
DARC	21125,0	vt	30	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ
DARC	21130,0	vt	13	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ
DARC	21140,0	vt	29	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ
DARC	21145,0	vt	18	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ
DARC	21145,0	vt	30	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ
DARC	21155,0	vt	22	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ
DARC	21170,0	vt	17	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ
DARC	21190,0	vt	08	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ
DARC	21190,0	vt	15	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ
DARC	21200,0	vt	23	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ
DARC	21210,0	vt	23	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ
DARC	21210,0	vt	30	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ
DARC	21225,0	vt	07	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ
DARC	21230,0	vt	10	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ
DARC	21250,0	vt	18	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ
DARC	21260,0	vt	14	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ
DARC	21265,0	vt	21	06		UiOTHR	FMCW	location either Cyprus or Turkey - report

CLUB	kHz	UTC	DD	MM	ITU	Call Sign	MODE	Remarks and Comments
								DG0JBJ
<b>DARC</b>	21270,0	vt	21	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ
<b>DARC</b>	21280,0	vt	23	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ
<b>DARC</b>	21300,0	vt	28	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ
<b>DARC</b>	21330,0	vt	10	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ
<b>DARC</b>	21340,0	vt	30	06		UiBC	A3E	divine Service, IM?, heard 1130 - 1132 s/off - DH9JK
<b>DARC</b>	21360,0	1233	30	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DJ9KR
<b>DARC</b>	21370,0	vt	10	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ
<b>DARC</b>	21375,0	vt	30	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ
<b>DARC</b>	21380,0	vt	23	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ
<b>DARC</b>	21390,0	vt	08	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ
<b>DARC</b>	21400,0	vt	29	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ
<b>DARC</b>	21410,0	vt	16	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ
<b>DARC</b>	21430,0	vt	30	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ
<b>DARC</b>	21440,0	vt	30	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ
<b>DARC</b>	21450,0	vt	30	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ
<b>DARC</b>	28000,0	vt	vd	06		Fishnet Buoy	A1A	DJ7KG, DK2OM, IK2GFT, N2NXZ and WJ5O have sent to DARC-MS 244 reports re. Fishnet Buoy in the range 28005 - 28457 kHz - pse hit <a href="http://www.iarums-r1.org/iarums/buoys.pdf">www.iarums-r1.org/iarums/buoys.pdf</a>
<b>DARC</b>	28000,0	vt	vd	06		Fishnet Buoy	A1A	SV1ATJ has sent 192 reports re. Fishnet Buoy in the range 28000 - 28452 kHz
<b>DARC</b>	28005,0	0844	03	06	E	UiILL	J3E-U	Spanish male person
<b>DARC</b>	28006,0	0900	03	06	E	UiILL	J3E-U	Spanish male person, engine noise
<b>DARC</b>	28025,0	1612	12	06	CIS	Taxi	F3E	female at base station, male in taxi = weaker
<b>DARC</b>	28045,0	1740	17	06	CIS	Taxi	F3E	female at base station, male in taxi = weaker
<b>DARC</b>	28055,0	1612	14	06	CIS	Taxi	F3E	female at base station, male in taxi = weaker
<b>DARC</b>	28095,0	1647	12	06	CIS	Taxi	F3E	female at base station, male in taxi = weaker
<b>DARC</b>	28100,0	vt	04	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ
<b>DARC</b>	28155,0	1734	27	06	CIS	Taxi	F3E	female at base station, male in taxi = weaker
<b>DARC</b>	28165,0	1612	12	06	CIS	Taxi	F3E	female at base station, male in taxi = weaker
<b>DARC</b>	28175,0	1735	17	06	CIS	Taxi	F3E	female at base station, male in taxi = weaker
<b>DARC</b>	28205,0	1736	17	06	CIS	Taxi	F3E	female at base station, male in taxi = weaker
<b>DARC</b>	28235,0	1736	17	06	CIS	Taxi	F3E	female at base station, male in taxi = weaker
<b>DARC</b>	28245,0	1738	17	06	CIS	Taxi	F3E	female at base station, male in taxi = weaker
<b>DARC</b>	28255,0	1738	17	06	CIS	Taxi	F3E	female at base station, male in taxi = weaker
<b>DARC</b>	28295,0	0940	03	06	E	UiILL	J3E-U	Spanish male person
<b>DARC</b>	28295,0	1749	17	06	CIS	Taxi	F3E	female at base station, male in taxi = weaker
<b>DARC</b>	28305,0	0935	03	06	E	UiILL	J3E-U	Spanish male person



CLUB	kHz	UTC	DD	MM	ITU	Call Sign	MODE	Remarks and Comments
DARC	28325,0	1613	12	06	CIS	Taxi	F3E	female at base station, male in taxi = weaker
DARC	28770,0	vt	16	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ
DARC	28800,0	vt	03	06		UiOTHR	FMCW	location either Cyprus or Turkey - report DG0JBJ
DARC	29025,0	1615	12	06	CIS	Taxi	F3E	female at base station, male in taxi = weaker
DARC	29055,0	1644	12	06	CIS	Taxi	F3E	female at base station, male in taxi = weaker

## DARC 2 – Germany - DK2OM (Wolf)

PSE observe:

FSK transmissions -> center frequency between mark and space

PSK transmissions -> center frequency

ALE (MIL188-141A) -> USB frequency – exclusive bands: black – shared bands: blue

voice traffic -> green

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

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DK2OM	1812,0	vt	vd	06	POL		A3E			Polish “PIP” – 10 tones – navigation system - North-Poland – Baltic coast - POL Navy – legal operation (ITU footnote)
DK2OM	1876,8	ady	dly	06	G		PSK8	2400	2400	Stanag4285 - 1200 bps long - Scotland
DK2OM	1881,4	ady	dly	06	F		QPSK	100	100	BC-PSK – Radio Navigation – Nantes - France
DK2OM	1896,5	ady	dly	06	D		PSK8	2400	2400	Stanag4285 - 600 bps long - German Navy
DK2OM	3500,0	vt	dly	06	TUR	no ITU	FSK8	125	1750	ALE, “2015” “2016” “1020” “3010”- Turkish Red Crescent - legal
DK2OM	3500,0	2040	07	06	E		USB			Spanish fishery with vocoder CRY2001
DK2OM	3503,5	vt	dly	06	G	no ITU	FSK8	125	1750	ALE – “XSS” “XPU” – British MIL Tascomm
DK2OM	3507,4	1926	11	06	CIS		A3E			CIS pirates in A3E (= AM)
DK2OM	3510,0	vt	dly	06	ALG	no ITU	FSK8	125	1750	ALE, “JE30” “PT30”
DK2OM	3515,0	1420	30	06	E		USB			Spanish fishery
DK2OM	3519,0	2150	22	06	G		USB			UK fishery
DK2OM	3527,0	1900	dly	06	RUS		F1B	50	200	Severomorsk - daily
DK2OM	3531,0	2139	17	06						frequency hopper
DK2OM	3532,0	2105	11	06	ALG	no ITU	FSK8	125	1750	ALE, “UN3” “VQ30”
DK2OM	3533,0	vt	dly	06	E	no ITU	FSK8	125	1750	ALE, “TYBBI” “TYVC1” “TCS” “TYVV1” - Spanish Guardia Civil
DK2OM	3535,0	1917	26	06	E		USB			Spanish fishery
DK2OM	3545,0	vt	dly	06	ALG	no ITU	FSK8	125	1750	ALE, “FL49” “FL57” “PT50” - ALG MIL + voice traffic USB and scrambler
DK2OM	3550,6	2034	06	06	ISR		PSK4	75	2240	MIL188-110A hybrid modem
DK2OM	3553,8	ady	dly	06	TUR		PSK8	2400	2400	Stanag4285 – TUR MIL - Ankara
DK2OM	3567,5	2142	08	06	CIS		PSK2	120	2600	AT3004D – traffic and submodem idle
DK2OM	3569,0	2048	13	06	RUS		F1B	50	200	St. Peterburg
DK2OM	3570,0	2020	10	06	EU		USB			Scandinavian male voices
DK2OM	3585,0	1700	dly	06	TWN	HLL	F1C			120 rpm, IOC 576, Wxfax - legal!
DK2OM	3587,0	vt	dly	06	E	no ITU	FSK8	125	1750	ALE, “TVV” “TXX” - Spanish Guardia Civil
DK2OM	3590,0	vt	dly	06	PAK	no ITU	FSK8	125	1750	ALE, “KW” “ZULFIQUARI” “KHAIBAR” “SAIF1” “NRS”-



DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
										Pakistan Navy
DK2OM	3595,0	vt	dly	06	D	no ITU	FSK8	125	1750	ALE, „ZLST“ „ZPRI“ „ZSHO“ „ZBOR“ „ZEMD“ „ZHEL“ „ZKNI“ „ZBOR“ „BPLEZS“ German customs – North-Germany
DK2OM	3595,0	1948	05	06	CIS		USB			man in RUS voice
DK2OM	3596,0	vt	dly	06	HRV	9A0ALE	FSK8	125	1750	Croatian emergency ALE-net --- for info!
DK2OM	3601,0	vt	vd	06	D	DA0EC	PSK8	2000	2000	RFSM 8000 – amateur emergency net - Berlin - legal operation - just for info!!!
DK2OM	3602,5	vt	dly	06	AUT	OE9XRK	PSK2/4	1800	1800	Pactor4 – Mailbox OE9XRK – just for info!
DK2OM	3603,0	vt	dly	06	ALG	no ITU	FSK8	125	1750	ALE, “PT01JL94” “JL05JL94”
DK2OM	3610,0	vt	dly	06	D		PSK8	200	500	German APRS Net in Robust Packet - just for info!
DK2OM	3617,0	vt	dly	06	HRV	9A5EX	FSK8	125	1750	ALE, “9A5EX1P” – HAM-ALE - just for info
DK2OM	3622,5	1800	dly	06	J	JMH	F1C			Tokyo Meteo – 120 rpm – IOC576 – daily, legal!!!
DK2OM	3626,0	vt	dly	06	HRV	9A5EX	FSK8	125	1750	ALE, “9A5EX” – just for info
DK2OM	3660,0	vt	dly	05	ALG		FSK8	125	1750	ALE, “UN20” XT20” - Algerian MIL
DK2OM	3751,5	vt	dly	06	POL		FSK8	125	1750	ALE, “LA7” “MI3”
DK2OM	3756,0	ady	dly	06	UKR		A3E			UKR – pip – 10 tones – navigation system
DK2OM	3761,5	vt	dly	06	POL	no ITU	FSK8	125	1750	ALE, “NI9” “AB2” – Polish military
DK2OM	3772,0	1913	02	06	RUS		F1B	50	200	Kaliningrad – also: 26.06.12 at 1940 utc
DK2OM	3782,0	ady	dly	06	POR	CTP	F1B	75	850	POR Navy headquarter Lisbon
DK2OM	7000,0	0809	16	06	E		USB			Spanish fishery (pescadores)
DK2OM	7000,0	ady	dly	06	INS		U/LSB			Indonesian pirates in USB and LSB
DK2OM	7000,0	0916	27	06			FMCW		20k	unid OTH Radar – 6 sps bursts – same as on 14000.0
DK2OM	7003,0	2205	16	06						frequency hopper
DK2OM	7005,0	0912	06	06	UKR		PSK2	120	2600	AT3004D – submode idle – Rivne - UKR
DK2OM	7005,0	1700	25	06	CHN		FMCW		33k	Chinese Coastal Radar – 2.6 sps – 7005 – 7038 kHz
DK2OM	7005,0	1425	30	06	INS		LSB			Indonesian pirates
DK2OM	7008,0	1838	20	06	RUS		F1B	75	250	Moscow
DK2OM	7009,0	2026	29	06	RUS	VOR	A3E			carrier + both sidebands, Voice of Russia IM product
DK2OM	7010,0	1653	19	06	RUS		PSK2	120	2600	AT3004D – NW of Smolensk
DK2OM	7036,0	1741	08	06	CHN		FMCW		32k	Chinese Coastal Radar – 2.6 sps – 7036 – 7068 kHz
DK2OM	7036,0	1714	22	06	RUS		PSK2	120	2600	AT3004D – Far East Russia – also: 27.06.12 at 1735 UTC
DK2OM	7038,7	ady	dly	06	UKR	D	A1A			Cluster beacon – Sevastopol RUS Navy – “RCV”
DK2OM	7038,8	ady	dly	06	RUS	P	A1A			Cluster beacon – St. Petersburg RUS Navy – “RJC66”
DK2OM	7038,9	ady	dly	06	RUS	S	A1A			Cluster beacon – Severomorsk RUS Navy – „RIT“
DK2OM	7039,0	ady	dly	06	RUS	C	A1A			Cluster beacon - Moscow RUS Navy - “RIW”
DK2OM	7039,1	vt	dly	06	KGZ	A	A1A			Cluster beacon – Bishkek RUS Navy – “RJH25”
DK2OM	7039,2	ady	dly	06	RUS	F	A1A			Cluster beacon - Vladivostok RUS Navy - “RJS”
DK2OM	7039,3	vt	dly	06	RUS	K	A1A			Cluster beacon - Petropavlovsk Kamchatskiy - RUS Navy - Pacific fleet - “RCC”
DK2OM	7039,4	1437	03	06	RUS	M	A1A			Cluster beacon – Magadan RUS Navy – „RTS“

