International Amateur Radio Union

Region 1

Monitoring System

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The monthly newsletter for Region 1

June 2014

The 27 members of the IARUMS Region 1 Monitoring Team:

Acknowledgements

ARI: DH7SA – Salvatore ++ ARSK: 5Z4NU - Ted ++ ASTRA: DL1BDF – Mustapha ++ DARC: DK2OM – Wolf ++ ERASD: SU1SA – Sayed ++ IARC: 4Z1AB – Amos ++ IRTS: EI9GSB - Lisa ++ KARS: 9K2RR – Faisal ++ MARL: 9H1M – Dominic ++ MRASZ: HA7PL - Laci ++ NARS: 5N9AYM – Yusuf ++ NRRL: LA4EU – Hans Arne ++ OEVSV: OE3GSA – Gerd ++ PZK: SP9BRP – Jan ++ RAL: OD5RI – Riri ++ REF: F5MIU – Francis ++ REP: CT4AN – Jose ROARS: A41MA - Younis ++ RSGB: M0VRR - Vaughan ++ SARL: ZS4GJA - Gideon ++ SRAL: OH2BLU - Pekka ++ SSA – Ullmar ++ UBA: ON4PN - Patrick URE: EB1TR - Fabian ++ 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 (Swiss), OFCOM (UK) ++ Dutch AT ++ SK6AW – DX-Cluster ++ YO9RIJ – Petrica

Part 1: News and infos
Part 2: Detailed reports of the national co-ordinators

Part 1: News and Infos

1. PY1ZX – Flavio – reports:

Hello,

IARU/MS in Brazil opens new period (all june and july) to receive informations online about pirate stations received or located in Brazil.
We are also looking for reports came from foreigner listeners, particularly interested on informations covering Brazilian intruders on 10 and 12 meters.
A new meeting with Anatel is to be schedule next semester to discuss these problems.

Here the calling for logs in Portuguese:

http://www.radioamadores.org/news/news-2014/news-2014-10.htm

Here the form fields, including in English:

http://www.radioamadores.org/interativo/interativo.htm

BRAZILIAN ACTION AGAINST ILLEGAL AIR SPORTS VHF RADIO COMMUNICATIONS

Anatel (Brazilian Telecommunications Agency) promoted in the beginning of April 2014 a successful action against intruders of 2 meters band. Federal agents visit a launching hill in the city of Caraguatatuba, located in the northern shore of the State of Sao Paulo, and they detected illegal aeronautical mobile communications on VHF 2 meters amateur radio band (144-148 MHz) done by air sports pilots and alike (Handglider, Paraglider, etc). Several HTs were retained by the agents and the pilots will respond to a process due the conduction of unauthorized radio communications and use of uncertified radio transceivers. In a LABRE article (the Brazilian national amateur radio association), Anatel oriented the practitioners of the air sports to promote their communications on more appropriated telecommunications service and their respective frequencies, like Limited Service or Aeronautical Mobile Service. New actions of Anatel on other similar locations were not discarded.

LABRE/GDE. June 14, 2014.
http://www.radioamadores.org/news/news-2014/news-2014-14.htm

73 - Flávio PY2ZX - LABRE/GDE

2. 7166 kHz – A1A (CW) from France – ident: FAV22
The long lasting CW emissions on 7166.044 kHz came from France every Wednesday afternoon.
Source of emission: CSTEI, the Centre for Telecommunication and Specialized Data Processing (Norm M51)
HB9CET informed BAKOM and DK2OM the German PTT. Bearings by the German PTT were showing Vernon, NW of Paris. Many thanks for observations and reports to: HB9CET, F5JBR, F5MIU, F5NED
Screenshot: DK2OM with Wavecom W-Code (V 8.5) – enciphered messages – 5letter groups

3. 7061.8 – Russian vocoder found by DK2OM

I found a Russian vocoder system CIS-1200 (PSK2) on 7061.8 kHz on June 17th. Location: Kaukasian Region.

4. Hamradio 2014 – DARC HF Department members and friends

DK2OM, SP7TEV – Pawel, DK4VW

DK2OM - Wolf, HB9CET - Peter, DK4VW - Ulli

DF5JL – Tom and DL8MDW – Christian

DF8FE – Martin and DJ2LF - Walter

HB9ZEM, Stefan, hold an excellent lecture about passive (bistatic) radars. Such radars do never disturb our bands!

5. Homepage IARU Region 1 http://www.iaru-r1.org/
Homepage IARUMS Region 1 http://www.iarums-r1.org
Homepage IARUMS Region 2 http://www.iaru-r2.org/
Homepage IARUMS Region 3 http://www.iaru-r3.org/ms/
Intruderlogger Region 1 http://peditio.net/intruder/bluechat.cgi
ITU-Monitoring Reports:
http://www.itu.int/ITU-R/index.asp?category=terrestrial&rlink=terrestrial-monitoring&lang=en

Part 2: Detailed reports of the national Co-ordinators

DD = day ••• **MM** = month ••• **dly** = daily ••• **vt** = various times ••• **vd** = various days ••• **BD** = Baud ••• **SH** = shift ••• **SP** = spacing ••• **Mode** = mode of transmission ••• **A3E** = AM ••• **A1A** = CW ••• **J3E-U** = USB ••• **J3E-L** = LSB ••• **FSK (F1B)** = frequency shift keying ••• **PSK** = phase shift keying ••• **OFDM** = othogonal frequency division multiplex **ALE (MIL-188-141A)** = automatic link establishment ••• **MUX** = multiplex ••• **Ui (unid)** = unidentified ••• **Illicit** = illegal • **UiILL** = unidentified illegal ••• **BC** = broadcast ••• **MIL** = military ••• **PTR** = printer ••• **NGO** = non governmental organization ••• **ITU** = ITU country abbreviation ••• **PRC** = People´s Republic of China ••• **PLA** = People´s Liberation Army ••• **MFA** = Ministry of Foreign Affairs ••• **MOI** = Ministry of Interior ••• **MOPO** = Ministry of Public Order ••• **IARUMS** = IARU Monitoring System ••• **UTC** = Universal Time Coordinated ••• **pps** = pulses per second (earlier radar systems) ••• **sps** = sweeps/sec (radar systems) ••• **FMCW** = frequency modulated continuous wave (OTH and coastal Radars) **5BL** = cyrillic 5 lettergroups

ARSK MONITORING OVERVIEW FOR JUNE 2014

No changes. There were the usual broadcasts from Radio Hargeisha on 7120 kHz, Radio Uganda on 7195 kHz.

E.H.M. Alleyne, 5Z4NU

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ARSK – Kenya – 5Z4NU (Ted)

H'd by	kHz	UTC	dd	mm	ITU	Identity	MODE	Details
ARSK	7,075.00	vt	dly	6	E. Africa	?	J3E	Unknown African language
ARSK	7120.00	vt	dly	6	Rep.of Somaliland	Hargeisha	A3E	Daily broadcasts.
ARSK	7195.00	0650 to mid-afternoon	10 to 30	6	UGA	Uganda Radio	A3E	B'cast in KiSwahili, music, Luganda & English, to about 1200Z or later.

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

DG0JBJ (Mario) observed 309 OTH radars on 20 m, 38 OTH radars on 15 m and 14 OTH radars on 10 m in June 2014. Russian OTH radars were active again on 20 m with 10 and 50 sps – 40 kHz wide with splatters!

DARC 2 – Germany - DK2OM (Wolf)

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

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DK2OM	1812,0	ady	dly	06	RUS		USB LSB			14 tones – hyperbolic radio navigation system – BRAS-3/RS-10 – Kaliningrad – daily, all day
DK2OM	1880,0	ady	dly	06	BEL		PSK8	2400	2400	Stanag4285 – 600 bps long – area of Brugge – Belgium - daily
DK2OM	1881,4	ady	dly	06	F		QPSK	100	100	BC-PSK – radio navigation – Nantes – daily, all day
DK2OM	1896,5	2130	07	06	D		PSK8	2400	2400	Stanag4285 – 600 bps long – German Navy – daily, all day
DK2OM	1925,0	vt	dly	06	I	IPL	USB			Livorno Radio, weather reports – daily, vt
DK2OM	3500,0	vt	vd	06	E		USB			Spanish fishery – every evening La Coruna and Bay of Biscay
DK2OM	3500,0	vt	dly	06	TUR		FSK8	120	1750	ALE, "201" - Turkish Red Crescent – legal!
DK2OM	3503,5	vt	dly	06	G	no ITU	FSK8	125	1750	ALE – "XSS" "XPU" "XJR" – British MIL Tascomm – vt, daily - legal!
DK2OM	**3527,0**	**1825**	**08**	**06**	**RUS**		**FMCW**		**55k 50k**	**OTHR – 43.5 sps – 3527 – 3582 kHz and 3765 – 3815 kHz - Makhachkala – Caspian Sea**

