



Monitoring System

DK2OM – Wolf Hadel
Co-ordinator of IARUMS Region 1
Editor of the Newsletter

DJ9KR – Uli Bihlmayer
Vice Co-ordinator of IARUMS Region 1
Editor of the German Overview

The monthly newsletter for Region 1

March 2011

The members of the IARUMS Region 1 Monitoring Team:



Acknowledgements

++ ARI: DH7SA – Salvatore ++ ARSK: 5Z4NU - Ted ++ DARC: DJ9KR - Uli ++ EARA: SU1SA - Sayed
++ IRTS: EI4GXB - Ger ++ KARS: 9K2RR – Faisal ++ MARL: 9H1M – Dominic ++ MRASZ: HA7PL - Laci ++
++ NARS: 5N9AYM – Yusuf ++ OEVS: OE3DMA – Alex ++ PZK: SP3SUZ – Wladyslaw ++ RAL: OD5MV – Hani ++
++ REP: CT4AN – Jose ++ RSGB: G4BOH - Chris ++ SARL: ZS1FCS - Fred ++
++ SRAL: OH2BLU - Pekka ++ URE: EA5DY - Salvador ++ USKA: HB9CET - Peter ++ VERON: PA0GRU - Dick ++
++ ZRS: S56ZDB – Darko ++ G3VZV – Graham (satellite intrusions) ++ TG9AJR – Juan (Co-ordinator Region 2) ++
++ VK3MV – Peter (Co-ordinator Region 3) ++ DF8FE – Martin (Webmaster assistance) ++ DL8AAM (ALE) ++
++ DJ7KG (BUOYS) ++ DF5SX (BC) ++ DARC (server support) ++ IARU Region 1 assistance ++
++ PB2T – Hans (IARU R1 President) ++ G3PSM - Colin (EC-IARU-R1) ++ German PTT (BNetzA) ++

Part 1: News and infos

Part 2: Detailed reports from the national co-ordinators

Part 1: News and Infos

1. Yakhta again on 21 MHz

The Russian vocoder system “Yakhta” appeared again on 21001.5 kHz. Parameters: F1B inband key synchro with 100 Bd and 150 Hz shift. The F1B was daily active, sometimes the voice encryption audible, too. The German PTT filed another complaint. The system was also active on the same QRG for a long time in 2010. [Observe the screenshot below!](#)

2. Brazilian pirates on 28 MHz

Due to raising conditions Brazilian CB-like traffic in AM was often audible between 28000 and 28305 kHz in the evening hours. Nothing has changed there. The Brazilian PTT “Anatal” seems not to be interested to keep these people away from our 10m-band.

3. Moroccan fishery on 21 MHz

DJ9KR heard Moroccan fishery on 21 MHz in USB. He found out the ship names and other details more. The ships are registered in Agadir, Morocco. Uli informed the Moroccan Amateur Association.

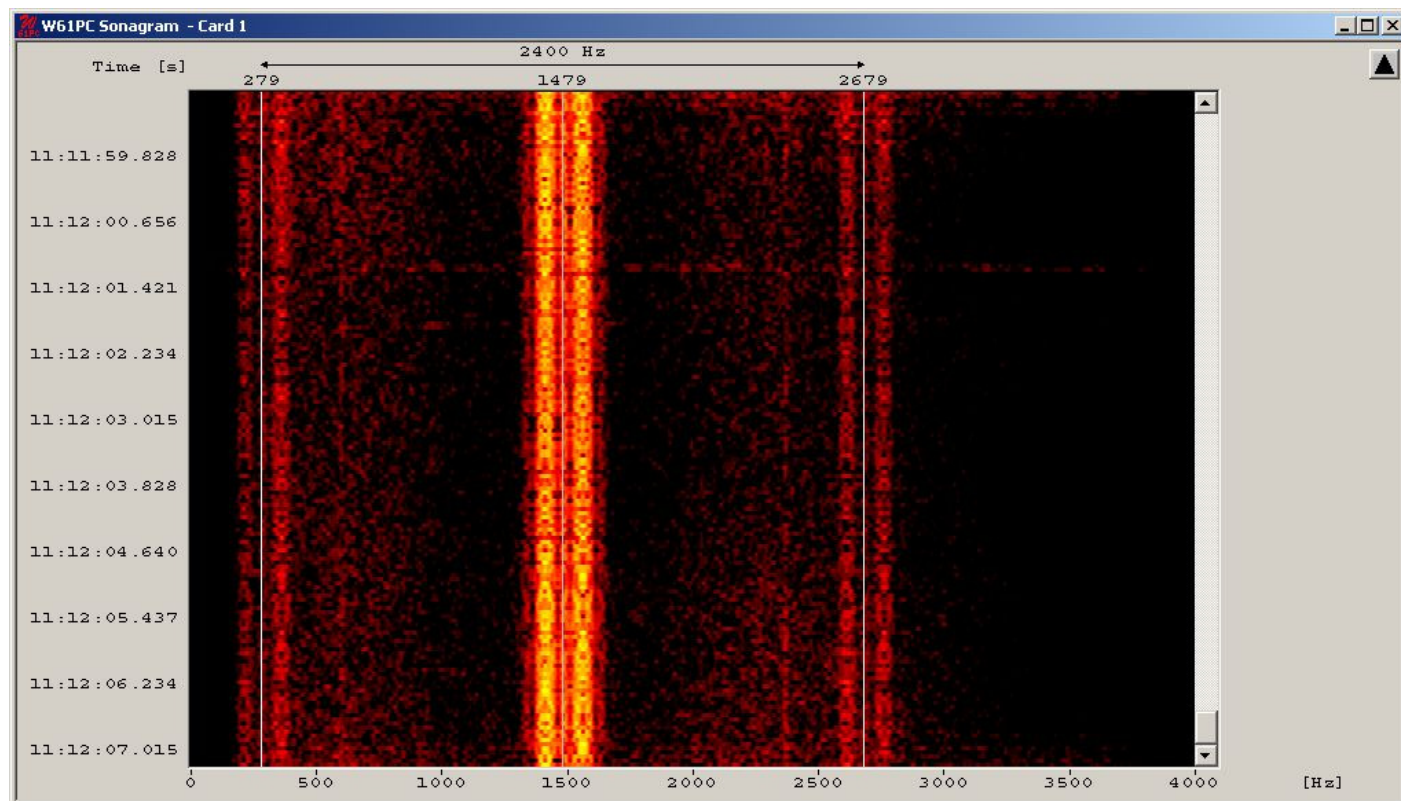
4. Turkish Stanag4285 back on 10 MHz

The MIL system Stanag4285 was again active on **10112 MHz** after a long break. Parameters: 2400 Bd, 2400 Hz shift, PSK8, continuous transmission – location: Izmir, Turkey – legal operation! Our 10 MHz-band is a shared band!

5. Radio China International on 7160 kHz – reported by DJ9KR

On March 23, 2011, from 1800 - 2000 UTC Radio China (CHN) was transmitting a program in French language on 7160 kHz. Signal strength was S9+30dB with a dipole antenna in the shack of DJ9KR in Tuebingen, southern Germany. DARC Monitoring System knows that the transmitter was located near Split, Croatia (HRV). Radio China was not heard after on 7160 kHz. DJ9KR info!

**The sonagram shows the inband F1B synchro from the vocoder “Yakhta”.
Parameters: 100 Bd, 150 Hz shift – spurious transmissions also visible –
location: Nizhny Tagil, area of Jekaterinburg, Russia
Sonagram by DK2OM with Wavecom W61 in March 2011.**



7. Homepage IARU Region 1 <http://www.iaru-r1.org/>
Homepage IARUMS Region 1 <http://www.iarums-r1.org>
Homepage IARUMS Region 2 <http://www.intruder-watch.org/>
Homepage IARUMS Region 3 <http://www.iaru-r3.org/ms/>

Part 2: Detailed reports from the national Co-ordinators

DD = day *** MM = month *** dly = daily *** vt = various times *** vd = various days *** pps = pulses per second (radar systems) *** 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 *** MPSK12 (J7D) = 12 channel phase shift keying *** 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

ARSK MONITORING OVERVIEW FOR MARCH 2011

My computer recording the monitoring was hit by a series of power cuts and surges at the end of March, which blew up the UPS and destroyed my data for the month. A few Somalia stations, the usual intruders from Sudan and Francophone Central Africa and the Khartoum broadcast on 7200 kHz were heard but I am left with no current details. No intruders were heard from within Kenya borders.