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DK2OM	7040,0	vt	dly	06	F	F6BAZ	FSK8	125	1750	ALE, "F6BAZ" – just for info
DK2OM	7040,5	vt	dly	06	HRV	9A5EX	FSK8	125	1750	ALE, "9A5EX" - just for info!
DK2OM	7049,5	vt	dly	06	F	F4BXW1	FSK8	125	1750	ALE, "F4BXW1" - just for info!
DK2OM	7054,0	vt	dly	06	RUS		F1B	50	200	RUS Navy - Moscow
DK2OM	7065,0	vt	dly	06	HRV	9A5EX	FSK8	125	1750	ALE, "9A5EX" - just for info!
DK2OM	7076,0	0810	08	06	CIS		F1B	75	250	bad signal -
DK2OM	7083,0	1000	28	06						frequency hopper
DK2OM	7089,8	1620	08	06	TUR		PSK8	2400	2400	Link11 - SLEW – aircraft – Turkish coast – area of Anamur
DK2OM	7099,5	vt	dly	06	HRV	9A0ZG	FSK8	125	1750	ALE, "9A0ZG" - just for info
DK2OM	7102,0	vt	dly	06	HRV	9A3COL	FSK8	125	1750	ALE, "9A3COL" – just for info!
DK2OM	7102,0	1603	01	06	SUI		FSK8	125	1750	ALE, "HB9MHB" – just for info!
DK2OM	7110,0	1427	30	06	BRM		A3E			Radio Myanmar
DK2OM	7110,5	vt	dly	06	HRV	9A0ALE	FSK8	125	1750	ALE, amateur net, just for info!
DK2OM	7119,0	1958	28	06	RUS		PSK2	120	2600	AT3004D – Far East Russia
DK2OM	7123,0	0438	08	06	EU		PSK2	120	2600	AT3004D – ship, Baltic Sea
DK2OM	7124,0	0036	07	06	RUS		A1B			St. Peterburg
DK2OM	7124,0	vt	dly	06	RUS		A1B/D	123	250	vrey bad keying – harmonic from 3562 kHz - St. Peterburg
DK2OM	7125,0	1602	27	06	ship		PSK2	120	2600	AT3004D – Russian ship – Baltic Sea, north of Poland
DK2OM	7157,0	1949	28	06	CHN		FMCW		32k	Chinese Coastal Radar – 2.6 sps – 7157.0 – 7189.0 kHz
DK2OM	7180,0	vt	dly	06	MRC	no ITU	FSK8	125	1750	ALE, "9201" "6350" "RC1"
DK2OM	7185,5	vt	dly	06	F	F4BXW	FSK8	125	1750	ALE, "F4BXW" - just for info!
DK2OM	7190,0	1929	19	06	ship		PSK2	120	2600	AT3004D – Russian ship, Baltic Sea, north of Estonia
DK2OM	7200,0	2006	18	06	RUS		F1B	40.5	500	system Frost1 – area of Moscow – German PTT informed 20.06.12
DK2OM	10100,0	0806	03	06						frequency hopper
DK2OM	10101,2	2059	30	06	?		USB			pirates, unknown language
DK2OM	10106,0	vt	dly	06	ALG	no ITU	FSK8	125	1750	ALE, "OG100A" "OR200B" - Algerian MIL
DK2OM	10110,0	vt	vd	06	SNG		FSK8	125	1750	ALE, "CN6" "68" – Singapore Navy - Changi Naval Base with frigate "RSS Formidable"
DK2OM	10112,0	ady	dly	06	TUR		PSK8	2400	2400	Stanag4285 – 600 bps long – TUR MIL - Izmir
DK2OM	10114,8	065	19	06	RUS		F1B	100	1000	CIS14 – Penza - daily
DK2OM	10115,0	vt	dly	06		no ITU	FSK8	125	1750	ALE, "2001", "2011" "2005"
DK2OM	10118,0	1705	22	06	RUS		F1B	75	250	Moscow – also: 28.06.12 at 1650 utc
DK2OM	10120,0	vt	dly	06		no ITU	FSK2	125	1750	ALE, "8001" "9067"
DK2OM	10120,0	0913	01	06	RUS		PSK2	120	2600	AT3004D – Kazan, also: 21.06.12 at 1630 utc
DK2OM	10120,0	0915	01	06						frequency hopper
DK2OM	10120,0	2130	06	06		no ITU	FSK8	125	1750	ALE-LSB, "5001"
DK2OM	10130,0	vt	dly	06	USA		F1B	50	850	USA - Maine
DK2OM	10130,0	vt	vd	06			FSK8	125	1750	Thales 3000
DK2OM	10130,0	1631	21	06			FSK8	125	1750	ALE, "DL5" "084"
DK2OM	10131,0	1528	13	06	RUS		F1B	75	250	Kazan
DK2OM	10134,0	vt	dly	06	ALG	no ITU	FSK8	125	1750	ALE, "CM4" "COF" - Algerian Airforce
DK2OM	10136,5	vt	dly	06	F	F4BXW	FSK8	125	1750	ALE, "F4BXW" - just for info!
DK2OM	10142,5	vt	dly	06	HRV	9A5EX	FSK8	125	1750	ALE, "9A5EX" – just for info!
DK2OM	10145,5	vt	dly	06	HRV	9A5EX	FSK8	125	1750	ALE, 9A5EX, just for info!
DK2OM	10145,5	1702	22	06	SUI		FSK8	125	1750	ALE, "HB9MHB" – just for info!
DK2OM	10146,0	vt	dly	06	ALG		FSK8	125	1750	ALE, "ORG" "CM4" – ALG Airforce
DK2OM	10147,0	1950	26	06						frequency hopper
DK2OM	10150,0	vt	dly	06		no ITU	FSK8	125	1750	ALE, "CFA" "CTA"
DK2OM	14000,0	0930	25	06			FMCW		20k	unid OTH Radar – 6 sps bursts of 10.4 sec
DK2OM	14000,0	2135	27	06	I		USB			Italian pirates
DK2OM	14000,0	2055	30	06	MRC		USB			Moroccan fishery
DK2OM	14002,0	1641	27	06						frequency hopper