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DK2OM	3527,0	ady	dly	06	RUS		F1B	50	200	Severomorsk - daily
DK2OM	3530,0	vt	dly	06			FSK8	125	1750	ALE, “11141”
DK2OM	**3531,0**	**1830**	**dly**	**06**	**RUS**	**REA4**	**N0N**			**carrier with spurious emissions, RUS airforce Moscow, ident: 1940 utc – daily – often disturbed by OTH radar Makhachkala**
DK2OM	3532,0	2030	03	06	F		PSK4	75	2400	LINK11-CLEW on both sidebands (5800 Hz wide) – area of Brest – legal!
DK2OM	3550,0	vt	vd	06	ALG		FSK8	125	1750	ALE, “IU50” “IU52” “FN50”
DK2OM	**3550,0**	**vt**	**dly**	**06**	**F**		**A3E**			**French amateurs not observing bandplans**
DK2OM	3553,8	ady	dly	06	TUR		PSK8	2400	2400	Stanag4285 – TUR MIL - Ankara – legal operation
DK2OM	3567,0	vt	dly	06	CHN ?		FSK8	125	1750	ALE, “103” “106”
DK2OM	**3575,0**	**1950**	**24**	**06**	**RUS**		**FMCW**		**50k**	**OTHR – 43.5 sps – 3575 - 3625 kHz – Makhachkala – Caspian Sea**
DK2OM	3576,4	ady	dly	06	I	IZ3DVW	A1A			uncoordinated beacon
DK2OM	3582,0	0640	04	06	E		USB			Spanish fishery
DK2OM	3585,0	ady	dly	06	TWN	HLL	F1C			120 rpm, IOC 576, Wxfax - daily - legal!
DK2OM	3587,0	vt	vd	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” “KHAIBAR” – Pakistan navy
DK2OM	3595,0	vt	dly	06	D		FSK8	125	1750	ALE – German customs
DK2OM	3596,0	vt	dly	06	D, S, HRV		FSK8	125	1750	ALE, “DK3CW” “SA6CBK” “9A0PZ” – just for info!
DK2OM	3617,0	vt	dly	06	HRV	9A5EX	FSK8	125	1750	ALE, “9A5EX” – HAM-ALE - just for info
DK2OM	3622,5	ady	dly	06	J	JMH	F1C			Tokyo Meteo – 120 rpm – IOC576 – daily, legal!!!
DK2OM	3642,0	2058	07	06	CHN		A1A			endless slip – DKG6 de 3A7D Chinese military – daily, all day
DK2OM	**3654,0**	**123**	**13**	**06**	**RUS**		**FMCW**		**48k**	**OTHR – 43.5 sps – 3654 – 3702 kHz – Makhachkala – Caspian Sea – also: 14.06.14 at 1928 utc**
DK2OM	**3700,0**	**1827**	**16**	**06**	**RUS**		**FMCW**		**54k**	**OTHR – 43.5 sps – 3700 – 3754 kHz – Makhachkala – Caspian Sea**
DK2OM	**3720,0**	**1818**	**17**	**06**	**RUS**		**FMCW**		**55k**	**OTHR – 43.5 sps – 3720 – 3775 kHz – Makhachkala – Caspian Sea**
DK2OM	3751,5	vt	dly	06	POL	no ITU	FSK8	125	1750	ALE, “IZ3” “MI3”
DK2OM	3756,0	ady	dly	06	UKR		A3E			UKR – pip – 14 tones – hyperbolic navigation system – BRAS-2/RS-10
DK2OM	3761,5	vt	vd	06	POL		FSK8	125	1750	ALE, “NI9” “PL7” “AB2” – Polish MIL
DK2OM	3782,0	ady	dly	06	POR	CTP	F1B	75	850	POR Navy headquarter Lisbon – disturbed by Russian OTH radar on 18.08.2013 at 1945 utc
DK2OM	3791,0	vt	vd	06	D	DK0ESD	FSK8	125	1750	ALE, “DK0ESD” – just for info!
DK2OM	**7000,0**	**1344**	**08**	**06**	**INS**		**LSB USB**			**Indonesian pirates singing, chatting and playing music – daily, all day**
DK2OM	7000,0	vt	vd	06	?		FSK8	125	1750	ALE, “210” “20989” “2205”
DK2OM	7000,0	1745	20	06	E		USB			Spanish fishery
DK2OM	7009,0	1831	16	06	RUS		PSK2A	120	2600	AT3004D – Kaliningrad
DK2OM	7010,0	1752	29	06	INS		LSB			Indonesian pirates
DK2OM	7013,0	1336	29	06	CHN		OFDM	60	2350	OFDM30 – in LSB mode – pilottone at 450 Hz AF - audible in Japan and Australia
DK2OM	7020,0	vt	vd	06			FSK8	125	1750	ALE, “CS5004A” “RS0013D” – NC3A network? – area of

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
										Kosovo
DK2OM	7020,25	2012	11	06	BLR		F1B	81	250	Minsk
DK2OM	7031,0	2140	21	06	UKR		PSK2A	120	2600	AT3004D - Donezk
DK2OM	7038,5	1925	30	06			N0N			carrier – 7038.504 kHz – daily, all day
DK2OM	7038,7	1743	29	06	RUS	D	A1A			Cluster beacon – Sevastopol RUS Navy – **"RCV"**
DK2OM	7038,8	1743	29	06	RUS	P	A1A			Cluster beacon – 7038.780 kHz - Kaliningrad RUS Navy – **"RMP"**
DK2OM	7038,9	1743	29	06	RUS	S	A1A			Cluster beacon – Severomorsk RUS Navy – **„RIT"**
DK2OM	7039,0	---	---	06	RUS	C	A1A			Cluster beacon - Moscow RUS Navy - **"RIW"**
DK2OM	7039,1	---	---	06	KGZ	A	A1A			Cluster beacon – Bishkek RUS Navy – **"RJH25"**
DK2OM	7039,2	---	---	06	RUS	F	A1A			Cluster beacon - Vladivostok RUS Navy - **"RJS"**
DK2OM	7039,3	1328	29	06	RUS	K	A1A			Cluster beacon - Petropavlovsk Kamchatskiy - RUS Navy - Pacific fleet - **"RCC"**
DK2OM	7039,4	1328	29	06	RUS	M	A1A			Cluster beacon – Magadan RUS Navy – **„RTS"**
DK2OM	7039,95	ady	dly	06	I	IZ3DVW	A1A			IZ3DVW – uncoordinated beacon, daily, all day
DK2OM	7040,0	vt	dly	06	F	F6BAZ	FSK8	125	1750	ALE, "F6BAZ" – just for info
DK2OM	**7040,0**	**ady**	**dly**	**06**	**I**		**A1A**			**IZ3DVW – uncoordinated and unwanted beacon**
DK2OM	7040,5	vt	dly	06	HRV		FSK8	125	1750	ALE, "9A5EX" "9A0ALE" – just for info
DK2OM	7042,0	1750	29	06	FEa		FMCW		32k	CODAR like ocean radar with 2.5 sps – 7042 – 7074 kHz – daily – audible via Japan and Australia
DK2OM	7047,37	vt	vd	06	D		FSK8	125	1750	ALE, "DL0NOT" – just for info!
DK2OM	7049,5	vt	dly	06	HRV G F	9A0ALE M1DFO F6BAZ	FSK8	1250	1750	Amateur ALE, just for info!
DK2OM	7050,0	1750	04	06	UKR		LSB			music and chats mentioning Ukraine
DK2OM	7053,0	1916	14	06	RUS		PSK2	120	2600	AT3004D – modem idle – Kaliningrad
DK2OM	7054,0	---	---	06	RUS		F1B	50	200	CIS50-50 - RUS Navy Moscow – **not active**
DK2OM	7055,0	1043	30	06	CHN		FMCW		27k	Chinese OTH radar – 7055 – 7082 kHz - 43.5 sps
DK2OM	7055,5	vt	vd	06	GEO		FSK8	125	1750	ALE, "111" "132" "133" - Georgia
DK2OM	7056,0	2018	02	06	UKR		LSB			someone playing music and talking in Italian voice – north of Lviv
DK2OM	7057,0	2133	09	05	MEa		FSK8	125	1750	ALE, "145" "168"– ship, East Black Sea
DK2OM	7060,0	1650	19	06	CHN		FMCW		40k	Chinese OTH radar – 43.5 sps – 7060 – 7100 kHz
DK2OM	7061,8	1915	17	06	RUS		PSK2A	1200	1800	AT3001D – vocoder – Cherkessk - Kaukasus
DK2OM	7062,0	1824	17	06	CHN		FMCW		38k	Chinese OTH radar – 7062 – 7100 kHz - 43.5 sps
DK2OM	7064,0	1931	14	06	RUS		PSK2	120	2600	AT3004D – modem idle – Far East Russia
DK2OM	7070,0	vt	dly	06	GEO	no ITU	FSK8	125	1750	ALE, "MV" "244" "686" "334" "204" "571" – daily active
DK2OM	7085,0	1040	04	06	CHN		FMCW		65k	Chinese OTH radar – 7085 – 7145 kHz - 43.5 sps
DK2OM	7087,0	1043	30	06	CHN		FMCW		33k	Chinese OTH radar – 7087 – 7120 kHz - 43.5 sps
DK2OM	7088,8	vt	vd	06	S	SL0FRO	A1A			7088.830 - cw-trainee, Sweden –