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

ARSK – Kenya – 5Z4NU (Ted)

not available

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

CLUB	kHz	UTC	DD	MM	ITU	Call Sign	MODE	BD	SH	Remarks and Comments
DARC	1811,0	2220	25	03		UiILL	A3E			voice traffic in AM, unstable carrier
DARC	3500,0	2230	17	03	CIS	UiCL	A3E			Clandestine BC, carrier unstable
DARC	3500,0	1957	19	03	HOL	UiILL	J3E-U			Dutch fishery
DARC	3500,0	vt	vd	03	E	UiILL	J3E-U			Spanish fishery heard 01 17 21 22 1t 1925, 2130, 2030, 2213
DARC	3500,0	vt	vd	03	N.Eu	UiILL	J3E-U			Scandinavians heard 18 22 at 2118, 2230
DARC	3501,0	vt	vd	03	CIS	UiCL	A3E			Clandestine BC, carrier unstable, heard 17 23 at 2242, 2134
DARC	3501,4	2240	14	03	CIS	UiCL	A3E			voice traffic in AM, Russian voice, unstable carrier
DARC	3502,0	2140	03	03		UiILL	A3E			pirates playing music, very unstable carrier
DARC	3503,5	2041	18	03	CIS	UiILL	A3E			Clandestine BC, carrier unstable
DARC	3504,5	2030	12	03	CIS	UiILL	A3E			CIS pirates in A3E / BC
DARC	3506,0	2217	10	03	RUS	UiILL	A3E			illegal voice traffic, Russian voice, reprod. music, distorted
DARC	3506,3	2026	14	03	SRB	UiCL	A3E			reprod. music, location SW of Belgrade
DARC	3508,0	2226	10	03	RUS	UiILL	A3E			illegal voice traffic, Russian voice, reprod. music, distorted
DARC	3510,0	2220	04	03	E	UiILL	J3E-U			Spanish fishery
DARC	3510,0	2147	17	03	CIS	UiCL	A3E			Clandestine BC, carrier unstable
DARC	3511,0	2149	17	03	CIS	UiCL	A3E			Clandestine BC, carrier unstable
DARC	3515,7	2248	14	03	CIS	UiCL	A3E			voice traffic in AM, Russian

CLUB	kHz	UTC	DD	MM	ITU	Call Sign	MODE	BD	SH	Remarks and Comments
										voice, unstable carrier
DARC	3517,3	2030	04	03	E	UiILL	J3E-L			Spanish fishery
DARC	3520,0	1735	22	03	CIS	UiILL	J3E-U			woman in Russian voice
DARC	3522,0	1851	06	03	RUS	UiILL	J3E-U			male net in Russian voice
DARC	3522,0	2134	23	03	CIS	UiILL	J3E-U			net in Russian voice
DARC	3525,0	1612	29	03	HOL	UiILL	J3E-U			Dutch fishery
DARC	3526,0	2111	11	03		UiILL	A3E			pirate in AM
DARC	3529,0	2138	18	03	CIS	UiCL	A3E			Clandestine BC, carrier unstable
DARC	3535,0	1846	01	03	HOL	UiILL	J3E-U			Dutch fishery
DARC	3535,5	vt	vd	03	E	UiILL	J3E-U			Spanish fishery heard 04 05 22 at 2045, 2050, 2040
DARC	3540,0	2103	26	03	G	UiILL	J3E-U			UK fishery
DARC	3545,0	1927	01	03	N.Eu	UiILL	J3E-U			Scandinavians
DARC	3545,0	1935	01	03		UiILL	J3E-U			unid voices with scrambler
DARC	3550,0	2110	11	03	G	UiILL	J3E-U			UK fishery
DARC	3550,0	0701	18	03	F	French Lis Amateurs	A3E			French lis hams in A3E
DARC	3550,0	0810	22	03	F	French Lis Amateurs	A3E			French amateurs, daily
DARC	3550,0	0807	23	03	F	French Lis Amateurs	A3E			French lis amateurs, AM in CW-section, pas bon!
DARC	3550,0	1744	24	03	G	UiILL	J3E-U			UK fishery
DARC	3550,0	0841	25	03	F	French Lis Amateurs	A3E			French lis amateurs, AM in CW-section, pas bon!
DARC	3550,0	0736	26	03	F	F1APJ, F6AAY	A3E			Christophe and Jean-Charles, net of French lis amateurs, AM in CW section, pas bon!
DARC	3550,0	0603	31	03	F	F6AQK	A3E			OP Jean-Pierre - AM in CW section pas bon!
DARC	3564,5	1747	12	03	RUS	UiILL	J3E-U			Russian voice, poss. MIL
DARC	3570,0	2050	03	03	F	UiILL	J3E-U			French fishery
DARC	3574,0	2105	04	03	E	UiILL	J3E-U			Spanish fishery
DARC	7000,0	1745	02	03		UiILL	J3E-U			unid pirates
DARC	7000,0	1708	03	03	E	UiILL	J3E-U			Spanish fishery
DARC	7000,0	1932	03	03	E	UiILL	J3E-U			Spanish fishery with vocoder CRY-2001
DARC	7000,0	1717	11	03	F.Ea	UiILL	J3E-U			Far East pirates, possibly from INS
DARC	7000,0	2147	18	03	CIS	UiCL	A3E			Clandestine BC, harmonic of 3500?
DARC	7000,0	0031	31	03		UiMUX	FSK			ALE heard
DARC	7000,0	vt	vd	03	F.Ea	UiILL	J3E-U			Far East pirates heard 03 07 16 at 1730, 1840, 1615
DARC	7000,7	2202	18	03		UiCAR	N0N			long lasting carrier
DARC	7001,5	2223	04	03	E	UiILL	J3E-U			Spanish fishery
DARC	7003,0	1504	29	03		UiPTR	F1B		1000	unid printer
DARC	7005,5	1453	02	03	GEO	UiILL	J3E-U			voice scrambler "YAKHTA", area of Georgia
DARC	7009,0	2055	30	03	RUS	UiBC	A3E			Ru px, church bells ringing 2058 - 2100 - is BC-IM
DARC	7009,0	2140	31	03		UiBC	A3E			Ru px, IM
DARC	7038,7	1505	29	03	RUS	beacon D	A1A			beacon Sevastopol
DARC	7038,9	1505	29	03	RUS	beacon S	A1A			beacon Murmansk
DARC	7039,0	1505	29	03	RUS	beacon C	A1A			beacon Moscow
DARC	7040,0	1505	29	03		OK0EA	A1A			not coordinated beacon "OK0EA 2 times followed by long carrier"
DARC	7100,0	1834	16	03		UiBC	A3E			
DARC	7105,0	vt	18	03	TWN	Sound of Hope	A3E			Chinese px under heavy jam / R.China - 2200 - 2300
DARC	7105,0	vt	18	03	CHN	Radio China	A3E			Chinese px to jam Sound of Hope - 2200 - 2300
DARC	7105,0	vt	23	03	TUN	RTV Tunisia	A3E			Ar px heard 1842 - 2005, fundamental found on 7225
DARC	7105,0	vt	24	03	CHN	R. China	A3E			Chinese px 2200 - 2300 to jam Sound-of-Hope

CLUB	kHz	UTC	DD	MM	ITU	Call Sign	MODE	BD	SH	Remarks and Comments
DARC	7105,0	vt	24	03	TWN	Sound of Hope	A3E			Chinese px 2200 - 2300 jammed by R. China
DARC	7105,0	2048	29	03	TUN	RTV Tunisia	A3E			Ar px, S8, found // 7225
DARC	7105,0	2055	30	03	TUN	RTV Tunisia	A3E			Ar px, S8, found // 7225
DARC	7120,0	1644	08	03	ETH	ETH Govt. Jammer	JAM			white noise jammer on VOBME
DARC	7120,0	1648	24	03	ETH	ETH Govt. Jammer	JAM			white noise jammer on VOBME
DARC	7120,0	1718	24	03	ETH	VOBME	A3E			weak signal
DARC	7120,0	0250	25	03	ERI	VOBME	A3E			jingle with ann: "Eritriya", Arabic px sign on
DARC	7120,0	vt	vd	03	ERI	VOBME	A3E			BC heard
DARC	7125,0	1842	23	03	GUI	R.Conakry	A3E			weak signal
DARC	7125,0	vt	24	03	GUI	R.Conakry	A3E			Ar px heard 0604 - 0704
DARC	7125,0	0711	25	03		UiBC	A3E			weak signal
DARC	7125,0	1641	25	03	ETH	ETH Govt. Jammer	JAM			white noise jammer on VOBME
DARC	7130,0	1726	31	03	ERI	VOBME	A3E			Ar px, S9
DARC	7130,0	vt	dly	03	ERI	VOBME	A3E			all transmissions // 7150, 7175
DARC	7135,0	1540	24	03	ETH	ETH Govt. Jammer	JAM			white noise jammer on VOBME
DARC	7149,0	vt	24	03	RUS	RMW-40-6	J3E-U			RMW-sorok-shest - Ru female with net, is headquarters - heard 0704 - 0800
DARC	7149,0	vt	24	03	RUS	RMH-8-10-1	J3E-U			RMH-woshim-deset-odin - Ru traffic 0704 - 0800
DARC	7149,0	vt	24	03	RUS	RMH-8-10-5	J3E-U			RMH-woshim-deset-pyat - Ru traffic 0704 - 0800
DARC	7149,0	vt	24	03	RUS	RMH-8-10-3	J3E-U			RMH-woshim-deset-tri - Ru traffic 0704 - 0800
DARC	7155,0	vt	dly	03	ERI	VOBME	A3E			all transmissions // 7120, 7130, 7175 - Ar program
DARC	7160,0	vt	23	03	HRV	R.China Intl.	A3E			French px S9+30, heard 1702 - 1935, 2000: nil - location is Split
DARC	7164,0	1641	25	03	CIS	UiILL	J3E-U			test counts in Russian male voice
DARC	7165,0	1648	24	03	ERI	VOBME	A3E			Vernacular px, S8
DARC	7165,0	0250	25	03	ERI	VOBME	A3E			jingle with ann: "Eritriya", Arabic px sign on
DARC	7165,0	vt	dly	03	ERI	VOBME	A3E			found // 7120, 7175, 7185
DARC	7175,0	1802	23	03		UiBC	A3E			s/off at 1802
DARC	7175,0	0250	25	03	ERI	V.o.Broad Masses	A3E			jingle with ann: "Eritriya", Arabic px sign on
DARC	7175,0	1726	31	03	ERI	VOBME	A3E			Ar px, S9, weak modulation
	7175,0	vt	dly	03	ERI	VOBME	A3E			found // 7120, 7165, 7185
DARC	7179,0	2202	18	03	RUS	R.Russia	A3E			Russian program, IM 6090 x 1089, heard all month 2100 - 2233, 17 reports all month
DARC	7179,0	2210	24	03	RUS	V.o.Russia	A3E			Ru px, is IM
DARC	7179,0	2126	25	03	RUS	V.o.Russia	A3E			Ru px, is IM
DARC	7179,0	vt	dly	03	RUS	V.o.Russia	A3E			is IM of 6090 and 1089, station Krasnodar-Armavir - report of "knitting pattern" by DL5SX
DARC	7180,0	2006	23	03		UiBC	A3E			very weak signal
DARC	7185,0	vt	dly	03	ERI	VOBME	A3E			found // 7120, 7165, 7175, 7185
DARC	7189,7	0145	26	03	CLN	SLBC Sri Lanka	A3E			Vernacular px, S8
DARC	7189,7	0028	31	03	CLN	SLBC Sri Lanka	A3E			Vernacular px, S8
DARC	7190,0	2006	23	03		UiBC	A3E			
DARC	7190,0	vt	dly	03	I	Italian Lis Amateurs	A3E			active in AM, common frequency!
DARC	7200,0	1834	16	03	SDN	R.Omdurman	A3E			Ar px