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DK2OM	14008,0	0736	06	06	RUS		F1B	50	250	Moscow - also: 13.06.12 at 0741 utc
DK2OM	14013,0	0804	07	06						frequency hopper
DK2OM	14024,0	2035	07	06						frequency hopper
DK2OM	14037,0	vt	dly	06	CHN ?	no ITU	FSK8	125	1750	ALE, "313" "132" "932"
DK2OM	14075,0	ady	dly	06	IND		FMCW		50k	Codar like Radar 14075 - 14125, 2 sps, North-East India
DK2OM	14087,0	0817	08	06						frequency hopper
DK2OM	14104,0	vt	dly	06	CHN		FSK8	125	1750	ALE, "A98" "L06"
DK2OM	14106,0	1820	23	06			FSK8	125	1750	ALE, "161"
DK2OM	14108,0	0713	26	06	RUS		A1A			"EKP" with "BNN1" - encrypted QTCs - RUS MIL Moscow
DK2OM	14109,0	vt	dly	06	F	F4BXW	FSK8	1250	1750	ALE, "F4BXW" - just for info
DK2OM	14109,0	0825	23	06	S	SM5RVH	FSK8	125	1750	ALE, "SM5RVH" - just for info!
DK2OM	14110,0	0806	07	06	RUS		F1B	75	250	Samara
DK2OM	14112,0	0844	31	06	RUS		PSK2	120	2600	AT3004D - area of Smolensk
DK2OM	14112,7	vt	dly	06	CHN		PSK8	2400	2400	bursts - MIL-188-110A variant
DK2OM	14116,0	0714	05	06	RUS		F1B	50	250	Moscow
DK2OM	14118,0	0944	07	06	RUS		PSK2	120	2600	AT3004D - Velikije Luki
DK2OM	14137,0	2034	14	06						frequency hopper
DK2OM	14162,0	0443	07	06	RUS		PSK2	120	2600	AT3004D - Moscow
DK2OM	14176,0	0817	24	06	CHN		FMCW		10k	OTH Radar China - 66.7 sps - 1.9 sec bursts - 10 kHz wide - jumping on 14196 and 14176 kHz
DK2OM	14192,0	vt	dly	06	RUS		F1B	50	500	RUS Navy Kaliningrad
DK2OM	14196,0	0816	24	06	CHN		FMCW		10k	OTH Radar China - 66.7 sps - 1.9 sec bursts - 10 kHz wide - jumping on 14196 and 14176 kHz
DK2OM	14221,0	2145	12	06	KGZ		F1B	50	200	idling - Bishkek - Kyrgyzstan
DK2OM	14223,5	0142	06	06	EGY		PSK4	16 x 75	1670	Codan9001 - MFA Cairo with diplo traffic
DK2OM	14232,0	1415	12	06	RUS		F1B	75	250	Penza
DK2OM	14247,0	vt	dly	06	E	no ITU	FSK8	125	1750	ALE, "151" "250"
DK2OM	14254,3	0920	17	06	RUS		F1B	50	200	Kaliningrad
DK2OM	14265,0	1603	07	06	CHN		FMCW		10k	OTH Radar China - 66.7 sps bursts of 2 sec length
DK2OM	14316,0	vt	dly	06	?	no ITU	FSK8	125	1750	ALE, "601" "611"
DK2OM	14318,5	0700	05	06	RUS		F1B	1200	1200	DPRK-FSK1200 - North Korean embassy Moscow with diplo traffic
DK2OM	14325,1	vt	vd	06	FEa	no ITU	FSK8	125	1750	ALE, "776" "699" "475"
DK2OM	14331,0	vt	dly	06			FSK8	125	1750	ALE, "417" "663"
DK2OM	14340,0	1104	24	06	RUS		PSK2	120	2600	AT3004D - submode idle and traffic - Chabarovsk
DK2OM	14341,0	vt	dly	06	I		FSK8	125	1750	ALE, "20" - area of Rome
DK2OM	14343,0	vt	dly	06	CHN	no ITU	FSK8	125	1750	ALE, "L06" "A98"
DK2OM	14344,7	ady	dly	06	CHN		PSK8	2400	2400	bursts - MIL-188-110A variant
DK2OM	14345,0	1603	07	06	CHN		FMCW		10k	OTH Radar China - 66.7 sps bursts of 2 sec length
DK2OM	14346,0	1402	24	06	SUI		FSK8	125	1750	ALE, "HB9MHB" - called by "NOCALSIGN" - just for info
DK2OM	14348,6	vt	dly	06	KRE		F1B	1200	1200	DPRK-FSK1200 - North Korea - 14348.565 kHz
DK2OM	14350,0	vt	27	06	TWN		FSK8	125	1750	ALE-LSB, "ABJECT, AFFECT, APPLEF" - Taiwanese Navy
DK2OM	18070,0	1440	13	06	CYP		FMCW		20k	OTH Radar Cyprus, 50 sps
DK2OM	18075,0	1648	07	06						frequency hopper
DK2OM	18080,3	0905	28	06	CLN		USB			Sinhala fishery
DK2OM	18083,0	0938	28	06						frequency hopper
DK2OM	18103,0	1454	11	06						frequency hopper
DK2OM	18107,0	vt	vd	06	RUS		F1B	50	200	RUS MIL Moscow - legal operation
DK2OM	18112,5	1436	06	06	VTN		A3E		2260	unid wobbler - carrier + LSB/USB - Hanoi
DK2OM	18149,5	0702	19	06	RUS		F1B	100	2000	harmonic from 9074.75 kHz -

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
										Kaliningrad
DK2OM	18160,0	0940	17	06	TUR		FMCW		20k	OTH Radar Ankara, 50 sps
DK2OM	19060,2	1916	18	06	TJK		A3E			4 <sup>th</sup> harmonic from Radio Tajik on 4765 – just for info!
DK2OM	21000,0	0800	25	06		no ITU	FSK8	125	1750	ALE, “ABC”
DK2OM	21000,0	1622	01	06			USB			arab. voice traffic
DK2OM	21000,0	2010	20	06		A10	USB			man calling “A10” in English voice – QTE: 220 degrees
DK2OM	21000,0	1430	03	06	SDN		USB			MFA Sudan trying to contact emba Yemen by whistles
DK2OM	21001,0	1833	01	06	AF		USB			pirates in French voice, NW Africa
DK2OM	21001,0	2010	20	06						frequency hopper
DK2OM	21004,4	0830	23	06			USB			Korean ships, 200 deg. from DL
DK2OM	21020,8	2145	13	06	FEa		USB			Far East piates
DK2OM	21030,0	2007	10	06						frequency hopper
DK2OM	21089,5	vt	dly	06	HRV	9A5EX	FSK8	125	1750	ALE, “9A5EX” - just for info!
DK2OM	21092,0	1557	04	06						frequency hopper
DK2OM	21096,0	vt	dly	06	POR	CT2GOY	FSK8	125	1750	ALE, “CT2GOY” – just for info
DK2OM	21096,0	vt	dly	06	INS	YD00XH	FSK8	125	1750	ALE, “YD00XH3” “YD00XH7” – just for info!
DK2OM	21100,0	1020	05	06	TUR		FMCW		20k	OTH Radar North West Turkey – 50 sps
DK2OM	21111,0	2050	15	06	B		USB			Brazilian pirates talking about Brazil – chatting longer than 2 hours
DK2OM	21116,0	vt	dly	06	HRV	9A0ST	FSK8	1250	1750	ALE, “9A0ST” “9A5EX” – just for info!
DK2OM	21127,5	0830	04	06	EGY		PSK4	16 x 75	1670	Codan9001 - MFA Cairo with diplo traffic
DK2OM	21138,5	1250	04	06	OMA		PSK2	8 x 62.5	1750	Clover2000 – idling – area of Maskat
DK2OM	21158,0	1753	20	06						frequency hopper
DK2OM	21160,0	1616	22	06	CYP		FMCW		20k	OTH Radar Cyprus, 50 sps
DK2OM	21190,0	0745	16	06	TUR		FMCW		20k	OTH Radar NW Turkey – 50 sps
DK2OM	21210,0	1415	30	06	TUR		FMCW		20k	OTH Radar NW Turkey – 50 sps
DK2OM	21230,0	1737	03	06	CYP		FMCW		20k	OTH Radar Cyprus, 50 sps
DK2OM	21250,0	0915	18	06	TUR		FMCW		20k	OTH Radar West Turkey – 50 sps
DK2OM	21277,0	1015	09	06	AUS		FMCW		10k	JORN - Australian burst OTHR with 27 sps
DK2OM	21277,0	0845	23	06	AUS		FMCW		14k	JORN - Australian burst OTHR with different sweep rates, searchlight operation
DK2OM	21300,0	1643	28	06	CYP		FMCW		20k	OTH Radar Cyprus, 50 sps
DK2OM	21330,0	vt	dly	06	CAN		FSK8	125	1750	ALE, “VE3OUV” - just for info
DK2OM	21400,0	vt	vd	06	RUS		F1B	50	2000	harmonic from 5350 – area of Jekaterinburg
DK2OM	21400,0	1739	03	06	CYP		FMCW		20k	OTH Radar Cyprus, 50 sps
DK2OM	21420,0	1113	15	06	CYP		FMCW		20k	OTH Radar Cyprus, 50 sps
DK2OM	21438,0	vt	dly	06	UKR	RCV	A1A			RIP90 de RCV - RUS Navy Sevastopol
DK2OM	21440,8	vt	dly	06	AFG		PSK8	2400	2400	Link11 - SLEW
DK2OM	21441,0	0802	16	06						frequency hopper
DK2OM	21445,0	1508	30	06	CYP		FMCW		20k	OTH Radar Cyprus, 50 sps
DK2OM	23825,2	1920	18	06	TJK		A3E			5 <sup>th</sup> harmonic from Radio Tajik on 4765 – just for info!
DK2OM	25000,0	ady	dly	06	FIN		A3E			time signal Helsinki – just for info – carrier on 25000 – dots on 25001 and 24999
DK2OM	28000,0	vt	dly	06	B		A3E			28000 – 28325 B razilian CBers
DK2OM	28000,0	0758	09	06						frequency hopper
DK2OM	28005,0	0915	29	06	E		A3E			Spanish CBers
DK2OM	28025,0	0729	12	06	CIS		F3E			CIS taxi
DK2OM	28025,0	2045	12	06	RUS		F3E			taxi, St. Peterburg
DK2OM	28055,5	0735	12	06	E		A3E			Spanish CBers
DK2OM	28065,0	0700	01	06	CIS		F3E			CIS taxi



DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DK2OM	28065,0	0824	28	06	E		A3E			Spanish CBers
DK2OM	28085,0	1016	26	06	E		A3E			Spanish CBers
DK2OM	28100,0	0900	02	06	E		F3E			Spanish CBers
DK2OM	28100,0	1945	12	06	B		USB			Brazilian CBers
DK2OM	28100,1	1008	26	06	POR		F1B	15	270	F1B – bursts – 3.2 sec
DK2OM	28100,4	ady	dly	06	POR		F1B	51	270	F1B – bursts – 3.2 sec
DK2OM	28100,8	ady	dly	06	POR		F1B	51	270	F1B – bursts – 3.2 sec
DK2OM	28102,1	ady	dly	06	POR		F1B	51	270	F1B – bursts – 3.2 sec
DK2OM	28102,9	ady	dly	06	POR		F1B	51	270	F1B – bursts – 3.2 sec
DK2OM	28125,0	0928	29	06	E		A3E			Spanish CB-net
DK2OM	28140,0	0811	09	06	RUS		FM			RUS taxi (daily)
DK2OM	28155,0	0740	12	06	I		A3E			Italian CBers
DK2OM	28165,0	0824	09	06	RUS		FM			RUS taxi
DK2OM	28170,0	1623	28	06	RUS		A3E			Russian CBers
DK2OM	28179,7	2000	02	06	ARG					bursts - similar to Packetradio
DK2OM	28185,2	0816	26	06	E		A3E			Spanish CBers
DK2OM	28200,0	0759	01	06	CIS		F3E			CIS taxi
DK2OM	28205,0	0818	01	06	CIS		F3E			CIS taxi
DK2OM	28205,0	0918	15	06	E		A3E			Spanish CBers
DK2OM	28205,0	0953	28	06	E		A3E			Spanish CBers
DK2OM	28210,0	1103	22	06	MEa		FMCW		20k	OTH Radar - 25 sps – only 5 minutes
DK2OM	28250,0	2014	08	06	I		USB			Italian CBers
DK2OM	28250,2	0733	20	06	GAB		A3E		1425	carrier and dots in USB and LSB, bursts every 60 sec – 28250.2 kHz carrier – Gabon – daily and all day
DK2OM	28255,0	1940	12	06	CAF		F3E			pirates – Central African Rep.
DK2OM	28255,0	1035	13	06	CIS		F3E			CIS taxi - daily
DK2OM	28257,0	1921	28	06						frequency hopper
DK2OM	28260,0	0752	01	06	CIS		F3E			CIS taxi
DK2OM	28285,0	0738	20	06	E		F3E			Spanish Cbers - daily
DK2OM	28288,0	1930	01	06	B		USB			Brazilian CBers
DK2OM	28346,1	0921	02	06	GAB		A3E		1425	carrier and dots in USB and LSB, bursts every 60 sec – 28345.83 kHz carrier – Gabon – daily and all day
DK2OM	28535,0	0811	01	06	CIS		F3E			CIS taxi
DK2OM	28880,0	0822	01	06	CIS		F3E			CIS taxi
DK2OM	29684,8	1120	14	06	I		serial			serial modem, Italian MIL Brescia
DK2OM	29699,8	1120	14	06	I		serial			serial modem, Italian MIL Brescia

### IRTS – Ireland – EI5DD (Steve)

### KARS – Kuwait – 9K2RR (Faisal)

### MRASZ – Hungary - HA7PL (Laci)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
MRASZ	7000,0	1948	6	6		Ui	LSB			
MRASZ	7000,0	1809	29	6		Ui	USB			
MRASZ	7005,0	1810	29	6		Ui	A3E			
MRASZ	7008,0	1236	17	6		Ui	F1B		250	
MRASZ	7008,0	1046	29	6		Ui	F1B		250	
MRASZ	7016,0	1240	17	6		Ui	F1B		250	
MRASZ	7016,0	1813	29	6		Ui	F1B		500	
MRASZ	7027,5	1650	18	6			A1A			slow, vvvv xxxxx vxvxx vvvvv
MRASZ	7038,7	1736	5	6	UKR	D	A1A			beacon "D"
MRASZ	7039,1	1611	13	6	KGZ	A	A1A			beacon "A"
MRASZ	7054,0	1740	5	6	RUS		F1B	50	200	