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
										kHz – SL0FRO - just for info!
DK2OM	7089,8	1630	18	06	TUR		PSK8	2400	2400	Link11 - SLEW – aircraft – area of Izmir
DK2OM	7092,0	1822	03	06			FSK8	125	1750	ALE, “3014”
DK2OM	7099,5	vt	dly	06	HRV	9A0ZG	FSK8	125	1750	ALE, “9A0ZG” “9A5EX” “9A0OS” – daily - just for info!
DK2OM	7102,0	vt	dly	06	HRV SUI D	9A0ALE	FSK8	125	1750	ALE, “9A0ALE” “9A2KS” “HB9MHB” “9A0ZG” “DK0ESD” – just for info!
DK2OM	7110,0	vt	dly	06	HRV	9A0ALE	FSK8	125	1750	ALE, “9A0ALE” – just for info
DK2OM	7110,0	vt	dly	06			FSK8	125	1750	ALE, “1101” “1112”
DK2OM	7112,0	1913	30	06	RUS		PSK2A	120	2600	AT3004D – border UKR/RUS
DK2OM	7120,0	1700	dly	06	SOM		A3E		9k	Radio Hargaysa Somalia, daily
DK2OM	7122,0	2132	29	06	CHN		FMCW		10k	Chinese OTH radar – 66.66 sps – 3.8 sec bursts
DK2OM	7137,0	vt	dly	06	TWN	no ITU	FSK8	125	1750	LSB – ALE , “ACCENT” “ABLAZE” “ABOUND” “AGHAST” “ARTIST” “ANYWAY” “ABJECT” “ADROIT” – Taiwanese navy – daily – various times - tnx for info: DL8AAM
DK2OM	7162,0	1043	30	06	CHN		FMCW		28k	Chinese OTH radar – 7162 – 7190 kHz - 43.5 sps
DK2OM	7166,0	1930	18	06	F	FAV22	A1A			7166.044 kHz - 5letter groups – long lasting - location: Vernon, France
DK2OM	7183,0	vt	dly	06	SUI		FSK8	125	1750	ALE, “HB9MHB” – just for info!
DK2OM	7185,5	vt	dly	06	D HRV		FSK8	125	1750	ALE, “9A5EX” “DK0ESD” just for info - daily
DK2OM	7186,0	1908	30	06	RUS		PSK2A	120	2600	AT3004D - Severomorsk
DK2OM	7197,0	1920	24	06	TUR		FSK8	125	1750	ALE, “8241” “206102” “8151” “3021” “3761” “8021” “8141” “3061” “3241” “8411” – Turkish Sivil Avunma = Turkish Civil Defense - source: DL8AAM – daily, various times
DK2OM	10100,8	ady	dly	06	D		F1B	50	450	Baudot - German Weatherservice – legal!
DK2OM	10101,0	2017	08	06	IND		USB			male persons - Mumbai
DK2OM	10103,0	2013	10	06	KOR		USB			Korean fishery - Atlantic
DK2OM	10104,0	1759	11	06	KOR		USB			Korean fishery - Atlantic
DK2OM	10108,0	0708	19	06	RUS		F1B	50	200	Moscow
DK2OM	10110,3	1749	04	06	TUR		N0N		600	carrier system – 100 Hz spacing – very unclean – west of Izmir
DK2OM	10113,0	vt	dly	06	TUN	no ITU	FSK8	125	1750	ALE, “TUD”
DK2OM	10114,8	0500	dly	06	RUS		F1B	100	1000	CIS14 – Moscow
DK2OM	10115,0	vt	vd	06			FSK8	125	1750	ALE, “2001” “2002”
DK2OM	10118,0	2019	10	06	RUS		F1B	75	250	Moscow
DK2OM	10120,0	0914	02	06	RUS		PSK2A	120	2600	AT3004D – Samara – also 18.06.14 at 1010 utc
DK2OM	10122,8	1830	17	06	ALG		PSK8	2400	2400	Stanag4538 – South Algeria
DK2OM	10123,0	vt	dly	06	ALG	no ITU	FSK8	125	1750	ALE, “CM3” “COF” “BSF” ”CM2” “ESA”
DK2OM	10126,0	0845	26	06	RUS		PSK2A	120	2600	AT3004D - Severomorsk
DK2OM	10126,0	vt	dly	06	MRC		USB			Moroccan fishery
DK2OM	10129,0	0837	17	06	ALG		FSK8	125	1750	ALE, “CM1” “CTF” “772”
DK2OM	10130,0	vt	dly	06	MRC		FSK8	125	1750	Thales 3000 – West Sahara – daily - vt
DK2OM	10133,8	1945	20	06	ALG		PSK8A	2400	2400	Stanag4538 – burst mode – South Algeria
DK2OM	10134,0	1528	22	06	UKR		PSK2A	120	2600	AT3004D – Lugansk
DK2OM	10136,0	vt	dly	06	ALG		FSK8	125	1750	ALE, “CM3” “BLD” “CNC” “TF2”
DK2OM	10136,0	ady	dly	06	RUS		F1B	50	200	Chita – Far East Russia - daily
DK2OM	10144,0	ady	dly	06	D	DK0WCY	A1A			10143.986 kHz - DK0WCY – German aurora beacon – **just for info!**

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DK2OM	10145,0	0728	17	06	FIN		PSK2A	120	2600	AT3004D – Baltic Sea - ship
DK2OM	10145,5	vt	dly	06	HRV S / D F / G	9A5EX	FSK8	125	1750	ALE, "9A5EX" "SM5VRH" "DK0ESD" "F6BAZ" "M1DFO"- just for info - daily
DK2OM	14001,5	0857	05	06	TUN		PSK4A	62.5	1750	Clover 2000 – 8 x 62.5 Bd – CRC ham-mode
DK2OM	14001,8	1058	05	06			F1B	100	170	14001.785 kHz - Codan selcal – idents: 9503 - 9504
DK2OM	14026,0	0847	15	06	RUS		PSK4B	120	2600	AT3104D – Moscow – also: 25.06.2014 at 1650utc
DK2OM	14060,0	vt	vd	06	ISR		FSK8	125	1750	ALE, "AAA" - Israel
DK2OM	14064,0	0927	30	06	RUS		F1B	75	250	Krasnoyarsk
DK2OM	14108,0	vt	vd	06	RUS		A1A			RUS MIL Moscow
DK2OM	14109,0	vt	dly	06	ISR	4X1	FSK8	125	1750	ALE, "4X1" "CT2IXQ" – just for info!
DK2OM	14109,0	vt	dly	06	CAN		FSK8	125	1750	ALE, "VE3GDZ" – just for info!
DK2OM	14110,7	1408	04	06	TUR		F1B	100	200	14110.65 – Pactor - TA2BBS – just for info!
DK2OM	14116,0	0924	02	06	RUS		F1B	75	250	Kaliningrad
DK2OM	14118,0	0919	23	06			PSK2A	120	2600	AT3004D -
DK2OM	14120,0	1359	22	06	RUS		FMCW		20k	OTH radar 10 sps – Nizhny Novgorod
DK2OM	14135,0	1547	15	06	RUS		FMCW		20k	OTH radar 10 sps – Nizhny Novgorod – also: 21.06.2014 at 0720 utc
DK2OM	14150,0	0940	23	06	RUS		FMCW		10k	OTH radar 50 sps – Nizhny Novgorod
DK2OM	14160,0	2100	30	06	RUS		F1B	75	250	Moscow
DK2OM	14192,0	0930	30	06	RUS		F1B	50	200	RUS navy Kaliningrad – vd, vt
DK2OM	14205,0	vt	dly	06	CHN ?	no ITU	FSK8	125	1750	ALE, "505" "822" – 60 deg. from DL - CHN ?
DK2OM	14221,0	2020	19	06	KGZ		F1B	50	200	Bishkek
DK2OM	14240,0	0751	04	06	RUS		FMCW		10k	OTH radar 50 sps – Nizhny Novgorod
DK2OM	14240,0	1720	07	06	RUS		F1B	75	250	Kaliningrad – also; 19.06.2014 at 0705 utc
DK2OM	14245,0	0925	02	06	RUS		FMCW		10k	OTHR Contayner – 50 sps – Nizhny Novgorod
DK2OM	14260,0	2024	19	06	RUS		FMCW		10k	OTH radar 50 sps – Nizhny Novgorod – long lasting
DK2OM	14260,0	vt	dly	06	SRB		FSK8	125	1750	ALE, "YU1BI" – just for info!
DK2OM	14265,0	vt	vd	06	TUR		FSK8	125	1750	ALE, "526"
DK2OM	14270,0	0707	24	06	RUS		FMCW		10k	OTH radar 50 sps – Nizhny Novgorod
DK2OM	**14280,0**	**1010**	**Wed**	**06**	**UKR**		**A3E**			**female voice with encrypted msgs – figures – "SZRU" = Foreign Intelligence Service of Ukraine at Rivne – every Wednesday**
DK2OM	14292,0	vt	vd	06	RUS		A1A			encrypted - Jekaterinburg
DK2OM	14292,8	1950	19	06	CHN		PSK4A	2400	2400	South China Sea – Chinese navy?
DK2OM	14295,0	vt	dly	06	SRB	YU1BI	FSK8	125	1750	ALE, "YU1BI" – just for info!
DK2OM	14295,1	ady	dly	06	TJK		A3E			3rd from Radio Tajik on 4765 kHz
DK2OM	14317,0	0613	09	06	RUS	RCV	A1A			RUS naval base Sevastopol - encrypted, cyrillic letters
DK2OM	14322,0	vt	dly	06	CHN		FSK8	125	1750	ALE, "402"
DK2OM	14328,0	vt	dly	06	CHN		FSK8	125	1750	ALE, "139" "534" "772" – West China
DK2OM	14330,0	vt	dly	06			FSK8	125	1750	ALE, "BV4"
DK2OM	14331,0	0730	04	06		TT17	A1A			idents: TT67 – TT68 - TT17 – TTT6 - encrypted figures
DK2OM	14343,0	1702	19	06	CHN		FMCW		10k	Chinese OTH burst radar – 66.7 sps
DK2OM	14344,7	ady	dly	06	CHN		PSK8	2400	2400	modified MIL-188-110A - 600 bps short – 14344.650 kHz – daily, all day
DK2OM	14346,0	vt	vd	06	HRV		FSK8	125	1750	ALE, "9A0ZG" "RX3ARZ"