CLUB	kHz	UTC	DD	MM	ITU	Call Sign	MODE	BD	SH	Remarks and Comments
DARC	7200,0	2111	19	03	IRN	V.o.IRIB	A3E			Spanish px
DARC	7200,0	vt	23	03	SDN	R.Omdurman	A3E			Ar px heard 1842 - 2007
DARC	7200,0	1648	24	03	IRN	V.o.IRIB	A3E			is active
DARC	7200,0	0250	25	03	SDN	R.Omdurman	A3E			Ar px with Holy Al-Qur' an recitals
DARC	7200,0	1641	25	03	IRN	V.o.IRIB	A3E			Farsi px heard 1641 - 1715
DARC	7200,0	vt	25	03	IRN	V.o.IRIB	A3E			Spanish px heard 2122 - 2129 s/off
DARC	7200,0	vt	dly	03	SDN	R.Omdurman	A3E			ILG-B10 says - sked: 0245 - 2300, 2300 - 0230 - Arabic program
DARC	7200,0	vt	dly	03	IRN	V.o.IRIB	A3E			1600 - 1730: Tajik program
DARC	7200,0	vt	dly	03	IRN	V.o.IRIB	A3E			1730 - 1830: Bosnian program
DARC	7200,0	vt	dly	03	IRN	V.o.IRIB	A3E			2030 - 2130: Spanish program (for Europe) - pse hit http://spanish.irib.ir/home/frecuencia
	7200,0	vt	x	04	IRN	V.o.IRIB	A3E			V.o.IRIB was not heard in April 2011
DARC	10115,0	1520	11	03		UiILL	J3E-U			voice traffic, Arabic language, from 10125
DARC	10122,5	1451	29	03	G	UiILL	J3E-U			2 male persons in plain English voice, "over"
DARC	10122,5	vt	29	03	G	UiILL	J3E-U			2 male persons in English voice, "f...ing" often used, is fishery - heard 0808 - 0814 s/off
DARC	10125,0	1516	11	03		UiILL	J3E-U			voice traffic, Arabic language, to 10115
DARC	10127,2	0603	31	03	E	UiILL	J3E-U			2 male persons in Spanish language
DARC	10130,0	2120	06	03	POR	UiILL	J3E-U			male net in Portuguese voice
DARC	10132,8	1529	11	03	SRB	UiCL	A3E			voice and music traffic, location N.Ea of Belgrade, SRB
DARC	10150,0	1643	10	03	E	UiILL	J3E-U			Spanish fishery
DARC	10150,0	1540	11	03	E	UiILL	J3E-U			Galician fishermen
DARC	14000,0	0956	07	03		UiILL	J3E-U			MIL net in Arabic voice, CODAN beeps, QTE 120 degs.
DARC	14000,0	1420	11	03	INS	UiILL	J3E-U			Indonesian pirates
DARC	14000,0	1438	23	03	F.Ea	UiILL	J3E-U			Far East pirates
DARC	14000,0	0711	24	03		UiBC	A3E			BC, IM
DARC	14000,0	1923	24	03	KOR	UiILL	J3E-U			Korean ships
DARC	14000,0	0845	27	03	Af	UiILL	J3E-U			unid pirate net, male to female, NW-Africa
DARC	14000,0	1924	27	03	KOR	UiILL	J3E-U			unid pirates, strong, QTE 220 degs, Korean ships
DARC	14000,0	vt	vd	03	MRC	UiILL	J3E-U			Moroccan fishery heard 05 06 at 1124, 0856
DARC	14002,2	vt	15 0703 and 2045	03	Af	UiILL	J3E-U			African tribal language, Arabic, also French, heard 0703 and 2045
DARC	14016,0	vt	16	03	CIS	RFU	F1A			hand keyed "QSY 11427", later "QSY 10177" and "QSY 11427", call "RFU" used - heard 0700 - 0710 - report DL3XZ
DARC	14016,0	0700	18	03	CIS	UiCW	F1A			hand keyed CW report DL3XZ
DARC	14017,0	0705	21	03	CIS	RFU	F1B			printer heard with short test - report DL3XZ
DARC	14021,0	0650	24	03		UiBC	A3E			BC heard, weak signal - report DL3XZ
DARC	14045,0	0840	14	03		UiILL	J3E-U			unid pirate net

CLUB	kHz	UTC	DD	MM	ITU	Call Sign	MODE	BD	SH	Remarks and Comments
DARC	14067,5	1457	29	03		UiILL	J3E-U			2 male persons in Arabic voice, S9
DARC	14295,1	ady	dly	03	TJK	R.Tajikistan	A3E			3rd harmonic from 4765
DARC	21000,0	1430	02	03	SDN	UiILL	J3E-U			SDN MFA calling embassy in Yemen
DARC	21001,5	ady	dly	03	RUS	UiPTR	F1B	100		Yakhta synchro Yekaterinburg
DARC	21002,0	1225	12	03	S.As	UiILL	J3E-L			male person in Sinhala language
DARC	21002,1	vt	vd	03	S.As	UiILL	J3E-L			fishery traffic in Sinhala language, heard 05 06 at 1111, 1340
DARC	21007,7	1114	05	03	S.As	UiILL	J3E-L			fishery traffic in Sinhala language
DARC	21024,0	0910	29	03		UiPTR	F1B			unid printer
DARC	21056,8	0920	29	03	S.As	UiILL	J3E-U			2 male persons, S.As. Language, QTE Tuebingen 225 degs.
DARC	21056,8	1338	31	03	S.As	UiILL	J3E-U			2 male persons, S.As voice, fishery?
DARC	21101,0	1007	31	03		UiPTR	F1B			unid printer, is 2nd harmonic
DARC	21182,3	1720	25	03	MRC	UiILL	J3E-U			2 male persons in Moroccan Arabic
DARC	21305,0	1359	31	03		UiBC	A3E			Ar px found // 21505
DARC	21343,0	1400	31	03		UiMUX	XXX			roaring noise, is multiplex signal
DARC	21400,0	vt	21	03	MRC	vessel "Alic Bac 3"	J3E-U			2 male persons in Spanish language, Ops Antonio and José-Luis, Moroccan fishing vessel "Alic Bac 3", ident "CNA-8795", off the coast of Mauretania - heard 1016 - 1023
DARC	21401,0	0905	08	02		UiPTR	F1B		2000	is harmonic of 10700,5
DARC	21405,0	1359	31	03		UiBC	A3E			connected with 21305?
DARC	21410,0	0709	25	03	RUS	UiPTR	F1B		2000	unid printer, is 2nd harmonic
DARC	21424,0	0905	08	02		UiPTR	F1B			is harmonic of 10712
DARC	28005,0	1110	10	03	CIS	Taxi Cabs	F3E			taxi traffic, Russian voice, female at base station, male in taxi
DARC	28005,0	1856	29	03	B	UiILL	A3E			CB-ers
DARC	28015,0	1136	10	03	CIS	Taxi Cabs	F3E			taxi traffic, Russian voice, female at base station, male in taxi
DARC	28015,0	1856	29	03	B	UiILL	A3E			CB-ers
DARC	28035,0	1111	10	03	CIS	Taxi Cabs	F3E			taxi traffic, Russian voice, female at base station, male in taxi
DARC	28035,0	1803	25	03	B	UiILL	A3E			CB-ers
DARC	28044,7	1731	25	03	B	UiILL	J3E-U			CB-ers
DARC	28055,0	1104	09	03	CIS	Taxi Cabs	F3E			taxi traffic, Russian voice, female at base station
DARC	28063,9	1728	25	03	B	UiILL	J3E-U			CB-ers
DARC	28084,5	1927	27	03	B	UiILL	A3E			CB-ers in AM
DARC	28085,0	1111	09	03	CIS	Taxi Cabs	F3E			taxi traffic, Russian voice, female at base station, male in taxi
DARC	28085,5	1855	29	03	B	UiILL	A3E			CB-ers
DARC	28105,0	1037	10	03	CIS	Taxi Cabs	F3E			taxi traffic, Russian voice, female at base station, male in taxi
DARC	28135,0	vt	vd	03	CIS	Taxi Cabs	F3E			taxi traffic, Russian voice, female at base station, heard 09 10 at 1109, 1038
DARC	28145,0	1042	10	03	CIS	Taxi Cabs	F3E			taxi traffic, Russian voice, female at base station, male in taxi