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
MRASZ	7054,0	1912	6	6	RUS		F1B	50	200	
MRASZ	7091,5	1235	17	6		Ui	F1B		250	
MRASZ	7093,0	1637	18	6		Ui	F1B		250	
MRASZ	7110,0	1740	5	6		UiBC	A3E			
MRASZ	7120,0	1746	19	6		UiBC	A3E			
MRASZ	7140,0	1813	8	6		UiBC	A3E			
MRASZ	7165,0	1639	17	6			J9D			
MRASZ	7165,0	1706	25	6		UiBC	A3E			
MRASZ	7170,0	1740	5	6		UiBC	A3E			
MRASZ	7170,0	1614	13	6		UiBC	A3E			
MRASZ	7175,0	1744	19	6		UiBC	A3E			
MRASZ	7175,0	1707	25	6		UiBC	A3E			
MRASZ	7180,0	1655	18	6		UiBC	A3E			
MRASZ	7183,9	1243	17	6		Ui	F1B		500	idling
MRASZ	7192,4	1249	17	6			A1A			QSY =
MRASZ	7193,3	1247	17	6			A1A			vvv vvv test test
MRASZ	7195,0	1640	18	6		UiBC	A3E			
MRASZ	7200,0	1641	18	6		Ui	F1B		500	
MRASZ	7200,0	1742	19	6		Ui	F1B		500	
MRASZ	7200,0	1707	25	6		Ui	A3E			
MRASZ	14195,8	1932	25	6			A1A			dotter
MRASZ	21215,0	1553	15	6		CHN	USB			2 male person
MRASZ	21215,0	1518	15	6		CHN	FSK8	1200		hybrid modem, mil.system
MRASZ	21215,0	1554	15	6		CHN	FSK8	1200		Till 1610 UT

### OEVSV – Austria – OE3GSA (Gerd)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
oevsv	14008	0733	07	06			F1B			RTTY
oevsv	14220	0630	18	06			F1B		200	RTTY
oevsv	18090	0550	10	06						OTHR
oevsv	21020	0535	02	06			F1B			RTTY

### PZK – Poland – SP3UZ (Wladyslaw)

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

SOC	KHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
REP	3500	22.30	02	06		?	Pulses			1 bps chirps
REP	3500	21.20	03	06	I		A3E			Pirates
REP	3505	19.12	07	06	E		J3E-U			Fishermen on sea <b>25uV S8</b>
REP	3505	21.45	07	06		?	J3E-U			Russian voices
REP	3510	22.10	07	06	I		J3E-L			Pirate transmission on USB
REP	3522	07.14	18	06		ni	Pulse			
REP	3535	09.29	15	06	E		J3R-U			Fishermen
REP	3535	06.17	18	06	E		J3E-L			Spanish fishery at sea
REP	3575	19.44	21	06	E		J3E-U			Spanish fishery
REP	3595	23.00	07	06		D	A1A			<b>6.3uV S6</b>
REP	3620	07.25	28	06		ni	J3E-U			Arabic
REP	3625	07.12	25	06	E POR		J3E-U			Spanish and Portuguese fishermen
REP	3635	22.55	09	06		ni	J3E-U			Arabic language
REP	3635	07.03	22	06	E		J3E-U			Spanish fishermen (Huelva)
REP	7000	18.00	13	06		V	A1A			Marker
REP	7002,5	02.16	11	06		?	J3E-L			Magreb talkings <b>0.78uV S3</b>
REP	7005	22.54	19	06		ni	J3E-L			Arab talking <b>3.1uV S5</b>
REP	7015	22.39	19	06		ni	J3E-L			Arabic language <b>6.3uV S6</b>
REP	7015	21.55	19	06	E		J3E-U			Spanish fishermen talking with families
REP	7030	18.58	20	06	E		J3E-L			Spanish fishers from Huelva
REP	7030	19.08	20	06	E		J3E-U			Fishermen (sea / harbour)
REP	7030,5	20.30	20	06		ni	F1B	75	250	

SOC	KHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
REP	7038,6	07.05	12	06	RUS	S	A1A			MURMANSK, ADY, DLY 6.3uV S6
REP	7038,7	23.12	30	06	UKR	D	A1A			SEVASTOPOL 12.5uV S7
REP	7039,0	07.16	12	06	RUS	C	A1A			MOSCOW, ADY, DLY 6.3uV S6
REP	7039,1	19.41	14	06	RUS	A	A1A			VOLGOGRAD, ADY, DLY 6.3uV S6
REP	7055	21.41	13	06		ni	J3E-U			Arabic language 1.6uV S4
REP	7105,0	22.20	24	06	CHN		8k00 A3EGN			Chinese lang Broadcasting 25uV S8
REP	10110	19.00	01	06		ni	J3E-U			Malaysia fishers male voices ?
REP	10115	22.20	01	06	MLA		J3E-U			Malaysian fishers 6.3uV S6
REP	10135	14.21	22	06		?	F1B	200	170	Not a standard
REP	14015	07.33	28	06	E		J3E-U			Spanish fishery
REP	14100	07.04	28	06	E		J3E-U			Fishermen
REP	14100	19.06	03	06		ni	J3E-U			English - Phone Patch
REP	28015	09.01	17	06	RUS		F3E			Taxis Moscou
REP	28055	09.14	17	06	RUS		F3E			Taxis
REP	28060	22.30	03	06	F	?	A3E			CB's
REP	28075	20.22	17	06	F	?	A3E			CB's
REP	28125	15.30	06	06	RUS		F3E			Taxis
REP	28145	15.10	06	06	RUS		F3E			Taxis
REP	28160	14.25	06	06	HRV	?	F3E			Radio-Taxis
REP	28345	15.09	10	06	I		A3E			Talks – females (CBs ?)
REP	28378	15.52	10	06	RUS	?	F3E			Russian

### RSGB - Great Britain – G4BOH (Chris)

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS
RSGB	14295	24H	DLY	04	TJK	Radio Tajik.	A3	Baldock sent service message. No response so Appendix 10 notice sent.

### SRAL – Finland – OH2BLU (Pekka)

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	BAUD	SHIFT	REMARKS
SRAL	6999,0	0815	16	6		UiMUX	J7D	12x120	12x200	
SRAL	7004,5	0800-1330	4, 6	6		UiMUX	J7D	12x120	12x200	
SRAL	7005,0	0815	16	6		UiMUX	J7D	12x120	12x200	
SRAL	7007,0	1015	3	6		UiPTR	F1B			
SRAL	7008,0	0600-1930	15-29	6		UiPTR	F1B		250/500	
SRAL	7010,0	0030-1930	*	6		UiMUX	J7D	12x120	12x200	Days: 5, 19, 20, 25
SRAL	7011,0	1520-1600	21	6		UiVox	J3E-u			Russian 5F
SRAL	7016,0	0500-1200	7,17, 23	6		UiPTR	F1B		250	
SRAL	7018,75	0330-1905/	1-21	6		UiPTR	F1B/A		250	N0 on 7018,625, MR 5BL
SRAL	7023,0	0345-1520	20, 21	6		UiMUX	J7D	12x120	12x200	
SRAL	7026,0	0800-0830	16	6		UiMUX	J7D	12x120	12x200	
SRAL	7034,0	1525	22	6	RUS	UiPTR	F1B			
SRAL	7036,0	1800-1900	9, 27	6	RUS	UiMUX	J7D	12x120	12x200	
SRAL	7038,7	h24	dly	6	UKR	D	A1A			Sevastopol
SRAL	7038,9	h24	dly	6	RUS	S	A1A			Severomorsk
SRAL	7039,0	h24	*	6	RUS	C	A1A			Moscow, days: 2, 3, 22, 28, 30
SRAL	7039,2	0700-1900	*	6	RUS	L	A1A			St Peterburg, days: 4, 16, 28, 30
SRAL	7040,0	1100	2	6		UiPTR	F1B			
SRAL	7049,0	0635	19	6		UiMUX	J7D	12x120	12x200	
SRAL	7054,0	1700-0700	dly	6	RUS	REA4	F1B		200	Moscow