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
					RUS D					"DK0ESD" – just for info – various times, daily
DK2OM	14346,0	vt	dly	06	THA	HS0ZEA	A1A			HS0ZEA beacon – 14345.950 kHz - every 5 minutes – just for info!
DK2OM	14346,0	1700	19	06	CHN		FMCW		10k	Chinese OTH burst radar – 66.7 sps
DK2OM	**18080,0**	**0600**	**dly**	**06**	**TWN CHN**	**SOH**	**A3E**		**9k**	**Sound of Hope / Taiwan and Chinese mainland BC**
DK2OM	18100,0	0851	26	06	MRC	no ITU	FSK8	125	1750	ALE, "CD" "C3" "R3" "G3" "E4" "E5" "Z2" "FORD" – daily, various times
DK2OM	18107,0	vt	vd	06	RUS	RDL	F1B	50	200	Moscow – idle and traffic – Russian navy – various days and times – legal operation
DK2OM	18117,5	vt	vd	06	POR	CT2IXQ	FSK8	125	1750	ALE, "CT2IXQ" – just for info
DK2OM	18140,0	vt	dly	06	SRB	YU1BI	FSK8	125	2600	ALE, "YU1BI" – just for info!
DK2OM	18150,0	0726	24	06	RUS		F1B	100	1000	harmonic from 9075 - Kaliningrad
DK2OM	20998,8	1100	24	06	ARG	TB8	USB			illegal traffic in Spanish voice, splattering up
DK2OM	**21000,0**	**vt**	**vd**	**06**	**SDN**		**USB**			**MFA Sudan – Khartoum with emba Yemen – voice traffic**
DK2OM	21000,0	2048	18	06	F		FMCW		20k	OTH radar – 6 sps bursts – South France – full hour 02 min. and then every 15 min.
DK2OM	21000,0	1740	04	06	FEa		USB			Far East pirates – also: 26.06.2014 at 1130 utc
DK2OM	21000,0	2115	30	06	E		USB			Spanish pirates – area of Vigo
DK2OM	**21002,1**	**1539**	**09**	**06**	**SDN**	**!0000**	**F1B**	**100**	**170**	**21002.15 kHz - Pactor 1 encrypted – MFA Sudan – Khartoum with emba Yemen – daily, vt**
DK2OM	21063,3	1430	25	06	BRM		LSB			pirates - Myanmar
DK2OM	21070,0	1522	11	06	CYP		FMCW		20k	OTH radar Cyprus – 25 sps
DK2OM	21096,0	vt	dly	06	INS	YD0OXH	FSK8	125	1750	ALE, "YD0OXH3" – daily, various times - just for info!
DK2OM	21130,0	1755	23	06	MRC		USB			Moroccan fishery
DK2OM	21131,0	vt	vd	06	CHN		FSK8	125	1750	ALE, "A92" "L02" – Chinese Navy?
DK2OM	21141,8	0646	04	06	MEa		PSK8	2400	2400	MIL-188-141B – App.C and Stanag5438 – daily, various times
DK2OM	21145,0	vt	dly	06	MRC		FSK8	125	1750	ALE, "B301", "C3", "IR4" "T4" "E4" "A2" "CD" "K3" "KB2" "J5" "GS4" – various times, daily
DK2OM	**21145,8**	**1707**	**11**	**06**	**I**	**IZ3DVW**	**A1A**			**IZ3DVW – uncoordinated and unwanted beacon**
DK2OM	21231,8	0739	13	06	GEO		PSK8A	2400	2400	Stanag4538
DK2OM	21280,0	0920	06	06	AUS		FMCW		10k	Australian OTH burst radar JORN
DK2OM	21318,5	0910	10	06	SRL		F1D	600	600	21318,480 - DPRK-FSK 600 – North Korean emba Freetown
DK2OM	21346,0	0845	15	06	THA	HS0ZEA	A1A			beacon "HS0ZEA" – just for info!
DK2OM	21392,0	0627	25	06	CHN		FMCW		10k	Chinese OTH burst radar – 66.7 sps
DK2OM	21400,0	vt	dly	06	RUS		F1B	50	2000	harmonic from 5350 kHz – area of Moscow - daily
DK2OM	21438,0	vt	dly	06	RUS	RCV	A1A			RIP90 de RCV - RUS Navy Sevastopol - daily
DK2OM	21446,0	ady	dly	06	THA	HS0ZEA	A1A			HS0ZEA beacon – every 5 minutes - 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 – daily, all day
DK2OM	**28000,0**	**vt**	**dly**	**06**	**CIS**		**F3E**			**28000 – 29700 numerous CIS taxi nets – mostly Russia**
DK2OM	**28000,0**	**ady**	**dly**	**06**	**B**		**A3E**			**Brazilian CBers – 28000 -**

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
										28315
DK2OM	28005,0	1026	04	06	RUS		F3E			taxi net St. Peterburg, daily, all day
DK2OM	28035,0	vt	dly	06	RUS		F3E			taxi Moscow - daily
DK2OM	28055,0	0907	22	06	RUS		F3E			taxi Moscow - daily
DK2OM	28065,0	vt	dly	06	RUS		F3E			taxi Moscow - daily
DK2OM	28065,1	1925	25	06	POR		F1B	51	320	F1B bursts - west of Lisbon – Enagal GPS buoys - daily
DK2OM	28065,8	1919	25	06	GAB				1000	carrier and dots in USB and LSB, bursts every 60 sec
DK2OM	28085,0	1819	07	06	F		A3E			French CBers
DK2OM	28100,0	0959	08	06	E		A3E			Spanish CBers “Marcella”
DK2OM	28101,0	1817	02	06	F		F1B	51	320	F1B bursts - 28100.780 kHz – Bay of Biscay – French coast - Enagal GPS buoys – daily, all day
DK2OM	28105,0	vt	dly	06	RUS		F3E			taxi Moscow
DK2OM	28105,0	1452	04	06	E		A3E			Spanish CBers – also: 20.06.2014 at 0830 utc
DK2OM	28115,0	vt	dly	06	RUS		F3E			taxi – Kazan – daily – disturbing AFU PSK on 28120
DK2OM	28125,0	vt	dly	06	POR		F1B	51	320	F1B bursts - 28100.160 kHz - west of Lisbon – Enagal GPS buoys - daily
DK2OM	28135,0	vt	dly	06	RUS		F3E			taxi – Barnaul - daily
DK2OM	28146,0	vt	vd	06	ARG B		FSK8	125	1750	ALE, “LU8EX” “PY2TI” “DL1” – just for info!
DK2OM	28155,0	ady	dly	06	RUS		F3E			taxi Moscow
DK2OM	28200,0	vt	dly	06	POR		F1B	51	300	F1B bursts - west of Lisbon – Enagal GPS buoys - daily
DK2OM	28205,0	vt	dly	06	RUS		F3E			taxi Moscow
DK2OM	28215,0	vt	dly	06	RUS		F3E			taxi Moscow
DK2OM	28255,0	vt	dly	06	RUS		F3E			taxi Moscow
DK2OM	28265,0	vt	dly	06	RUS		F3E			taxi Moscow
DK2OM	28275,1	1737	02	06	AF		F1B	51	320	F1B bursts – African west-coast – Enagal GPS buoys - daily
DK2OM	28305,0	vt	dly	06	RUS		F3E			taxi - Arkhangelsk
DK2OM	28345,1	1824	07	06	GAB		A3E			carrier and dots in USB and LSB, bursts every 60 sec – 28346.110 kHz carrier – Gabon – daily and all day
DK2OM	28410,0	1830	16	06	B		LSB			female persons - Fortaleza
DK2OM	**28435,0**	**---**	**---**	**06**	**E**		**F1B**	**81.9**	**140**	**Datawell-buoy “Waverider” – 28435.040 kHz – Costa del Sol - Malaga**
DK2OM	28600,0	1236	08	06	IRN		FMCW		50k	OTH radar Iran – 307 and 870 sps – splattering +/- 300kHz
DK2OM	28900,0	1825	18	06	SEN		F3E			voice traffic in Chinese voice - Senegal
DK2OM	29145,0	1900	18	06	CTI		F3E			net in Baoule voice – Ivory Coast
DK2OM	**29250,0**	**---**	**--**	**06**	**E**		**F1B**	**81.9**	**140**	**Datawell-buoy “Waverider” – 29249.905 kHz – Fuerteventura - daily, all day**
DK2OM	**29375,0**	**vd**	**vt**	**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 coast, close to Pakistan - daily, all day**
DK2OM	**29450,0**	**1903**	**17**	**06**	**MRC**		**F1B**	**81.9**	**140**	**Datawell-buoy “Waverider” – 29449.870 kHz - area of El Aaiun – Morocco - daily, all day**
DK2OM	**29500,0**	**---**	**--**	**06**	**G**		**F1B**	**81.9**	**140**	**Datawell-buoy “Waverider” – area of Gibraltar – daily, all day**
DK2OM	**29525,0**	**---**	**---**	**06**	**MRC**		**F1B**	**81.9**	**140**	**Datawell-buoy “Waverider” –**