CLUB	kHz	UTC	DD	MM	ITU	Call Sign	MODE	BD	SH	Remarks and Comments
DARC	28150,0	1111	09	03	CIS	Taxi Cabs	F3E			taxi traffic, Russian voice, female at base station, male in taxi
DARC	28155,0	1652	14	03	E	UiILL	A3E			Spanish CB-ers
DARC	28155,0	1821	25	03	B	UiILL	A3E			CB-ers
DARC	28170,0	1113	10	03	CIS	Taxi Cabs	F3E			taxi traffic, Russian voice, female at base station, male in taxi
DARC	28195,0	vt	vd	03	CIS	Taxi Cabs	F3E			taxi traffic, Russian voice, female at base station, heard 09 10 at 1106, 1042
DARC	28214,0	1855	29	03	B	UiILL	A3E			CB-ers
DARC	28225,0	1038	10	03	CIS	Taxi Cabs	F3E			taxi traffic, Russian voice, female at base station, male in taxi
DARC	28235,0	1112	09	03	CIS	Taxi Cabs	F3E			taxi traffic, Russian voice, female at base station, male in taxi
DARC	28235,0	1114	09	03	CIS	Taxi Cabs	F3E			taxi traffic, Russian voice, female at base station, male in taxi
DARC	28235,0	1736	25	03	B	UiILL	J3E-U			CB-ers
DARC	28251,0	1828	25	03	B	UiILL	A3E			CB-ers
DARC	28265,0	1845	29	03	B	UiILL	A3E			CB-ers
DARC	28275,0	1038	10	03	CIS	Taxi Cabs	F3E			taxi traffic, Russian voice, female at base station, male in taxi
DARC	28280,0	1113	09	03	CIS	Taxi Cabs	F3E			taxi traffic, Russian voice, female at base station, male in taxi
DARC	28305,0	vt	vd	03	B	UiILL	A3E			CB-ers heard 25 29 at 1749, 1858
DARC	28323,0	1701	14	03	E	UiILL	A3E			Spanish CB-ers
DARC	28435,0	1551	30	03	CIS	UiILL	F3E			female voice in Russian, FM used
DARC	28675,0	1114	10	03	CIS	Taxi Cabs	F3E			taxi traffic, Russian voice, female at base station, male in taxi
DARC	28705,0	1105	09	03	CIS	Taxi Cabs	F3E			taxi traffic, Russian voice, female at base station
DARC	28705,0	1134	10	03	CIS	Taxi Cabs	F3E			taxi traffic, Russian voice, female at base station, male in taxi
DARC	28825,0	1116	09	03	CIS	Taxi Cabs	F3E			taxi traffic, Russian voice, female at base station, male in taxi
DARC	28835,0	1040	10	03	CIS	Taxi Cabs	F3E			taxi traffic, Russian voice, female at base station, male in taxi
DARC	28845,0	1112	09	03	CIS	Taxi Cabs	F3E			taxi traffic, Russian voice, female at base station, male in taxi
DARC	28935,0	1115	09	03	CIS	Taxi Cabs	F3E			taxi traffic, Russian voice, female at base station, male in taxi
DARC	29025,0	1107	09	03	CIS	Taxi Cabs	F3E			taxi traffic, Russian voice, female at base station
DARC	29225,0	1135	10	03	CIS	Taxi Cabs	F3E			taxi traffic, Russian voice, female at base station, male in taxi

DARC 2 – Germany - DK2OM (Wolf)**PSE observe:****FSK transmissions -> center frequency between mark and space****PSK transmissions -> center frequency (subtract the modem frequency!)****ALE (MIL188-141A) -> USB frequency – exclusive bands: black – nonexclusive: blue****SH = shift --- SP = spread (radar)**

DARC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DARC	1812,0	vt	vd	03	POL		A3E			Polish “PIP” – 10 tones – North-Poland – Baltic coast - POL Navy ?
DARC	1876,8	ady	dly	03	G		PSK8	2400	2400	Stanag4285 - 1200 bps long - Scotland
DARC	1896,5	ady	dly	03	D		PSK8	2400	2400	Stanag4285 - 600 bps long - German Navy
DARC	3500,0	vt	dly	03	TUR	no ITU	FSK8	125	1750	ALE, “2015” “2016” “1020”- Turkish Red Crescent - legal
DARC	3500,0	1850	25	03			FMCW			unid water surface Radar, 6.5 pps 3350 – 3550 kHz
DARC	3500,0	1823	27	03			FMCW			unid Radar - 6.7 pps
DARC	3500,5	2115	18	03	RUS		A1A			“RCP” “RJD56” - encrypted MSGs – figures – RUS Navy
DARC	3501,5	2229	24	03						frequency hopper
DARC	3503,0	2208	13	03	BLR		F1B	75	200	south east of Minsk
DARC	3503,5	vt	dly	03	G	no ITU	FSK8	125	1750	ALE – “XSS” “XPU” – British MIL Tascomm
DARC	3506,5	1750	28	03			F1B	50	125	
DARC	3510,0	vt	dly	03	ALG	no ITU	FSK8	125	1750	ALE, “JE30” “PT30”
DARC	3511,0	2120	16	03	UKR		F1B	100	150	vocoder Yakhta synchro
DARC	3511,5	2140	17	03			PSK4	120	2600	
DARC	3522,0	1740	10	03	RUS		PSK4	120	2600	AT3104D - northwest of Smolensk
DARC	3523,0	vt	dly	03		no ITU	FSK8	125	1750	ALE, “505”
DARC	3523,6	2121	05	03			FSK8	125	1750	Thales Skymaster – burst system
DARC	3526,0	1723	28	03	BLR		PSK2	120	2600	area of Minsk
DARC	3527,0	2230	10	03	RUS		F1B	50	200	Severomorsk - daily
DARC	3530,2	2100	dly	03	F		PSK4	75	2300	Link11 – CLEW – 14 x 75 Bd – east of Le Havre
DARC	3533,0	vt	dly	03	E	no ITU	FSK8	125	1750	ALE, “TZSC2” “TWBZ1” - Spanish Guardia Civil
DARC	3537,0	2050	22	03						frequency hopper
DARC	3540,0	2232	17	03						frequency hopper
DARC	3542,5	2105	26	03	RUS		F1B	75	250	Kaliningrad
DARC	3545,0	vt	dly	03	ALG	no ITU	FSK8	125	1750	ALE, “FL49” “FL57” “PT50” - ALG MIL + voice traffic USB and scrambler
DARC	3550,8	2215	22	03	ISR		PSK4	75	2400	MIL-188-110A hybrid
DARC	3552,0	2018	25	03	RUS		F1B	50	250	Novaja Semlja
DARC	3553,8	ady	dly	03	TUR		PSK8	2400	2400	Stanag4285 – TUR MIL - Ankara
DARC	3554,0	1935	17	03			FSK8	125	1750	Thales Skymaster
DARC	3555,8	2114	dly	03	KGZ		F1B	150	150	ACF = 324 - Bishkek
DARC	3556,0	2034	13	03						frequency hopper
DARC	3558,0	vt	dly	03			FSK8	125	1750	ALE, “102” “206”
DARC	3566,5	1745	12	03			PSK2	120	1750	AT3004D + voice traffic USB – testing AT3004D
DARC	3570,0	2202	18	03	BLR		PSK2	120	2600	AT3004D - north-east of Minsk
DARC	3577,0	ady	dly	03	I	IZ3DVW	A1A			IZ3DVW beacon - not coordinated with IARU
DARC	3578,0	2036	13	03	RUS		F1B	75	250	south east of St. Petersburg
DARC	3579,0	2150	11	03	RUS		F1B	75	250	Severomorsk
DARC	3585,0	1700	dly	03	TWN	HLL	F1C			120 rpm, IOC 576, Wxfax - legal!
DARC	3586,0	2020	02	03			PSK2	40	40	
DARC	3590,0	vt	dly	03	PAK	no ITU	FSK8	125	1750	ALE, “KW” “BABUR” “KHA” “KHAIBAR” “BADR”

DARC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
										“NASR”
DARC	3591,5	vt	vd	03	F		OFDM	44.4	1800	OFDM27 - area of Lille / North France
DARC	3595,0	vt	dly	03	D	no ITU	FSK8	125	1750	ALE, „ZLST“ „ZPRI“ „ZSHO“ „ZBOR“ „ZEMD“ „ZHEL“ „ZKNI“ „ZBOR“ „BPLEZS“ German customs – North-Germany
DARC	3596,0	vt	dly	03	HRV	9A0ALE	FSK8	125	1750	Croatian emergency ALE-net --- for info!
DARC	3603,0	vt	vd	03	D	DA0EC	PSK8	2000	2000	RFSM 8000 – amateur emergency net - Berlin - legal operation - just for info!!!
DARC	3603,0	2124	24	03	ALG?	no ITU	FSK8	125	1750	ALE, “PT01JL94” “JL05JL94”
DARC	3608,0	vt	dly	03	RUS		F1B	50	200	Kaliningrad
DARC	3611,5	vt	dly	03	D		PSK8	200	500	German APRS Net in Robust Packet - just for info!
DARC	3617,0	vt	dly	03	HRV	9A5EX	FSK8	125	1750	ALE, “9A5EX1P” – HAM-ALE - just for info
DARC	3622,5	2100	24	03	J	JMH	F1C			Tokyo Meteo – 120 rpm – IOC576 – daily, legal!!!
DARC	3629,4	2008	02	03	F/E		PSK8	2400	2400	Stanag4285 - 600 bps long - area of Bordeaux or North-Spain
DARC	3629,4	2242	08	03	E		PSK8	2400	2400	Stanag4285 – 600 bps long – North-Spain
DARC	3748,0	2229	08	03	BLR		F1B	75	250	
DARC	3756,0	ady	dly	03	UKR		A3E			UKR – pip – 10 tones
DARC	3782,0	ady	dly	03	POR	CTP	F1B	75	850	POR Navy headquarter Lisbon
DARC	3790,0	2030	dly	03	I		?			broadband signal - 3790 – 3810 area of Verona
DARC	3795,0	1645	08	03	BLR		PSK2	120	2600	AT3004D – area of Minsk
DARC	7000,0	vt	dly	03	IRQ	no ITU	FSK8	125	1750	ALE, “MEDOPS” “BMROPS” “LNGKNF” “EAGLE” “HFCFSR” “R23747” “R24594” US MIL
DARC	7000,0	1950	05	03	CHN		FMCW		80k	Chinese OTH Radar – 43.5 pps – 6920 – 7000 kHz
DARC	7000,0	1445	10	03	?				100k	unid OTH-Radar, 33.33 pps - 6900 – 7015 kHz – burst system
DARC	7000,0	1518	11	03						frequency hopper
DARC	7007,0	1439	03	03	UKR		F1B	100	150	Sevastopol – Yakhta synchro + encrypted speech
DARC	7008,0	2010	05	03	RUS		F1B	100	250	
DARC	7016,0	1115	28	03	RUS		F1B	75	250	Moscow
DARC	7025,0	1722	22	03	GEO		PSK2	120	2600	AT3004D - Georgia
DARC	7026,0	1547	31	03	RUS		PSK	120	2600	AT3004D - Moscow
DARC	7030,0	1130	28	03	RUS		PSK2	120	2600	AT3004D - Tambov
DARC	7030,0	1120	30	03	RUS		F1B	81	250	CIS-81-81 - Kologriv
DARC	7034,0	1517	12	03	RUS		PSK4	120	2600	AT3004D - Voronezh
DARC	7038,7	ady	dly	03	UKR	D	A1A			Cluster beacon – Sevastopol RUS Navy – “RCV”
DARC	7038,8	ady	dly	03	RUS	P	A1A			Cluster beacon – Kaliningrad RUS Navy – “RMP”
DARC	7038,8	1600	02	03	RUS	M	A1A			Cluster beacon – Magadan RUS Navy – „RTS“
DARC	7038,9	ady	dly	03	RUS	S	A1A			Cluster beacon – Murmansk RUS Navy – „RIT“
DARC	7039,0	ady	dly	03	RUS	C	A1A			Cluster beacon - Moscow RUS Navy - “RIW”
DARC	7039,1	vt	dly	03	KGZ	A	A1A			Cluster beacon – Bishkek RUS Navy –
DARC	7039,2	ady	dly	03	RUS	F	A1A			Cluster beacon - Vladivostok RUS Navy - “RJS”
DARC	7039,3	vt	dly	03	RUS	K	A1A			Cluster beacon - Petropavlovsk Kamchatskiy - RUS Navy - Pacific fleet - “RCC”
DARC	7039,4	1437	03	03	RUS	M	A1A			Cluster beacon – Magadan