Society	KHz	UTC	DD	MM	ITU	IDENT	MODE	BAUD	SHIFT	REMARKS
SRAL	7058,0	0655	29	6		UiPTR	F1B			
SRAL	7076,0	0540-0830	7	6		UiPTR	F1B		250	
SRAL	7078,0	1245-1930	18	6		UiMUX	J7D	12x120	12x200	
SRAL	7091,5	1045-1630	*	6		UiPTR	F1B		250	Days: 4, 14 -18, 23, 25, 30
SRAL	7098,0	1115-1430	5, 14	6	RUS	UiPTR	F1B		250	
SRAL	7108,0	0430	27	6	RUS	RCV	A1A			procedures
SRAL	7112,0	0600-0830	7	6		UiMUX	J7D	12x120	12x200	
SRAL	7113,0	1030-1115	19	6		UiMUX	J7D	12x120	12x200	
SRAL	7120,0	0300-0430	dly	6	ERI	VoBME	A3E			jammed by ETH, QSY 7100 - 7130 kHz
SRAL	7120,0	1500-1800	dly	6	ERI	VoBME	A3E			QSY 7100 – 7130 kHz, jammed by ETH until 1700,
SRAL	7122,0	1150	3	6	RUS	UiPTR	F1B			
SRAL	7125,0	0430-0730	15	6		UiMUX	J7D	12x120	12x200	N0 on 7123,0 kHz
SRAL	7149,0	0535-0620	20	6	RUS	UiCW	A1A			5BL
SRAL	7160,0	1515	16	6		UiMUX	J7D	12x120	12x200	N0 on 7123,0 kHz
SRAL	7166,0	1850	30	6	RUS	9	A1A			PVO, time-stamp
SRAL	7169,0	0700-1915	*	6	RUS	UiPTR	F1B		200/250	Days: 4, 8, 9, 15, 18, 22, 30
SRAL	7169,5	1015-1920	18	6		UiMUX	J7D	12x120	12x200	
SRAL	7171,0	0645	15	6		UiMUX	J7D	12x120	12x200	
SRAL	7172,0	1120	18	6	RUS	UiCW	A1A			5BL
SRAL	7175,0	0300-0500	dly	6	ERI	VoBME	A3E			jammed by ETH, QSY 7160 – 7190 kHz
SRAL	7175,0	1430-1800	dly	6	ERI	VoBME	A3E			QSY 7160 –7190 kHz, jammed by ETH until 1700,
SRAL	7176,0	0630	23	6	RUS	UiPTR	F1B			
SRAL	7181,0	1300-1430	5, 25	6	RUS	UiPTR	F1B			
SRAL	7190,0	0630-1930	*	6	RUS	UiMUX	J7D	12x120	12x200	Ship. Days: 15, 19, 23, 28
SRAL	7195,0	1500-1630	22	6		UiBC	A3E			
SRAL	7200,0	0230-0600	dly	6	SDN	R Sudan	A3E			
SRAL	7200,0	1430-2000	dly	6	SDN	R Sudan	A3E			
SRAL	7200,0	h24	18 – 21	6		UiPTR	F1B		500	
SRAL	14000,0	1920	9	6		UiOTHR	P0N			20 kHz/ 50 Hz
SRAL	14008,0	0655-0705	4, 13	6		UiPTR	F1B		250	
SRAL	14050,0	0355-1055	1	6		UiPTR	F1B		200	
SRAL	14052,0	0735	15	6		UiMUX	J7D	12x120	12x200	
SRAL	14064,0	0750	5	6		UiPTR	F1B		250	
SRAL	14084,0	0855-1150	15	6		UiPTR	F1B		200	
SRAL	14086,0	0735	15	6		UiMUX	J7D	12x120	12x200	
SRAL	14108,0	0630-1145	*	6		DNTK, A3KS	A1A			Days: 7, 8, 11, 15, 18
SRAL	14116,0	0445-0750	5, 9	6		UiPTR	F1B		250	
SRAL	14118,0	0825-1150	7	6		UiMUX	J7D	12x120	12x200	
SRAL	14192,0	0530-1900	9- 30	6		UiPTR	F1B		200/500	



Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	BAUD	SHIFT	REMARKS
SRAL	14221,0	0130	10	6		UiPTR	F1B			
SRAL	14222,0	1220-1305	30	6		UiMUX	J7D	12x120	12x200	
SRAL	14232,0	1150-1315	12	6		UiPTR	F1B		250	
SRAL	14295,1	H24	dly	6	TJK	R Tojikiston	A3E			3f 4765,05 kHz, Yangiyul TX
SRAL	14340,0	1850-1915	24	6		UiMUX	J7D	12x120	12x200	
SRAL	18060,0	-1355/	11	6		UiOTHR	P0N			20 kHz/ 50 Hz
SRAL	18090,0	1255-1315/	28	6		UiOTHR	P0N			20 kHz/ 50 Hz
SRAL	18170,0	1425	11	6		UiOTHR	P0N			20 kHz/ 50 Hz
SRAL	21000,0	0745-0805	4	6		UiOTHR	P0N			
SRAL	21000,0	0815-0820/	23	6		UiOTHR	P0N			
SRAL	21155,0	1610	22	6		UiOTHR	P0N			
SRAL	21340,0	1110	30	6		UiBC	A3E			English
SRAL	21370,0	1235	30	6		UiOTHR	P0N			
SRAL	21410,0	0445-0507/	9	6		UiOTHR	P0N			
SRAL	28005,0	0705-0846/	13	6		UiPTR	F1B		3000	Sitor-like
SRAL	28 MHz	0745-1030	4, 16	6	CIS	UiVOX	F3E			19 reports