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
										29524.990 kHz - Agadir - Morocco – daily, all day
DK2OM	29607,0	1750	16	06	POR		USB			Moroccan fishery – area of Madeira

IRTS – Ireland – EI9GSB (Lisa)

KARS – Kuwait – 9K2RR (Faisal)

MRASZ – Hungary - HA7PL (Laci)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
MRASZ	7007,0	1955	24	6			F1B	250,0	
MRASZ	7014,9	1909	20	6			N0N		
MRASZ	7018,8	1722	9	6			F2B		"QRJ 2 K"
MRASZ	7020,2	1757	11	6			F1B	250	
MRASZ	7027,0	1953	24	6			A1A		slowly V string
MRASZ	7038,7	vt	ady	6	UKR	D	A1A		"D" beacon
MRASZ	7038,8	1709	3	6	RUS	P	A1A		„P" beacon, hrd on: 5,9, 10, 11,
MRASZ	7038,9	1942	5	6	RUS	S	A1A		"S" beacon, hrd on: 9, 10, 11, 20, 22, 24
MRASZ	7048,0	2007	24	6			A1A		"8DBD de 1NJ9 K" "QSA 3 QSA? K" RK"
MRASZ	7050,0	1717	3	6	UKR		LSB		music, hrd on: 5, 9, 10, 11, 20, 24
MRASZ	7050,0	1847	20	6	UKR		LSB		ukr. hams? continuously during many days
MRASZ	7055,0	2003	5	6			LSB		ukrainian propaganda
MRASZ	7057,0	1717	3	6			A1A		"il tipo sen a supporto completo del dispositivo"
MRASZ	7098,0	2000	5	6			N0N		
MRASZ	7120,0	1719	3	6	SOM		A3E		BC Radio Hargaysa, hrd on: 9, 20, 22
MRASZ	7182,0	1936	24	6			A3E		
MRASZ	7182,0	1852	22	6			A3E		
MRASZ	10105,0	1943	5	6			OTHR		
MRASZ	10118,0	1856	10	6			F1B	250	
MRASZ	10128,0	1856	20	6			OTHR		
MRASZ	14008,0	1359	15	6			F1B	180	
MRASZ	14026,0	1334	15	6			PSK2		AT3004D
MRASZ	14116,0	1648	9	6			F1B	250	
MRASZ	14120,0	1455	15	6			OTHR		
MRASZ	14125,0	1438	15	6			OTHR		
MRASZ	14125,0	1938	11	6			OTHR		at 1954 again
MRASZ	14135,0	1800	11	6			OTHR		
MRASZ	14140,0	1556	14	6			OTHR		
MRASZ	14150,0	1521	15	6			OTHR		50 sweep/sec, 14140-14170
MRASZ	14160,0	1950	5	6			F1B	250	also hrd on: 9, 24
MRASZ	14160,0	1855	20	6			F1B	250	
MRASZ	14207,0	1339	15	6			N0N		
MRASZ	14214,0	1914	3	6			OTHR		
MRASZ	14220,0	1230	13	6			OTHR		14215-14230
MRASZ	14221,0	1857	20	6			F1B	200	
MRASZ	14221,0	2002	24	6			F1B	200	
MRASZ	14225,0	1730	3	6			OTHR		14210-14240, hrd on: 15
MRASZ	14236,1	1722	3	6			A1A		"6N5T 7DNT 4TN3 563T N75D + K"
MRASZ	14240,0	1951	5	6			F1B	250	also hrd on: 20
MRASZ	14250,0	1739	3	6			OTHR		
MRASZ	14295,1	vt	ady	6	TJK		A3E		Radio Tajikistan 3 x 4765 kHz
MRASZ	18080,0	732	9	6			A3E		Chinese?
MRASZ	21125,0	934	15	6			OTHR		
MRASZ	21420,0	1642	9	6			USB		"cambio"
MRASZ	28175,0	1859	9	6			F3E		russian taxi

OEVSV – Austria – OE3GSA (Gerd)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
oevsv	10114.2	0555	17	06	?	?	A1A			dots only 2sec intervals
oevsv	14009.3	0515	02	06	?	?	J3Eu			males chatting
oevsv	14159.0	1550	29	06	?	?	F1B	100	150	
oevsv	18080.0	0600	29	06	BY	?	A3A			chinese BC as usual

PZK – Poland – SP9BRP (Jan)

REF 1 – France – F5MIU (Francis)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
REF	3664	0220	07	06	FRA	FAV22	A1A			Traffic from French CSTEI, the Centre for Telecommunication and Specialized Data Processing (Norm M51)
REF	3664	0225	28	06	FRA	FAV22	A1A			Traffic from French CSTEI, the Centre for Telecommunication and Specialized Data Processing (Norm M51)
REF	3713	0240	28	06	RUS	GZXQ	A1A			GZXQ complet QSO and traffic with outstations
REF	3713	0241	28	06	RUS	GZXQ	A1A			GZXQ complet QSO and traffic with outstations
REF	3748,5	0225	28	06	FRA	FAV22	A1A			Traffic from French CSTEI, the Centre for Telecommunication and Specialized Data Processing (Norm M51)
REF	3772	0245	28	06	RUS	TIHK	A1A			TIHK complet QSO and traffic with outstations
REF	3772	0255	28	06	RUS	KPQO	A1A			KPQO complet QSO and traffic with outstations
REF	7164	0431	01	06	RUS		J3E			QSO and traffic with outstations
REF	7164	0501	07	06	RUS		J3E			QSO and traffic with outstations
REF	7164	0445	19	06	RUS		J3E			QSO and traffic with outstations
REF	7166	1620	18	06	FRA	FAV22	A1A			Traffic from French CSTEI, the Centre for Telecommunication and Specialized Data Processing (Norm M51)
REF	7166	0235	19	06	FRA	FAV22	A1A			Traffic from French CSTEI, the Centre for Telecommunication and Specialized Data Processing (Norm M51)
REF	14108	0722	01	06	RUS	TR8L	A1A			TR8L complet QSO and traffic with outstations
REF	14108	0604	03	06	RUS	TR8L	A1A			TR8L complet QSO and traffic with outstations
REF	14108	0519	04	06	RUS	TR8L	A1A			TR8L complet QSO and traffic with outstations
REF	14108	0517	05	06	RUS	TR8L	A1A			TR8L complet QSO and traffic with outstations
REF	14108	0520	06	06	RUS	TR8L	A1A			TR8L complet QSO and traffic with outstations
REF	14108	0725	06	06	RUS	V9SR	A1A			V9SR complet QSO and traffic with outstations
REF	14108	0355	07	06	RUS	TR8L	A1A			TR8L complet QSO and traffic with outstations
REF	14108	0920	08	06	RUS	TR8L	A1A			TR8L complet QSO and traffic with outstations
REF	14108	0318	09	06	RUS	TR8L	A1A			TR8L complet QSO and traffic with outstations
REF	14108	0318	16	06	RUS	4T8B	A1A			4T8B complet QSO and traffic with outstations
REF	14108	0459	17	06	RUS	IKTP	A1A			IKTP complet QSO and traffic with outstations
REF	14108	0604	21	06	RUS	8VDU	A1A			8VDU complet QSO and traffic with outstations
REF	14108	0318	22	06	RUS	8VDU	A1A			8VDU complet QSO and traffic with outstations
REF	14108	0312	23	06	RUS	8VDU	A1A			8VDU complet QSO and traffic with outstations
REF	14108	0905	26	06	RUS	8VDU	A1A			8VDU complet QSO and traffic with outstations
REF	14108	0908	26	06	RUS	8SCZ	A1A			8SCZ complet QSO and traffic with outstations
REF	14108	0458	28	06	RUS	8VDU	A1A			8VDU complet QSO and traffic with outstations
REF	14108	0520	28	06	RUS	8VDU	A1A			8VDU complet QSO and traffic with outstations
REF	14182	1510	17	06			fmcw	20		OTHR 20Hz pulses S8 Dir Est + QSY 14225kHz
REF	14225	1513	17	06			fmcw	20		OTHR 20Hz pulses S8 Dir Est
REF	14225	1345	19	06			fmcw	20		OTHR 20Hz pulses S6
REF	14292	0334	01	06	RUS	OQAK	A1A			OQAK complet QSO and traffic with outstations
REF	14292	0605	24	06	RUS	2FIV	A1A			2F1V complet QSO and traffic with outstations
REF	14292	0530	28	06	RUS	2FIV	A1A			2F1V complet QSO and traffic with outstations
REF	14292	0605	28	06	RUS	2FIV	A1A			2F1V complet QSO and traffic with outstations
REF	14317	0446	01	06	RUS	TGWX	A1A			TGWX complet QSO and traffic with outstations
REF	14317	0611	03	06	RUS	TGWX	A1A			TGWX complet QSO and traffic with outstations
REF	14317	0544	05	06	RUS	TGWX	A1A			TGWX complet QSO and traffic with outstations
REF	14317	0357	07	06	RUS	TGWX	A1A			TGWX complet QSO and traffic with outstations
REF	21130	1600	27	06			fmcw	20		OTHR 20Hz pulses S7

Regular stations on 80m band are only for information!