DARC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
										RUS Navy – „RTS“
DARC	7039,9	ady	dly	03	I	IZ3DVW	A1A			IZ3DVW beacon - not coordinated with IARU
DARC	7054,0	2045	dly	03	RUS		F1B	50	200	CIS50-50 idling - RUS MIL Moscow
DARC	7063,0	1943	21	03	RUS		F1B	75	500	St. Petersburg
DARC	7088,8	1400	dly	03	S		CW			CW-trainee from Sweden – just for info!
DARC	7105,0	2015	21	03			FMCW		30k	unid OTHR, 2.7 pps
DARC	7110,5	vt	dly	03	HRV	9A0ALE	FSK8	125	1750	ALE, amateur net, just for info!
DARC	7111,9	vt	dly	03	KWT	no ITU	FSK8	125	1750	ALE, “UDAIRI” “ATFOPS” – UDAIRI = US MIL Camp Buehring / Kuwait
DARC	7112,0	0812	22	03	RUS		PSK2	120	2600	AT3004D - Moscow
DARC	7134,0	1138	01	03	RUS		PSK2	120	2600	AT3004D - Voronezh
DARC	7152,3	0806	02	03	LTU		F1B	50	250	7152,250 - Vilnius
DARC	7162,0	1140	01	03	RUS		F1B	75	250	Moscow – also: 12.03. at 0930 utc
DARC	7180,0	vt	dly	03	MRC	no ITU	FSK8	125	1750	ALE, “9201” “6350” “RC1”
DARC	7188,0	0824	09	03	RUS		F1B	75	250	Moscow
DARC	7188,0	1132	28	03	RUS		F1B	75	250	west of Moscow
DARC	7197,0	0720	28	03	TUR	no ITU	FSK8	125	1750	ALE, “3651” - Red Crescent - West-Turkey
DARC	10106,0	vt	dly	03	ALG	no ITU	FSK8	125	1750	ALE, “OG100A” “OR200B” - Algerian MIL
DARC	10112,0	ady	dly	03	TUR		PSK8	2400	2400	Stanag4285 – 600 bps long – TUR MIL - Izmir
DARC	10114,8	0750	dly	03	RUS		F1B	100	1000	CIS14 - Moscow
DARC	10115,0	1734	02	03	TUR		FMCW		20k	OTH Radar South-East-Turkey, 50 pps
DARC	10115,0	2005	10	03	CYP		FMCW		20k	OTHR Cyprus - 50 pps
DARC	10124,9	1645	11	03	RUS		MFSK		170	Russian diplo 6-tone system – duration of 1 tone = 320 ms
DARC	10125,0	vt	dly	03	LYB	no ITU	FSK8	125	1750	ALE, “MOBILE8” “MOBILE16” - Libyan GMMRA
DARC	10126,0	0952	14	03			PSK8	2400	2400	MIL-188-110A
DARC	10126,0	0814	22	03	RUS		PSK2	120	2600	AT3004D - Moscow
DARC	10130,0	2225	17	03	USA		F1B	50	850	USA - Maine
DARC	10134,0	vt	dly	03	ALG	no ITU	FSK8	125	1750	ALE, “CM4” “COF” - Algerian Airforce
DARC	10135,0	2000	28	03	TUR		FMCW		20k	OTH Radar Turkey, 50 pps
DARC	10150,0	vt	dly	03		no ITU	FSK8	125	1750	ALE, “CFA” “CTA”
DARC	14000,0	vt	dly	03		no ITU	FSK8	125	1750	ALE, “091” “1010”
DARC	14008,0	1040	02	03	RUS		F1B	50/100	250	Moscow
DARC	14013,0	0933	12	03			PSK2	120	2600	AT3004D - Moscow
DARC	14016,0	0752	01	03	RUS		PSK2	120	2600	AT3004D - Moscow
DARC	14028,0	0905	10	03	RUS		F1B	75	250	Penza – daily
DARC	14101,5	1146	22	03						frequency hopper
DARC	14120,0	0930	18	03	RUS		F1B	76.4	250	Moscow
DARC	14121,0	1506	04	03						frequency hopper
DARC	14139,0	1045	14	03	UKR		F1B	300.5	500	F1B-burst, Rivne
DARC	14240,0	0814	28	03	RUS		F1B	75	250	Moscow
DARC	14253,0	1508	04	03	RUS		F1B	75	250	area of Orenburg
DARC	14253,0	0640	28	03	KAZ		PSK4	120	2600	AT3104D - area of Astana
DARC	14301,8	0817	22	03	RUS		OFDM	29.6	2600	OFDM60 - Moscow
DARC	14343,0	1444	10	03						frequency hopper
DARC	14344,7	ady	dly	03	CHN		PSK8	2400	2400	MIL-188-110A – 600 bps short - intro tone ACARS like – burst system
DARC	14345,0	1613	16	03						frequency hopper
DARC	18107,0	vt	vd	03	RUS		F1B	50	250	Moscow
DARC	18165,0	0904	15	03	CYP		FMCW		20k	OTH Radar Cyprus, 50 pps
DARC	21000,0	0900	15	03	RUS	RAZ2	F1B	39	1000	harmonic from 10500 - idling - Mitschurinsk - daily
DARC	21000,0	vt	dly	03		no ITU	FSK8	125	1750	ALE, “APOLO” – north-east

DARC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DARC	21000,0	1006	25	03	TUR		FMCW		20k	OTH Radar Turkey, area of Istanbul, 50 pps
DARC	21001,5	1440	01	03	RUS		F1B	100	150	Yakhta synchro F1B - Jekaterinburg
DARC	21002,0	vt	dly	03						frequency hopper
DARC	21002,2	1445	01	03			F1B	200	200	Pactor 1
DARC	21006,8	0740	31	03	RUS		PSK4	1200	2000	Jekaterinburg
DARC	21007,0	1430	03	03						frequency hopper
DARC	21021,0	1545	24	03						frequency hopper
DARC	21050,0	0945	10	03	CYP		FMCW		20k	OTHR Cyprus - 50 pps
DARC	21076,0	0929	10	03	RUS		F1B	75	1000	harmonic from 5269 -
DARC	21100,0	1442	10	03	CYP		FMCW		20k	OTHR Cyprus - 50 pps
DARC	21120,0	0932	06	03	ARG		FMCW		10k	OTH Radar Argentina - 66.66 pps – burst system - QTE: 220 °
DARC	21151,0	1058	13	03						frequency hopper
DARC	21155,0	1110	15	03	CYP		FMCW		20k	OTH Radar Cyprus, 50 pps
DARC	21184,0	1025	31	03	RUS		F1B	50	200	Chita
DARC	21210,0	1130	21	03	CYP		FMCW			OTH Radar Cyprus, 50 pps
DARC	21330,0	1544	31	03	CYP		FMCW		20k	OTH Radar Cyprus, 50 pps
DARC	21340,0	0916	10	03	RUS		FMCW		10k	Russian OTHR – 40 pps, 60°
DARC	21374,0	0940	31	03	RUS		FMCW		10k	OTHR - 50 pps, bursts 2.6 sec – 10 kHz wide - area of Murmansk
DARC	21391,0	0909	05	03						frequency hopper
DARC	21400,0	0920	10	03	RUS		F1B	50	2000	harmonic from 5350 – west of Jekaterinburg
DARC	21410,0	0743	25	03	RUS		F1B		2000	4 th from 5352.5
DARC	24892,0	1134	06	03						frequency hopper

IRTS – Ireland – EI4GXB (Ger)

KARS – Kuwait – 9K2RR (Faisal)

MRASZ – Hungary - HA7PL (Laci)