## USKA – Switzerland – HB9CET (Peter)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH (BW)	DETAILS
USKA	7008.0	2054	29	06			F1B	75	250	
USKA	7038.7	2027	01	06	UKR	D	A1A			Beacon D Sevastopol daily
USKA	7038.9	0958	01	06	RUS	S	A1A			Beacon S Murmansk daily
USKA	7039.4	0941	01	06	RUS	M	A1A			Beacon M Magadan daily
USKA	7054.0	2029	01	06			F1B	50	200	daily
USKA	7070.0	0137	05	06		571	MFSK8	125	1750	MIL 188-141A often
USKA	7070.0	0140	05	06		244	MFSK8	125	1750	MIL 188-141A daily
USKA	7075.875	0755	07	06	D		A1			illegal jammer
USKA	7076.0	0754	05	06			F1B	75	250	
USKA	7091.375	0850	05	06	D		A1			illegal jammer
USKA	7091.5	0851	05	06			F1B	40.5	250	
USKA	7105.0	2206	03	06		TWN	A3E			BC (2 stations) daily
USKA	7105.0	2206	03	06		CHN	A3E			BC (2 stations) daily
USKA	7105.0	2134	12	06			FMCW	66 sps	10 kHz	OTHR, Bursts 1.85s, every 28s
USKA	7110.0	1633	11	06			A3E			BC, jammed often
USKA	7110.0	1633	11	06			Noise		10 kHz	Jammer often
USKA	7124.0	2107	12	06			unid		~600	curious signal (all around Europe)
USKA	7150.0	1631	15	06			A3E			BC, jammed often
USKA	7150.0	1631	15	06			Noise		10 kHz	Jammer often
USKA	7175.0	1715	03	06			A3E			BC often
USKA	7175.0	1636	11	06			Noise		10 kHz	Jammer often
USKA	7180.0	1636	11	06			A3E			BC, jammed often-
USKA	7185.0	1639	15	06			A3E			BC often
USKA	7190.0	1639	15	06			A3E			BC often
USKA	7200.0	1954	07	06			A3E			BC, splattering down ~5 KHz
USKA	7200.0	1202	19	06			F1B	40.5	500	
USKA	10150.0	1640	11	06			FMCW	50 sps	20 kHz	OTHR
USKA	14052.0	0758	15	06			J7D	12x120	2k6	PSK-2: CIS12 = AT3004D
USKA	14086.0	0753	15	06			J7D	12x120	2k6	PSK-2: CIS12 = AT3004D
USKA	14088.0	0948	13	06			J7D	12x120	2k6	PSK-2: CIS12 = AT3004D
USKA	14202.0	2312	04	06			F1B	75	500	often
USKA	14220.0	2206	25	06			FMCW	40sps / 66sps	10	changing sweep rate, Bursts: BD 6s, BRI 24s
USKA	14221.0	2123	08	06			F1B	50	200	often
USKA	14221.0	2213	25	06			F1B	40.5	200	
USKA	14242.0	0906	05	06			J7D	12x120	2k6	PSK-2: CIS12 = AT3004D
USKA	14340.0	2321	08	06			FMCW	43.5 sps	10 kHz	OTHR, Burst system (23ms)
USKA	14344.7	2123	08	06			PSK-8	2400	2k4	MIL 188-110A Hybrid mod.

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH (BW)	DETAILS
USKA	14344.7	2220	16	06			PSK-8	2400	2k4	MIL 188-110A Hybrid mod.
USKA	14345.0	2205	06	06			FMCW	66 sps	10 kHz	OTHR; Burst system often BD 3.75s BRI 40s
USKA	18070.0	0940	03	06			FMCW	50 sps	20 kHz	OTHR
USKA	18175.0	1625	02	06			FMCW	50 sps	20 kHz	OTHR, splattering into 17m band
USKA	21400.0	1718	03	06			FMCW	50 sps	20 kHz	OTHR
USKA	21415.0	1721	03	06			FMCW	50 sps	20 kHz	OTHR

## Veron 1 – Netherlands – PA2GRU (Dick)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SHIFT	DETAILS
VERON	3772,0	19.59	23	6		UiPtr	F1B	200	Bad signal; unstable carrier
VERON	7005,0	18.44	23	6	?	UiCW	A1A		5BL. Ends: =K
VERON	7005,0	17.09	24	6	RUS	RGT77	A1A		RGT77 259 = (5BL) = K
VERON	7005,0	18.44	29	6	RUS	RGT77	A1A		RGT77 733 = (5BL) = K
VERON	7005,0	17.09	30	6	RUS	RGT77	A1A		RGT88 544 = (5BL) = K
VERON	7038,7	20.30	1	6	UKR	D	A1A		D-beacon
VERON	7038,9	19.03	9	6	RUS	S	A1A		Beacon Murmansk
VERON	7039,0	20.30	1	6	RUS	C	A1A		C-beacon
VERON	7039,3	20.30	1	6	RUS	L	A1A		L-beacon
VERON	7054,0	05.38	1	6	RUS	UiPtr	F1B	200	revs, ptr. Stops at 07.00 UTC
VERON	7054,0	06.55	14	6	RUS	UiPtr	F1B	200	ptr, revs. Stops at 07.00 UTC
VERON	7054,0	19.02	9	6	RUS	UiPtr	F1B	200	
VERON	7054,0	17.35	23	6	RUS	UiPtr	F1B	200	Bad filtered signal
VERON	7056,0	14.57	8	6					Frequency hopper
VERON	7112,0	21.31	23	6					Frequency hopper
VERON	7175,0	19.39	9	6		UiCar			Strong persistent carrier
VERON	7181,0	13.20	5	6	?	?	F1B	200	very slow revs
VERON	10103,0	18.40	12	6		UiCAR	NON		carrier S9+++
VERON	14000,5	18.37	16	6	ISR?	UiCAR	NON		S 9
VERON	14008,0	09.38	6	6	RUS	UiPtr	F1B	200	Ptr
VERON	14008,0	09.51	13	6	RUS	UiPtr	F1B	200	Ptr, 09.52 QRT
VERON	14024,0	18.00	26	6	?	UiPtr	F1B	500	ptr. (QTE NorthEast)
VERON	14092,0	07.50	19	6		UiPtr	F1B	200	Ptr
VERON	14116,5	14.20	7	6		UiMux	PSK8	2k4	
VERON	14120,0	14.22	7	6					Frequency hopper
VERON	14191,9	10.05	24	6	RUS	UiPtr	F1B	500	
VERON	14192,0	07.28	30	6	?	UiPtr	F1B	500	revs
VERON	14192,0	14.34	9	6	RUS	UiPtr	F1B	500	
VERON	14211,0	12.20	18	6	?	UiPtr	F1B	250	ptr, revs
VERON	14211,0	15.20	19	6	?	UiPtr	F1B	250	ptr, revs
VERON	14242,0	08.46	5	6	RUS	UiMUX	FSK		12 MPSK
VERON	14262,0	07.23	4	6	CIS	9RPN	A1A		4F 1239 3967 xxx xxx 7463 4704 etc
VERON	14335,0	10.15	24	6		UiRadar	FMCW		Codar like; 2sps; weak signal
VERON	14350,0	08.00	23	6	Asia	UiILL	J3e-U		Asian language, male voices
VERON	18070,0	10.00	20	6		OTHR	FMCW		radar, 18060-18080 KHz
VERON	18079,0	10.15	10	6		UiRadar	FMCW	30k	50pps
VERON	18165,0	23.00	9	6					Frequency hopper
VERON	18172,0	13.32	6	6		UiRadar	FMCW	30k	50pps; harmful in upper 17M band
VERON	21010,0	07.49	26	6		OTHR	FMCW		radar, 07.50 utc QRT
VERON	21028,0	09.36	17	6		OTHR	FMCW		
VERON	21101,0	19.16	15	6	E	UiILL	J3e-U		Spanish, male voices
VERON	21122,0	13.58	7	6					Frequency hopper

# **The monitoring team of IARU Region 1**

**Many thanks for your interest!**

## **credits:**

**Wavecom Elektronik – Buelach – Switzerland**

**SSB-Electronic – Iserlohn – Germany**

**BAZ – Special Antennas – Bad Bergzabern - Germany**

**FTS – Funktechnik Seipelt – Hoppegarten - Germany**

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