REF 2 – France – F5JBR (Andre)

REP – Portugal – CT4AN (Jose Francisco)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
REP	**3550**	**06.32**	**06**	**06**	**F**		**A3E**			**French amateurs ignoring bandplan**
REP	3570	08.21	19	06			J3E-U			Unid fishermen
REP	3582	06.29	04	06	E		J3E-U			Spanish fishery, Galicia
REP	3582	08.17	23	06	E		J3E-U			Spanish fishery
REP	3636	07.15	02	06	E		J3E-U			Spanish fishery, Galicia
REP	3636	09.20	18	06	E		J3E-U			Spanish fishery, Galicia
REP	3790	08.00	19	06	E		J3E-U			Spanish fishery
REP	7000	16.45	19	06	I		J3E-L			Italian pirates
REP	7030	07.58	10	06	E		J3E-U			Fishermen
REP	7035	22.10	15	06	E		J3E-U			Fishermen
REP	7038	20.12	03	06	RUS	S	A1A			KALININGRAD, ADY, DLY
REP	7038	23.56	02	06	UKR	D	A1A			SEVASTOPOL, ADY, DLY
REP	7038	23.18	03	06	RUS	P	A1A			MURMANSK, ADY, DLY
REP	7039	23.09	02	06	RUS	C	A1A			MOSCOW, ADY, DLY
REP	7039	21.26	11	06	RUS	A	A1A			VOLGOGRAD, ADY, DLY
REP	7039	22.26	03	06	RUS	F	A1A			KAMCHATSKY, ADY, DLY
REP	7039	21.45	14	06	RUS	K	A1A			VOLGOGRAD, ADY, DLY
REP	7039	22.55	11	06	RUS	M	A1A			MAGADAN, ADY, DLY
REP	7041	21.58	11	06	RUS	L	A1A			St PETERSBURG, ADY, DLY
REP	**7070**	**15.12**	**28**	**06**	**P**		**J3E-L**			**Music jamming QSOs**
REP	**7070**	**16.54**	**29**	**06**	**I**		**J3E-L**			**Music jamming QSOs**
REP	7101	01.24	26	06			J3E-U			Arabian talking
REP	7120	18.40	01	06	SOM		8k00 A3EGN			Radio Hargaysa (low signal with fade)
REP	10117	17.27	28	06	MRC		J3E-U			Moroccan fishery
REP	10120	16.10	20	06	MRC		J3E-U			Morrocan fishermen
REP	10125	11.43	07	06	MRC		J3E-U			Moroccan fishery
REP	10130	21.02	25	06	MRC		J3E-U			Arabic ops
REP	10131	06.33	04	06	AUS		J3E-U			VK amateurs, legal FYI
REP	10141	14.03	02	06	E		J3E-U			Spanish fishery
REP	14005	10.13	26	06			F1B			Not standard speeds detected
REP	14012	14.15	29	06			FMCW			OTH radar 50 cps, abt 20kHz wide
REP	14120	17.42	26	06			FMCW			OTH radar 20kHz wide
REP	**14160**	**DLY**	**DLY**	**06**	**RUS**		**F1B**	**75**	**250**	**Russian mil station, daily**
REP	14190	07.14	16	06			FMCW			OTH radar
REP	14192	10.44	26	06			CW			Unmodulated permanent carrier
REP	14195	08.17	18	06	RUS		F1B	50	200	Russian Navy encrypted
REP	14205	09.13	18	06			FMCW			OTH radar
REP	14225	16.45	19	06			FMCW			OTH radar 50 cps
REP	**14240**	**DLY**	**DLY**	**06**	**RUS**		**F1B**	**75**	**250**	**Russian mil station, daily**
REP	14240	12.25	24	06			FMCW			OTH radar 50 cps/20kHz wide
REP	14240	16..23	05	06			F3E			Jamming signal FM type, tuning to 14241.40 LSB, I could clearly ear the RTTY signal it was trying to jam.
REP	14240	12.17	24	06			FMCW			OTHR 40dB over S-9
REP	14260	13.20	29	06			FMCW			OTH radar 50cps/20kHz
REP	14270	15.33	28	06			FMCW			OTH radar 50 cps
REP	14275	06.37	04	06			FMCW			Short burst OTH radar
REP	14287	19.50	03	06			FMCW			OTH radar
REP	14317	08.26	09	06			A1A			Letters and numbers station
REP	14317	07.19	06	06			A1A			Unid Lang, Multipath propagation. It was not

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
										an amateur transmission. I could not decipher the content of the messages.
REP	18070	12.14	11	06			FMCW			OTH radar 10kHz 48cps
REP	18088	07.43	19	06			J3E-U			Unid language fishermen, loud engine noise
REP	18100	16.29	11	06			FMCW			OTH radar 50sps/20KHz wide
REP	21000	17.22	15	06			FMCW			OTH radar 20kHz 50cps
REP	21001	14.03	08	06	RUS		F1B	100	200	Yakhata vocoder
REP	21010	09.25	20	06			J3E-U			Encoded transmission
REP	**21014**	**12.47**	**17**	**06**	**B**		**J3E-U**			**Brazilian hams not observing Bandplan**
REP	21099	12.48	17	06	B		J3E-U			Same brazilian ops as above, qsy here
REP	21270	17.00	04	06			FMCW			OTH radar 20kHz 50cps
REP	21291	18.21	21	06			STANAG ?			
REP	21380	16.51	12	06	E		J3E-U			Spanish fishery
REP	24975	12.55	04	06	B		J3E-L			Brazilians not ham
REP	28050	17.09	13	06	E		F1B			Spanish Enagal buoy
REP	28055	14.20	02	06	RUS		F3E			Russian YL taxi dispatcher
REP	28065	19.15	06	06	B		A3E			Brazilian ops
REP	28065	18.25	07	06	B		A3E			Brazilian ops, roger beeps
REP	28065	19.08	07	06	B		A3E			Brazilian ops
REP	28065	11.00	18	06	B		A3E			Brazilian ops
REP	28110	09.19	29	06			FMCW			OTH radar
REP	28155	09.55	26	06	RUS		F3E			Russian dispatcher
REP	28155	12.55	11	06	B		J3E-U			Brazilian pirates
REP	28190	10.10	28	06			F3E			YL taxi dispatcher
REP	28260	09.45	27	06			F3E			Taxi dispatchers
REP	28277	21.22	14	06			F1B	50	270	Enagal buoy
REP	28285	09.59	11	06	RUS		F3E			Russian taxi dispatcher
REP	28575	16.38	24	06			F3E			Unid fishermen
REP	28620	11.00	23	06			FMCW			OTH radar
REP	28715	16.38	23	06	RUS		F3E			Taxi dispatcher
REP	28775	16.49	23	06	RUS		F3E			Russian taxi dispatcher
REP	28975	16.33	23	06	RUS		F3E			Russian taxi dispatcher
REP	29215	16.40	23	06	RUS		F3E			Russian taxi dispatcher
REP	29485	16.55	23	06	RUS		F3E			Russian taxi dispatcher
REP	29575	16.30	12	06	RUS		F3E			Russian taxi dispatcher

RSGB - Great Britain – M0VRR (Vaughan)

SRAL – Finland – OH2BLU (Pekka)

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	REMARKS
SRAL	7000,0	1640-1830	26. 27.	6		UiMUX	PSK2	120	2600	
SRAL	7009,0	1915	16.	6		UiMUX	PSK2	120	2600	
SRAL	7012,75	1900-0600	*	6		KGBE	F1B/A /N0N			Days: 9. 10. 14.
SRAL	7013,0	0540	19.	6		UiMUX	PSK2	120	2600	
SRAL	7013,4	1500-0700	*	6		HNWH	F1B/A /N0N			Days: 14. 16. 17. 19. 20. 21.
SRAL	7016,0	0850	15.	6		UiPTR	F1B		250	
SRAL	7020,25	0420-1930	11. 12.	6	RUS	UiPTR	F1B		250	
SRAL	7022,0	0650	19.	6		UiMUX	PSK2	120	2600	
SRAL	7031,0	1650-1910	21.	6		UiMUX	PSK2	120	2600	