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	DETAILS
MRASZ	7000,0	VT	VD	02	FSK8 (ALE)	Ui	UiMUX	125	1750	MEDOPS, BMROPS, FUZZY, DEFAULT, EAGLE, LNGKNF, T1Z185
MRASZ	7045,0	VT	VD	02	FSK8 (ALE)	Ui	UiMUX	125	1750	1???, 2??? 4 FIGURES NET
MRASZ	7080,0	VT	VD	02	FSK8 (ALE)	ALB	UiMUX	125	1750	5810
MRASZ	7090,0	VT	VD	02	FSK8 (ALE)	Ui	UiMUX	125	1750	2??? NET
MRASZ	7092,0	VT	VD	02	FSK8 (ALE)	Ui	UiMUX	125	1750	20??-NET
MRASZ	7095	VT	VD	02	FSK8 (ALE)	Ui	UiMUX	125	1750	110-NET UZBEK FORCE
MRASZ	7097	VT	VD	02	FSK8 (ALE)	Ui	UiMUX	125	1750	3ST - BAS
MRASZ	7102,0	VT	VD	02	FSK8 (ALE)	Ui	UiMUX	125	1750	AMATEUR
MRASZ	7107,0	VT	VD	02	FSK8 (ALE)	Ui	UiMUX	125	1750	9200, 437802, 437805
MRASZ	7115,0	VT	VD	02	FSK8 (ALE)	UZB	UiMUX	125	1750	110-NET UZBEK FORCES AND Z31, Z41, 4, 35,77, 5070
MRASZ	7116,0	VT	VD	02	FSK8 (ALE)	Ui	UiMUX	125	1750	1101, 1102, 1103, 1104 UNID

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	DETAILS
MRASZ	7140,0	VT	VD	02	FSK8 (ALE)	ALB	UiMUX	125	1750	1010
MRASZ	7141,0	VT	VD	02	FSK8 (ALE)	Ui	UiMUX	125	1750	7803
MRASZ	7149,0	VT	VD	02	FSK8 (ALE)	Ui	UiMUX	125	1750	103 – 106
MRASZ	7197,0	VT	VD	02	FSK8 (ALE)	Ui	UiMUX	125	1750	33450, 43402, 123456, 123466, 206102
MRASZ	14000,0	VT	VD	02	FSK8 (ALE)	Ui	UiMUX	125	1750	1010
MRASZ	14001,0	VT	VD	02	FSK8 (ALE)	G	UiMUX	125	1750	CRO, JNR

OEVSV – Austria – OE3DMA (Alex)

PZK – Poland – SP3UZ (Wladyslaw)

REP – Portugal – CT4AN (Jose Francisco)

SOC	KHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
REP	3500,0	22.49	04	03	SPA		J3E-U			Spanish fishers
REP	3501,0	07.23	18	03	SPA		J3E-U			Spanish talks (fishermen ?)
REP	3503,0	08.31	14	03	SPA		J3E-U			Fishers
REP	3505,0	08.30	19	03	SPA		J3E-U			Spanish fishers
REP	3511,0	08.13	10	03	SPA		J3E-U			Fishermen
REP	3575,0	08.11	17	03	FRA	!!!	A3E			French Amateurs (daily) INFRINGE IARU BAND PLAN
REP	3705,0	07.44	22	03	n.i.		J3E-U			Fishers (Norway ?)
REP	7004,0	08.56	29	03	SPA		J3E-U			Fishermen
REP	7030,0	07.46	28	03	n.i.		J3E-U			1,2,3,4 ... voice counting
REP	7038,6	07.48	16	03	RUS	S	A1A			MURMANSK, ADY, DLY 0.2uV S1
REP	7038,6	20.12	20	03	RUS	S	A1A			MURMANSK, ADY, DLY 3.1uV S5
REP	7038,7	22.19	21	03	UKR	D	A1A			SEVASTOPOL, ADY, DLY 3.1uV S5
REP	7038,7	23.56	27	03	UKR	D	A1A			SEVASTOPOL, ADY, DLY 3.1uV S5
REP	7039,0	23.09	17	03	RUS	C	A1A			MOSCOW, ADY, DLY 3.1uV S5
REP	7039,1	21.26	18	03	RUS	A	A1A			VOLGOGRAD, ADY, DLY 0.2uV S1
REP	7039,1	23.56	17	03	RUS	A	A1A			VOLGOGRAD, ADY, DLY 6.3uV S6
REP	7100,0	01.22	21	03	PAK		8k00 A3EGN			Radio Kashmira
REP	7105,0	22.21	20	03	CHN		8k00 A3EGN			Radio China Chinese language
REP	7105,0	22.40	12	03	TWN		8k00 A3EGN			Sound of Hope - English lang
REP	7105,0	23.13	28	03	CHN		8k00 A3EGN			R.China – music + announcing
REP	7110,0	00.26	11	03	ETH		8k00 A3EGN			Radio Ethiopia ??
REP	7118,5	22.47	26	03	n.i.		F1B			RTTY not standard
REP	7120,0	22.53	30	03	n.i.		Noise			White and noise
REP	7125,0	22.15	11	03	GUI		8k00 A3EGN			Radio Guinea - Konakry 25uV S8
REP	7125,0	23.10	09	03	n.i.		CW			Carrier 25uV S8
REP	7132,0	22.28	09	03	MLA		8k00 A3EGN			Radio Sarawak ?? 25uV S8
REP	7160,0	19.03	25	03	CHN		8k00 A3EGN			Radio China 25uV S8

SOC	KHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
REP	7175,0	08.19	25	03	n.i.		Noise			White noise (WB signal)
REP	7179,0	08.01	02	03	RUS		A3E			Talks
REP	7180,0	23.01	18	03	n.i.		8k00 A3EGN			2 broadcastings overlapped
REP	7186,0	08.09	05	03	FRA SPA		J3E-U			French / Spanish fishermen talking
REP	7190,0	23.38	01	03	MAR		8k00 A3EGN			News and music
REP	7200,0	21.28	15	03	RUS		8k00 A3EGN			Russian broadcasting
REP	10103,5	23.51	24	03	MAR		J3E-U			Fishermen
REP	10131,0	21.29	05	03	n.i.		J3E-U			Asiatic talks – 2 stations
REP	10149,0	21.48	26	03	n.i.		J3E-U			Voice talks with no calls
REP	14000,0	08.01	08	03	MAR		J3E-U			Fishermen
REP	14000,0	08.11	27	03	n.i.		F1B			RTTY test not standard
REP	14005,0	08.25	13	03	SPA		J3E-U			Fishermen
REP	14011,5	20.33	23	03	n.i.		J3E-U SSTV			Not Ham fast standards
REP	14130,0	20.22	20	03	n.i.		J3E-U			Talks in english
REP	14261,5	08.00	11	03	n.i.		F1B	300	170	Not standard
REP	18090,0	23.12	21	03	n.i.		CW			Sweeping carrier with noise
REP	21001,0	09.33	13	03	n.i.		J3E-U			Arab talks – no calls (fishermen ?)
REP	21012,0	08.44	27	03	n.i.		J3E-U			Fishermen
REP	21390,0	09.18	31	03	POR SPA		J3E-U			Fisherman talks
REP	21400,0	10.14	13	03	n.i.		J3E-U			Arab talking
REP	28001,0	20.10	17	03	n.i.		Noise			Strong crispy WB noise (like PLT)
REP	28014,0	20.36	10	03	n.i.		A3E			Talks (CB)
REP	28045,0	09.04	20	03	RUS		F3E			Taxis
REP	28065,0	09.07	20	03	RUS		F3E			Taxis
REP	28070,0	20.54	12	03	FRA		A3E			CB's inside Ham Band
REP	28070,5	23.08	23	03	FRA		A3E			CB's
REP	28134,0	16.12	26	03	RUS		F3E			Taxis
REP	28175,0	13.00	25	03	HRV		A3E			Radio-Taxis
REP	28245,0	16.00	26	03	RUS		F3E			Taxis
REP	28274,0	10.31	20	03	RUS		A3E			Taxis
REP	28320,0	18.56	29	03	ITA		A3E			Talks – males + female
REP	28350,0	16.42	13	03	RUS		A3E			Russian talks

RSGB - Great Britain – G4BOH (Chris)

Society	kHz	UTC	DD	MM	ITU	IDENT	REMARKS
RSGB	1700 – 6000 kHz	24H	Contin uous	03	G	Sonde	Drift mode sonde covers 1700-6000 kHz in 400 kHz sections. Follows MUF. 2 minute transmissions at 08,23,38, 53 mins. past the hour. Baldock in discussions with manufacturer and operator.

SRAL – Finland – OH2BLU (Pekka)

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	BAUD	SHIFT	REMARKS
SRAL	7002,75	1430- 1515	28	3		UiPTR	F1B		1000	
SRAL	7008,5	0420- 0630	25	3		UiMUX	J7D	12x120	12x200	
SRAL	7016,0	1030- 1200	28	3		UiPTR	F1B		250	
SRAL	7018,0	0800- 0830	6	3		UiMUX	J7D	12x120	12x200	
SRAL	7018,9	1445- 1505	17	3		UiPTR	F1B		500	
SRAL	7020,0	0900- 1320	2, 28	3		UiPTR	F1B		200/250	
SRAL	7026,0	0825-	31	3		UiMUX	J7D	12x120	12x200	