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	REMARKS
SRAL	7032,0	0430,1345	11. 22	6		UiMUX	PSK2	120	2600	
SRAL	7038,7	h24	dly	6	RUS	D	A1A			Sevastopol
SRAL	7038,8	0350-1930	*	6	RUS	P	A1A			Kaliningrad, days: 1.11. 13.-15. 26. 29. 30.
SRAL	7038,9	h24	dly	6	RUS	S	A1A			Severomorsk
SRAL	7039,0	0345-1430	*	6	RUS	C	A1A			Moscow, days: 1. 4. 8. 15. 21. 25. 28.
SRAL	7040,0	0220-0330	4. 5.	6		UiCarr	N0N			
SRAL	7050,5	1015-1210/	11.	6		UiMUX	PSK2	120	2600	
SRAL	7053,0	0430,1850	14. 25.	6		UiMUX	PSK2	120	2600	
SRAL	7100,0	1100-1300	1.	6		UiMUX	PSK2	120	2600	
SRAL	7112,0	h24	26.-30.	6		UiMUX	PSK2	120	2600	
SRAL	7116,6	0215-1900	*	6		UiCarr	N0N			Brumm. Days: 3. 4. 9. 10.
SRAL	7120,0	0300-0400	dly	6	SOM	R. Hargeisa	A3E			
SRAL	7120,0	1500-1900	dly	6	SOM	R. Hargeisa	A3E			
SRAL	7120,0	1900-1930	*	6	SOM	R. Hargeisa	A3E			Days: 26. 29. 30.
SRAL	7152,5	1315	28.	6		UiPTR	F1B			
SRAL	7162,0	0700	26.	6		UiPTR	F1B			
SRAL	7166,0	0430-1800	18. 19.	6	F	UiCW	A1A			MR 5L
SRAL	7169,0	1530	28.	6		UiPTR	F1B			
SRAL	7171,0	1620-1915	8. 12.	6		UiMUX	PSK2	120	2600	
SRAL	7182 A	h24	22.-25.	6		UiCarr	N0N			7181,7 … 7182,2 kHz
SRAL	7188,0	1135-1255	16.	6		UiPTR	F1B			
SRAL	7188,0	1430-1930	30.	6		UiMUX	PSK2	120	2600	
SRAL	14008,0	0415-1020	*	6		UiPTR	F1B/ N0N		200	Days: 1. 4. 10.
SRAL	14026,0	0540-1450	*	6	RUS	UiMUX	PSK2	120	2600	Days: 15. 21. 30.
SRAL	14108,0	0655-1115	*	6	RUS	4T8B	A1A			MR 5BL, days: 1. 10.13. 17.
SRAL	14116,0	0540-1915	*	6	RUS	UiPTR	F1B		200/250	Days: 2. 9. 11.
SRAL	14118,0	0725-0845	14. 17.	6		UiMUX	PSK2/ A1A	120	2600	MR “QRJ?”
SRAL	14126,0	1020-1915	12.	6		UiMUX	PSK2	120	2600	
SRAL	14141,0	0955-1015	2.	6		UiPTR	F1B/ N0N			
SRAL	14160,0	h24	*	6	RUS	UiPTR	F1B		250	Days: 5.-10. 15. 19. 20. 21. 24.-30.
SRAL	14192,0	0530-1315	*	6	RUS	UiPTR	F1B		200	Days: 1. 2. 3. 6. 7. 15. 28.
SRAL	14221,0	1900-0500	dly	6	RUS	UiPTR	F1B		200	
SRAL	14240,0	0530-1930	*	6	RUS	UiPTR	F1B		250	Days: 5. 6. 7. 19. 20. 21.
SRAL	14242,0	0920	1.	6		UiMUX	PSK2	120	2600	
SRAL	14292,0	1145	1.	6	RUS	UiCW	A1A			5BL
SRAL	14295,1	h24	dly	6	TJK	R Tojikiston	A3E			3f 4765,07 kHz, Yangiyul TX
SRAL	14317,0	0435-1915	*	6	RUS	UiCW	A1A			MR 5BL, days: 2. 3. 5. 6. 7. 8. 9. 10. 11. 13.
SRAL	14335,0	0430-	*	6	RUS	UiMUX	PSK2	120	2600	Days: 15. 16. 18. 19. 20.

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	REMARKS
		1905								
SRAL	14 MHz	0430-1900	dly	6	RUS	29B6	FMCW			50Hz / 15 kHz
SRAL	14 MHz	0430-1930	*	6	RUS	UiOTHR	FMCW			10Hz / 15 kHz, burst, days: 1. 3. 7. 9. 11. 17. 19. 20. 24.
SRAL	18 MHz	0545-1630	*	6	CYP / TUR	UiOTHR	FMCW			50Hz / 20 kHz, days: 9. 12. 13. 17. 27.
SRAL	18080,0	0755	28.	6		UiBC	A3E			
SRAL	21 MHz	0530-1745	*	6	CYP / TUR	UiOTHR	FMCW			25/50Hz / 20 kHz, days: 1. 6. 9. 15. 16. 17.
SRAL	21438,0	0730-1545	dly	6	RUS	RCV	A1A			Procedures, volmet
SRAL	28 MHz	0545-1000	*	6	IRN	UiOTHR	FMCW			307 & 870 Hz / 60 kHz, days: 3. 15. 30.
SRAL	28 MHz	1010	15.	6	CYP / TUR	UiOTHR	FMCW			50Hz / 20 kHz
SRAL	28 MHz	0820-1145	1. 8.	6	RUS	Taxi disp.	F3E			7 reports

USKA – Switzerland – HB9CET (Peter)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH (BW)	DETAILS
USKA	7000.0	1921	11	06			N0N			long lasting carrier
USKA	7020.250	1901	11	06			F1B	81	250	
USKA	7031.0	2051	21	06			J7D	12x120	2k7	PSK-2: CIS12 = AT3004D
USKA	7038.505	1210	30	06			?			long lasting signal, short interrupts
USKA	7038.7	2037	01	06	UKR	D	A1A			Beacon D Sevastopol daily
USKA	7038.8	2036	01	06	RUS	P	A1A			Beacon P Kaliningrad daily
USKA	7038.9	2033	01	06	RUS	S	A1A			Beacon S Murmansk daily
USKA	7039.3	1937	09	06	RUS	K	A1A			Beacon K Petropavlovsk
USKA	7039.4	1941	09	06	RUS	M	A1A			Beacon M Magadan daily
USKA	7053.0	2150	14	06			J7D	12x120	2k7	PSK-4: CIS12 = AT3104D
USKA	7092.0	1609	04	06		201	MFSK8	125	1750	MIL 188-141A
USKA	7096.0	2303	19	06			B7D	75	5k83	LINK 11 CLEW DQPSK in DSB mode
USKA	7102.4	1116	03	06			A1A			no ham content, no calls
USKA	7112.0	1930	30	05	RUS		J7D	12x120	2k6	CIS12
USKA	7163.3	2155	19	06			A1A			long lasting fast dots only
USKA	7166.04	2159	18	06	FRA	FAV22	A1A	24 wpm		Letters and figures in groups of 5 NW of Paris, jammed often
USKA	7166.04	2200	18	06			A1A			several jammers (dot's or carrier)
USKA	7181.710	2312	24	06			N0N			long lasting carrier
USKA	7186.0	1930	30	06	RUS		J7D	12x120	2k6	CIS12
USKA	7197.0	2107	21	06		3151	MFSK8	125	1750	MIL 188-141A
USKA	7197.0	2056	21	06		3191	MFSK8	125	1750	MIL 188-141A
USKA	7197.0	2109	21	06		3361	MFSK8	125	1750	MIL 188-141A
USKA	7197.0	2118	21	06		3481	MFSK8	125	1750	MIL 188-141A
USKA	7197.0	2110	21	06		3601	MFSK8	125	1750	MIL 188-141A
USKA	7197.0	2114	21	06		3641	MFSK8	125	1750	MIL 188-141A
USKA	7197.0	2117	21	06		3731	MFSK8	125	1750	MIL 188-141A
USKA	7197.0	2102	21	06		8131	MFSK8	125	1750	MIL 188-141A
USKA	7197.0	2101	21	06		8141	MFSK8	125	1750	MIL 188-141A
USKA	7197.0	2116	21	06		8181	MFSK8	125	1750	MIL 188-141A
USKA	7197.0	2113	21	06		8241	MFSK8	125	1750	MIL 188-141A
USKA	14001.5	0944	05	06			BPSM QPSM	8x62.5	2k0	Clover 2000: CRC 000
USKA	14008.0	1312	30	06			F1B	50	250	
USKA	14026.0	1654	15	06			J7D	12x120	2k7	PSK-4: CIS12 = AT3104D often
USKA	14108.0	0921	07	06		T8L	A1A			also: TR8L, 9DBM, DTS4 often
USKA	14114.0	1658	12	06			FMCW	50 sps	~15k	OTHR, splatter > 20k
USKA	14116.0	0942	02	06			F1B	75	250	often
USKA	14126.0	1526	12	06			J7D	12x120	2k6	CIS12 system, mostly idling

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH (BW)	DETAILS
USKA	14139.0	1952	20	06			FMCW	50 sps	~15k	OTHR, splatter > 20k
USKA	14141.0	0946	23	06			F1B	75	500	
USKA	14160.0	0911	07	06			F1B	75	250	
USKA	14160.0	1832	19	06			F1B	50	250	idling, ACF=2
USKA	14160.125	0912	07	06			A1A			stupid Jammer, dashs and dots only; useless and illegal too
USKA	14187.0	1507	16	06			FMCW	50 sps	~15k	OTHR
USKA	14192.0	0925	01	06			F1B	50	200	CIS 50-50; idling (ACF=2) daily
USKA	14220.0	1338	17	06			FMCW	50 sps	~15k	OTHR
USKA	14221.0	2006	01	06			F1B	50	200	CIS 50-50 often
USKA	14221.0	2040	01	21			F1B	(41.77)	200	idling ACF=2
USKA	14240.0	0915	07	06			F1B	75	250	idling (ACF =2); strong
USKA	14240.0	1836	19	06			F1B		250	idling (ACF =2); strong
USKA	14260.0	1957	19	06			FMCW	50 sps	~14k	OTHR
USKA	14269.0	0709	24	06			FMCW	50 sps	~14k	OTHR
USKA	14292.8	0628	10	06			A1A			Letters and figures
USKA	14292.8	1706	12	06			PSK8		2k4	MIL 1800Hz singeltone system
USKA	14295.1	1702	12	06	TJK		A3E			3rd of Radio Tajik at 4765 kHz, daily
USKA	14317.0	2018	01	06		TGWX	A1A	18 wpm		Letters and figures in groups of 5
USKA	14344.0	2233	16	06			FMCW	66.66 sps	10k	OTHR, bursts BD ~3,8s BRI ~11.5s
USKA	14344.65	2027	01	06			PSK-8	2400	2k4	MIL 188-110A variant daily burst system, short intro ton Frame format 600 bps/short
USKA	14345.0	1631	19	06			FMCW	66.66 sps	10k	OTHR, burst system, BD ~3,8s
USKA	18150.0	0714	24	06			F1B	100	1k	harmonic of 9075 (500Hz shift)
USKA	21145.0	1417	17	06		C3	MFSK8	125	1750	MIL 188-141A
USKA	21145.0	1622	17	06		C4	MFSK8	125	1750	MIL 188-141A
USKA	21145.0	1622	17	06		aJ	MFSK8	125	1750	MIL 188-141A
USKA	21295.0	0826	02	06			FMCW	50 sps	10k	Burst system BD ~1.2s, BRI ~15s
USKA	21318.45	0951	20	06			F1B	600	600	ARQ system often
USKA	21438.0	0944	07	06		RCV	A1A			letters and figures daily
USKA	29450.0	0846	08	06			F1B	81.92	140	Datawell buoy daily