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	BAUD	SHIFT	REMARKS
		1610								
SRAL	7030,0	1110-1315	22, 25	3		UiPTR	F1B		250	
SRAL	7032,0	0800-1430	1, 3	3		UiMUX	J7D	12x120	12x200	
SRAL	7033,0	0830-1200	18	3		UiPTR	F1B		225	
SRAL	7034,0	1330-1615	12	3		UiMUX	J7D	12x120	12x200	Voronezh
SRAL	7035,0	0800-0830	18	3		UiMUX	J7D	12x120	12x200	
SRAL	7038,7	0400-2030	dly	3	UKR	D	A1A			Sevastopol
SRAL	7038,8	0445-2030	dly	3	RUS	P	A1A			Kaliningrad
SRAL	7038,9	0400-2030	dly	3	RUS	S	A1A			Severomorsk
SRAL	7039,0	0400-2030	dly	3	RUS	C	A1A			Moscow
SRAL	7041,0	1645-1715	27	3	RUS	HCSU	A1A			XWR8, Z-code
SRAL	7051,0	1135	15	3		UiCW	A1A			MR 5F
SRAL	7053,0	0700-1730	23	3	RUS	UiMUX	J7D	12x120	12x200	Kaliningrad
SRAL	7054,0	0400-0600	dly	3	RUS	UiPTR	F1B		200	Moscow
SRAL	7063,0	1940-2015	21	3		UiPTR	F1B		500	
SRAL	7066,0	1200	28	3		UiPTR	F1B		250	
SRAL	7067,0	1050	10	3		UiPTR	F1B		200	
SRAL	7076,0	0700-0945	20, 31	3		UiPTR	F1B		250	
SRAL	7112,0	1105-1805	22	3		UiMUX	J7D	12x120	12x200	
SRAL	7118,0	1430-1510	2	3		UiMUX	J7D	12x120	12x200	
SRAL	7120,0	1155-1205	23	3		265	R3E-u			Synth. female
SRAL	7120,0	1500-1810	dly	3	ERI	VoBME 1	A3E			QSY to 7130 days 23 - 31, jammed by ETH to 1700
SRAL	7126,0	0930-1200	15	3	RUS	UiPTR	F1B		250	
SRAL	7132,0	1155-1900	22	3		UiMUX	J7D	12x120	12x200	
SRAL	7135,0	1445	10	3		624	R3E-u			Synth. female
SRAL	7142,0	0900-1600	*	3	RUS	UiPTR	F1B		200/250	Days 4, 7, 13, 21, 31
SRAL	7143,0	1100-1130	22	3		UiMUX	J7D	12x120	12x200	
SRAL	7155,0	1530-1805	*	3	ERI	VoBME	A3E			Days 27, 28, 30. Jammed by ETH to 1700
SRAL	7160,0	1855-2000	23	3	CHN/ HRV	CRI	A2E			
SRAL	7162,0	0715-1730	*	3	RUS	UiPTR	F1B		250	Moscow, days 10, 12, 13, 22, 25, 26, 30
SRAL	7165,0	1500-1800	dly	3	ERI	VoBME	A3E			Jammed by ETH to 1700
SRAL	7166,0	1415-1508	25	3		UiMUX	J7D	12x120	12x200	
SRAL	7169,0	0900-1200	16, 17	3		UiPTR	F1B		200/250	
SRAL	7175,0	1500-1805	dly	3	ERI	VoBME 2	A3E			Jammed by ETH to 1700
SRAL	7188,0	0730-1220	*	3		UiPTR	F1B		225/250	Days 16, 19, 20, 25, 26, 28.
SRAL	7200,0	1400-	dly	3	SDN	R Sudan	A3E			

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	BAUD	SHIFT	REMARKS
		1530								
SRAL	7200,0	1730-2100	dly	3	SDN	R Sudan	A3E			
SRAL	7200,0	1600-1730	1-26	3	IRN	IRIB	A3E			
SRAL	7200,0	1729-1830	1-26	3	IRN	IRIB	A3E			
SRAL	7200,0	2030-	1-26	3	IRN	IRIB	A3E			
SRAL	14000,0	0640	18	3		UiOTHR	P0N			
SRAL	14016,0	1050	20	3		UiMUX	J7D	12x120	12x200	
SRAL	14016,0	0700	28	3		UiMUX	J7D	12x120	12x200	
SRAL	14028,0	0700-1415	*	3	RUS	UiPTR	F1B		250	Moscow, Days 7, 10, 14, 17, 21, 24, 28, 31.
SRAL	14253,0	0600-0900	7, 28	3		UiPTR	F1B		250	Intruder if over 400 W
SRAL	14263,0	1050-1245	10	3		UiPTR	F1B		250	Intruder if over 400 W
SRAL	14295,2	0400-1730	dly	3	TJK	R Tojikiston	A3E			3f 4765,07 kHz, Yangiyul TX
SRAL	14306,0	1115-1135	28	3		UiMUX	J7D	12x120	12x200	Intruder if over 400 W
SRAL	28055,0	1325	31	3	RUS	UiFM	F3E			Taxi base st.

USKA – Switzerland – HB9CET (Peter)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH (BW)	DETAILS
USKA	7000.0	1507	01	03			J3E-U			unid language often
USKA	7000.0	1641	01	03		LNGKNF	MFSK8	125	1750	MIL 188-141A daily
USKA	7000.0	1829	01	03		MEDOPS	MFSK8	125	1750	MIL 188-141A daily
USKA	7000.0	2144	01	03		FUZZY	MFSK8	125	1750	MIL 188-141A daily
USKA	7000.0	0147	02	03		2214	MFSK8	125	1750	MIL 188-141A daily
USKA	7000.0	0048	17	03		T1Z185	MFSK8	125	1750	MIL 188-141A daily
USKA	7001.5	1425	01	03			J3E-U			Italian language often
USKA	7002.75	0833	28	03			F1B	100	1000	unid
USKA	7032.0	1350	01	03			J7D	12x120	2600	PSK-2: CIS 12 = AT3004D
USKA	7037.5	1222	31	03			F1B	40.5	250	unid
USKA	7038.7	1346	01	03	UKR	D	A1A			Beacon D Sevastopol daily
USKA	7038.8	1942	23	03	RUS	P	A1A			Beacon P Kaliningrad daily
USKA	7038.9	2215	01	03	RUS	S	A1A			Beacon S Murmansk daily
USKA	7039.0	1347	01	03	RUS	C	A1A			Beacon C Moscow daily
USKA	7039.1	2349	16	03	KGZ	A	A1A			Beacon A Kyrgyzstan daily
USKA	7054.0	2156	01	03			F1B	50	200	unid daily
USKA	7070.0	1618	02	03		244	MFSK8	125	1750	MIL 188-141A TO: 204
USKA	7070.0	1735	02	03		514	MFSK8	125	1750	MIL 188-141A TO: 244
USKA	7070.0	2143	02	03		244	MFSK8	125	1750	MIL 188-141A TO: 686
USKA	7070.0	2149	02	03		244	MFSK8	125	1750	MIL 188-141A TO: 334
USKA	7070.0	2157	02	03		244	MFSK8	125	1750	MIL 188-141A TO: 514
USKA	7088.81	1427	01	03			A1A			cw training emission often
USKA	7105.0	2201	01	03	TWN		A3E			BC daily
USKA	7105.0	2203	01	03	CHN		A3E			BC daily
USKA	7111.9	1714	01	03	KWT	ATFOPS	MFSK8	125	1750	MIL 188-141A
USKA	7111.9	1917	01	03	KWT	UDAIRI	MFSK8	125	1750	MIL 188-141A
USKA	7120.0	1514	01	03	ERI		A3E			Voice of the Broad Masses daily
USKA	7120.0	1515	01	03			Noise		10 kHz	Jammer often
USKA	7125.0	1938	23	03			A3E			BC often
USKA	7132.0	1506	23	03			J7D	12x120	2600	PSK-2: CIS 12 = AT3004D
USKA	7140.0	1304	16	03			J7D		2600	CIS-12 idling only
USKA	7142.0	1116	30	03			F1B	75	200	unid
USKA	7144.0	1537	30	03			J7D	12x120	2600	PSK-2: CIS 12 = AT3004D
USKA	7151.0	1713	10	03			J7D	12x120	2600	PSK-2: CIS 12 = AT3004D
USKA	7160.0	1824	23	03			A3E			BC in French language China Radio International
USKA	7162.0	1342	12	03			F1B	75	250	unid
USKA	7165.0	1553	30	03	ERI		A3E			Voice of the Broad Masses often

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH (BW)	DETAILS
USKA	7165.0	1554	30	03			Noise		10 kHz	Jammer often
USKA	7166.0	1447	25	03			J7D		2600	CIS 12 idling only
USKA	7175.0	1517	01	03	ERI		A3E			Voice of the Broad Masses often
USKA	7175.0	1518	01	03			Noise		10 kHz	Jammer often
USKA	7179.0	2157	01	03			A3E			BC often
USKA	7184.0	1503	09	03			J7D	12x120	2600	PSK-2: CIS 12 = AT3004D
USKA	7188.0	0838	28	03			F1B	75	250	unid
USKA	7190.0	1519	01	03			Noise		10 kHz	Jammer
USKA	7197.0	2156	10	03		206102	MFSK8	125	1750	MIL 188-141A
USKA	7197.0	2157	10	03		8211	MFSK8	125	1750	MIL 188-141A
USKA	7197.0	2159	10	03		9850	MFSK8	125	1750	MIL 188-141A TO: 323
USKA	7197.0	2217	10	03		3061	MFSK8	125	1750	MIL 188-141A TO: 3261
USKA	7197.0	2222	10	03		3031	MFSK8	125	1750	MIL 188-141A
USKA	7197.0	2240	10	03		3541	MFSK8	125	1750	MIL 188-141A
USKA	7197.0	2240	10	03		8031	MFSK8	125	1750	MIL 188-141A
USKA	7197.0	0030	11	03		8341	MFSK8	125	1750	MIL 188-141A
USKA	7197.0	0045	11	03		3811	MFSK8	125	1750	MIL 188-141A
USKA	7197.0	0055	11	03		8251	MFSK8	125	1750	MIL 188-141A
USKA	7197.0	0153	11	03		3421	MFSK8	125	1750	MIL 188-141A
USKA	7197.0	0228	11	03		3261	MFSK8	125	1750	MIL 188-141A
USKA	7197.0	0307	11	03		3551	MFSK8	125	1750	MIL 188-141A
USKA	7197.0	0752	11	03		3161	MFSK8	125	1750	MIL 188-141A TO: 3351
USKA	7197.0	0900	11	03		43402	MFSK8	125	1750	MIL 188-141A
USKA	7197.0	1401	11	03		123466	MFSK8	125	1750	MIL 188-141A
USKA	7197.0	1531	11	03		3341	MFSK8	125	1750	MIL 188-141A
USKA	7197.0	1555	11	03		3251	MFSK8	125	1750	MIL 188-141A
USKA	7197.0	2225	11	03		8351	MFSK8	125	1750	MIL 188-141A
USKA	10126.0	1733	10	03			FMCW	47 pps	10 kHz	OTHR 47 pps PD 2.6 s PRI 30 s
USKA	14000.0	1428	25	03			FMCW	50pps	20 kHz	OTHR
USKA	14028.0	1126	14	03			F1B	75	250	unid daily
USKA	14028.0	0904	28	03			F1B	75	250	unid
USKA	14253.0	1121	14	03			F1B	75	250	unid
USKA	18107.0	1515	09	03	RUS	RDL	F1A		200	CIS 36-50 aka BEE aka T600
USKA	18107.0	1517	09	03	RUS		F1B	50	200	CIS 36-50 aka BEE aka T600
USKA	18107.0	1447	23	03	RUS		F1B	36	200	CIS 36-50 aka BEE aka T600
USKA	21001.5	1336	01	03	RUS		F1B	100	150	Jekaterinburg often
USKA	21055.0	1133	14	03			FMCW	50 pps	10 kHz	OTHR
USKA	21135.0	1052	30	03			FMCW	50 pps	20 kHz	OTHR
USKA	21179.0	1103	30	03			NON			long lasting carrier (in ~50°)