Veron 1 – Netherlands – PA2GRU (Dick)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
VERON	7020,0	20.20	11	6		UiPtr	F1B		250	Ptr
VERON	7038,7	10.48	23	6	UKR	D	A1A			beacon
VERON	7038,7	17.38	13	6	UKR	D	A1A			D-beacon
VERON	7038,8	17.38	13	6	RUS	P	A1A			P-beacon
VERON	7039,9	17.38	13	6	RUS	S	A1A			S-beacon
VERON	7055,0	19.00	25	6		UiBC	A3E			Russian songs…….
VERON	7111,5	22.07	28	6		UiMux	FSK8		2k4	
VERON	7117,0	18.45	3	6		UiCAR	NON			strong carrier
VERON	7120,0	18.44	3	6	SOM	R.Har	A3E			speech and music
VERON	7120,0	18.51	25	6	SOM	R.Har	A3E			speech and music
VERON	7125,0	20.12	28	6		UiMUX	PSK			12 MPSK AT3004D
VERON	10118,0	08.28	10	6		UiPTR	F1B			Ptr
VERON	10131,0	09.15	18	6		UiPTR	F1B			Ptr
VERON	10143,0	11.57	19	6		UiPTR	F1B			Ptr
VERON	14008,0	08.46	1	6	CIS	UiPTR	F1B			Carrier/Revs/Ptr
VERON	14026,0	07.15	15	6	RUS	UiMUX	PSK			12 MPSK AT3004D
VERON	14108,0	11.05	10	6	CIS	TR8L	A1A			5BL (ending: 505 rpt al k)
VERON	14108,0	11.13	10	6	CIS	TR8L	A1A			Y1CQ QTC ZKT ar
VERON	14108,0	11.17	10	6	CIS	TR8L	A1A			275 20 10 1504 275 = ZKT 150 = 5BL
VERON	14108,0	11.21	10	6	CIS	TR8L	A1A			Calls to: MZQF 4MTT 2AQY MRPR
VERON	14108,0	11.25	10	6	CIS	TR8L	A1A			Calls to: V98C 9DBM DTS4 r 275 ? K
VERON	14108,0	08.58	11	6	CIS	4T8B	A1A			Calls to: GRW8 GSVH MH2P MKIJ
VERON	14108,0	09.14	13	6	CIS	4T8B	A1A			Y1CQ QTC ZHZ ar
VERON	14108,0	09.18	13	6	CIS	4T8B	A1A			824 24 13 1… 824 = ZHZ

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
										470 = 5BL
VERON	14108,0	09.24	13	6	CIS	4T8B	A1A			Calls to: GSVH MH2P MKIJ O9FF GSZW
VERON	14108,0	09.11	18	6	CIS	4T8B	A1A			GSZW de 4T8B QTC k
VERON	14108,0	09.13	18	6	CIS	4T8B	A1A			975 17 18 1306 975 = 897 = 5BL
VERON	14108,0	08.45	25	6	CIS	NMWN	A1A			KQNL de NMWN ZAR ZAB ZJR QYT6 k
VERON	14108,0	06.01	2	6	CIS	TR8L	A1A			2AQY DE TR8L QTC 012 16 2 0908 012 BT
VERON	14108,0	06.01	2	6	CIS	TR8L	A1A			793 BT (5BL) 169 RPT AL K
VERON	14108,0	06.01	2	6	CIS	TR8L	A1A			(plus "amateur" trying "russian pirate" to qsy
VERON	14108,0	06.00	11	6	RUS	4T8B	A1A			GSVH DE 4T8B proc
VERON	14108,0	06.02	11	6	RUS	4T8B	A1A			MH2P DE 4T8B proc
VERON	14108,0	06.03	11	6	RUS	4T8B	A1A			MKIJ DE 4T8B proc
VERON	14108,0	06.08	11	6	RUS	4T8B	A1A			O9FF DE 4T8B proc
VERON	14108,00	06.09	11	6	RUS	4T8B	A1A			AE8S DE 4T8B proc
VERON	14108,0	06.10	11	6	RUS	4T8B	A1A			GSZW DE 4T8B proc
VERON	14108,0	05.00	12	6	RUS	4T8B	A1A			AE8S DE 4T8B QTC 055 20 12 0850 055
VERON	14108,0	05.07	16	6	RUS	4T8B	A1A			AE8S DE 4T8B QTC ZJD K
VERON	14108,0	05.56	26	6	RUS	8VDU	A1A			H9KH DE 8VDU ZAQ ZAB ZQB QYT6 K
VERON	14116,0	08.36	11	6		UiPTR	F1B			Ptr
VERON	14118,0	08.35	17	6	RUS	UiMUX	PSK			12 MPSK AT3004D
VERON	14126,0	19.53	11	6		OTHR	FMCW			radar
VERON	14127,0	10.34	20	6		OTHR	FMCW			radar
VERON	14151,0	09.06	24	6		UiPTR	F1B			Revs
VERON	14160,0	10.35	20	6	RUS	UiPtr	F1B		250	South Russia(many hours)
VERON	14160,00	vt	dly	6	RUS	UiPtr	F1B		250	loc. Orenburg
VERON	14160,0	vt	vd	6	RUS	UiPTR	F1B			Ptr (many days on air)
VERON	14160,0	vt	vd	6	RUS	UiPtr	F1B	75	250	Loc: Orenburg
VERON	14185,0	06.14	23	6	E	UiILL	J3e-U			Spanish, male voices
VERON	14212,5	08.51	1	6		UiPTR	F1B			Revs
VERON	14218,0	09.46	11	6		OTHR	FMCW			radar
VERON	14220,0	19.49	28	6		UiPtr	F1B			Ptr
VERON	14221,0	19.38	28	6		UiPtr	F1B		200	Idling; bad modulation
VERON	14240,0	11.34	5	6		UiPTR	F1B			Ptr (also 19/6 09.03 UTC)
VERON	14240,0	14.45	5	6	RUS	UiPtr	F1B	75	250	
VERON	14244,0	13.54	28	6		OTHR	FMCW			radar
VERON	14275,0	11.34	29	6		UiOTHR	FMCW		20k	50sps
VERON	14295,0	17.24	7	6		UiCar				Wobbling carrier
VERON	18095,0	07.24	30	6		OTHR	FMCW			radar
VERON	18147,0	09.38	8	6						Frequency hopper
VERON	18149,0	12.32	7	6						Frequency hopper
VERON	18169,0	17.15	7	6		UiOTHR	FMCW		20k	50sps; disturbing part of 17m band
VERON	21263,0	10.36	29	6						Frequency hopper
VERON	21275,0	13.02	28	6						Frequency hopper
VERON	21438,0	08.29	11	6	RUS	RCV	A1A			RLD69 de RCV QYT9 QWH 12754 no k
VERON	21438,0	08.31	11	6	RUS	RCV	A1A			RHL80 de RCV QYT4 QWH 6452 k
VERON	21438,0	08.33	11	6	RUS	RCV	A1A			RBE86 de RCV QTC 523 Nawip 048 1285
VERON	21438,0	08.38	11	6	RUS	RCV	A1A			RLD69 de RCV QYT9 QSX 11733 k
VERON	21438,0	08.41	11	6	RUS	RCV	A1A			RHL80 de RCV QYT4 QWH 13971 k
VERON	21438,0	08.44	11	6	RUS	RCV	A1A			RIP90 de RCV QTC 464 Nawip 032 1280
VERON	21438,0	08.54	11	6	RUS	RCV	A1A			RIP90 de RCV QTC 461 Nawip 033 1269
VERON	21438,0	14.31	4	6	RUS	RCV	A1A			RBE86 DE RCV QTC 520

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
										36 4 1406 520
VERON	21438,0	14.31	4	6	RUS	RCV	A1A			BT NAWAREA (etc)
VERON	21438,0	07.07	26	6	RUS	RCV	A1A			RHV42 DE RCV QYT4 QCM K / proc
VERON	28598,0	11.34	8	6		UiOTHR	FMCW		20k	33,3 sps
VERON	28600,0	13.47	8	6	IRN	OTHR	FMCW		60k	307 & 870sps, alternating

The monitoring team of IARU Region 1

credits:

Wavecom Elektronik – Buelach – Switzerland

German PTT (BNetzA = Federal Network Agency)

Many thanks for your interest!

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