Veron 1 – Netherlands – PA0GRU (Dick)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SHIFT	DETAILS
VERON	3535,0	19.43	8	3		UiMUX	J7D		12 MPSK
VERON	3540,0	19.07	10	3		UiCAR	NON		carrier, S-9
VERON	3548,0	19.32	8	3		UiPtr	F1B		Ptr
VERON	3553,0	20.39	1	3	TUR	Stanag	PSK	2400	Stanag 4285 Ankara, also 8/3
VERON	3629,0	19.42	8	3		Stanag	PSK		Stanag 4285
VERON	3732,0	19.42	8	3		Stanag	PSK		Stanag 4285
VERON	3755,0	19.41	8	3		PIP	A3E		PIP 10 tones Baltic Coast Polish Navy?
VERON	3770,0	19.02	2	3		UiPtr	F1B	250	Ptr
VERON	3795,0	19.41	8	3		UiMUX	J7D		12 MPSK
VERON	7038,7	vt	vd	3	UKR	D	A1A		beacon D, 13 days
VERON	7038,8	vt	vd	3		P	A1A		beacon P, 3 days
VERON	7038,9	vt	vd	3	RUS	Stanag	A1A		beacon S, 9 days
VERON	7039,0	vt	vd	3	RUS	C	A1A		beacon C, Moscow, 13 days
VERON	7041,0	14.30	21	3		HCSU	A1A		to Q5BP,BANJ, M9LF,W14F, WNOU, calls
VERON	7041,0	20.16	21	3		5CBP	A1A		to Q56P, 435 1921 2302 435=173=5BL
VERON	7041,0	20.20	21	3		HCSU	A1A		to Q56P,BANJ,M9LF, calls, proc
VERON	7041,0	17.58	22	3		HCSU	A1A		to BANJ, 507 1722 2048 507=ZZR 444 5bl

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SHIFT	DETAILS
VERON	7041,0	14.30	23	3		HCSU	A1A		to Q5BP,BANJ, M9LF,W14F, WNOU, calls
VERON	7041,0	15.37	26	3		XWR8	A1A		ZSU ZDD ZRW K
VERON	7041,0	15.42	26	3		HCSU	A1A		to Q56P, BANJ, W14F, Q56P,calls, proc
VERON	7041,0	16.13	12	3		6PV3	A1A		CMQ8 de 6PV3 QTC K
VERON	7041,0	16.15	12	3		6PV3	A1A		6PV3 939 22 12 1906 939=437 5BL qln k
VERON	7041,0	14.34	18	3		6PV3	A1A		to WZWR WK2C R837? Rpt all K
VERON	7041,0	14.38	18	3		6PV3	A1A		to 4CTN: calls
VERON	7041,0	14.30	19	3		6PV3	A1A		to CMQ8, SUI3,WZWR,WK2C,4CTN calls
VERON	7041,0	14.36	19	3		L6SE	A1A		to WK2C,ZOY ZEA ZXP QYT6 K
VERON	7041,0	15.29	20	3		6PV3	A1A		proc.
VERON	7041,0	17.33	7	3		OW7Y	A1A		to KZMQ,1NYA,PQI6, YKK8:proc
VERON	7041,0	17.31	9	3		OW7Y	A1A		to CBC8,KZMQ,1NYA,PQI6,YKK8: proc
VERON	7041,0	14.31	9	3		OW7Y	A1A		to 1NYA,PQI6,YKK8, proc
VERON	7054,0	20.22	1	3	RUS	REA4	F1B	250	Ptr
VERON	7054,0	vt	vd	3	RUS	UiPtr	F1B	250	Revs, 9 days
VERON	7054,0	19.56	8	3	RUS	UiPtr	F1B	250	Revs, start at 19.56 utc
VERON	7054,0	20.15	8	3	RUS	UiPtr	F1B	250	start Ptr at 20.15 utc
VERON	7066,0	21.08	28	3		SO5S	A1A		proc, RPT PBL ADSK R 935 qrv K
VERON	7118,0	16.47	10	3		Stanag	PSK		Stanag 4285
VERON	7175,0	16.44	10	3	Africa	UiBC	A3E		speech with white noise (jamming)
VERON	7198,0	16.43	10	3		UiBC	A3E		speech
VERON	7200,0	18.27	25	3	IRN	IRL	A3E		music+speech 18.28 qrt
VERON	7200,0	17.58	28	3		UiBC	A3E		music
VERON	10118,0	19.15	10	3		OTHR	PON		radar, wide 10100-10127 KHz
VERON	14028,0	08.48	31	3		UiPtr	F1B	250	Pt MIL
VERON	14264,0	08.10	27	3		UiMUX	J7D		12 MPSK, 08.11 utc QRT
VERON	14272,0	08.09	27	3		UiPtr	F1B	250	Revs
VERON	21001,5	vt	vd	3	RUS	UiPtr	F1B	150	Yaktha Jekatrinnburg, 8 days
VERON	21001,5	09.01	20	3	RUS	UiPtr	F1B	150	Yaktha, qrm in RDXC contest

Veron 2 – Netherlands – PA0GRU (Dick)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
VERON	7000,7	13.20	18	3		UiCAR	NON		Persistent unstable carrier
VERON	7016,0	12.28	28	3		UiPTR	F1B		Ptr
VERON	7038,7	vt	vd	3	UKR	D	A1A		Beacon Sevastopol
VERON	7038,7	vt	vd	3	UKR	D	A1A		D-beacon
VERON	7038,8	vt	vd	3	RUS	P	A1A		P-beacon
VERON	7038,9	vt	vd	3	RUS	S	A1A		Beacon Murmansk
VERON	7038,9	vt	vd	3	RUS	S	A1A		S-beacon
VERON	7039,0	vt	vd	3	RUS	C	A1A		Beacon Moscow
VERON	7039,0	vt	vd	3	RUS	C	A1A		C-beacon
VERON	7054,0	20.30	5	3	RUS	UiPtr	F1B	200	Dotter; bad filter
VERON	7105,0	vt	vd	3	CHN	R.China	A3E		Speech & Chinese music; s6-7
VERON	7105,0	vt	vd	3	TWN	SOH	A3E		Mainly speech; s5-6
VERON	7162,0	12.12	25	3		UiPTR	F1B		Ptr
VERON	7168,0	18.51	5	3	EA	UiILL	j3E-u		Spanish, male/female voices
VERON	7200,0	20.34	5	3	IRN	IRIB	A3E		Spanish speech; s9++
VERON	7200,0	18.48	19	3	IRN	IRIB	A3E		Music; s9+
VERON	10103,0	13.30	8	3		UiCAR	A1A		Strong Carrier
VERON	10111,5	13.06	18	3	TUR	UiMux	PSK8	2k8	Stanag system
VERON	10130,0	09.57	25	3		UiPTR	F1B		Ptr
VERON	14028,0	12.20	28	3		UiPTR	F1B		Ptr
VERON	14240,0	12.17	28	3		UiPTR	F1B		Ptr
VERON	14295,1	14.51	15	3	TJK	R.Tajikistan	A3E		Unstable carrier; music; s5
VERON	14295,1	12.59	18	3	TJK	R.Tajikistan	A3E		Asian music and speech; s5
VERON	14312,0	09.33	9	3	CIS	4RYA	A1A		5BL (ending 056 ar)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
VERON	14350,0	16.05	5	3		UiBC	A3E		African music; s5
VERON	18107,0	vt	vd	3		UiPTR	F1B		Revs/Ptr
VERON	18107,0	11.55	25	3		UiCW	F1A		XXX (followed by F1B Revs/Ptr)
VERON	18107,0	12.15	28	3		UiCW	F1A		XXX (followed by F1B Revs/Ptr)
VERON	18131,8	14.05	8	3		UiPtr	F1B	500	Ptr
VERON	21001,0	11.00	30	3		UiPTR	F1B		Ptr
VERON	21001,3	13.54	8	3	RUS	UiPtr	F1B	160	Weak signal; s3
VERON	21001,5	12.33	28	3	RUS	UiPTR	F1B	150	Ptr
VERON	21126,0	14.20	15	3		OTHR	PON		50pps system; 27k spread
VERON	21227,0	12.21	18	3					Frequency hopper
VERON	21344,0	14.30	17	3		UiMux	PSK8	2k4	12 MPSK
VERON	21403,0	14.18	6	3					Frequency hopper
VERON	28503,0	13.25	9	3					Frequency hopper

IARUMS Region 1

Many thanks for your interest!

The monitoring team of IARU Region 1

credits:

Wavecom Elektronik – Buelach – Switzerland

SSB-Electronic – Iserlohn – Germany

BAZ – Special Antennas – Bad Bergzabern - Germany

FTS – Funktechnik Seipelt – Hoppegarten - Germany

German PTT (BNetzA = Federal Network Agency)

compiled and published by DK2OM