



Monitoring System

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The monthly newsletter for Region 1

October 2009

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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 ++ OEVSV: OE3DMA – Alex ++ RAL: OD5RI – Riri ++
- ++ REP: CT4AN – Jose and CT1JTQ – Angelo ++ RSGB: G4BOH - Chris ++ SARL: ZS4SM - Malcolm ++
- ++ SRAL: OH2BLU - Pekka ++ URE: nn ++ USKA: HB9CET - Peter ++ VERON: PA0GRU - Dick ++
- ++ G3VZV – Graham (satellite intrusions) ++ TG9AJR – Juan (Co-ordinator Region 2) ++
- ++ VU2UR - Arasu (Co-ordinator Region 3) ++ DF8FE – Martin (Webmaster assistance) ++ DL8AAM (ALE) ++
- ++ DJ7KG (BUOYS) ++ DF5SX (BC) ++ DK4VW - Ulli (DARC-HF-Department) ++ DARC (server support) ++
- ++ various European PTTs ++ IARU Region 1 assistance ++
- ++ PB2T – Hans (IARU R1 President) ++ G3PSM - Colin (EC-IARU-R1) ++

Part 1: News and infos

Part 2: Detailed reports from the national co-ordinators

Part 1: News and Infos

1. **Strong interference by neighbored TV-sets – the endless story ...**

My daily monitoring work is severely affected by 2 neighbored Plasma TVs and a LCD-TV. The range from 100 kHz is 30 MHz is concerned from 05 – 23 UTC and later!

2. **MIL traffic on 7 Mhz-band**

Russian MIL traffic in digital modes has been found on **43 QRGs**, UKR MIL: 4 QRGs, CHN MIL: 2 QRGs, MKD MIL: 2 QRGs, BLR MIL: 1 QRG, KAZ MIL: 1 QRG, GRC MIL: 1 QRG, UZB MIL: 1 QRG

3. **CIS-taxi traffic**

We found much CIS-taxi traffic in F3E (FM) between 28 and 29.7 MHz. Nothing has changed there. A Russian HAM told me, that this traffic is illegal in Russia. The taxi people are using modified CB-transceivers.

4. **Sudanese MFA on 21 MHz (MFA = Ministry of Foreign Affairs)**

The Sudanese MFA Khartoum was audible again: **21000.0 kHz**, USB, daily, various times, often in the noons. Male persons were calling the ident “**80**” in Arabic voice. They tried to call the Sudanese embassy in Yemen. The same fellows were also transmitting in Pactor 1 (encrypted, Kantronics Modem) on **21002.170 kHz**. Ident: **!500** This ident cannot be used by normal SCS Pactor modems! I found them first time in 2003 on the same QRGs with the same idents. Complaints to Sudan are wasted time, using these QRGs is much better.

5. **Efficiency of a Monitoring System**

After some strange experiences I want to answer the question: “How has a Monitoring System to work?” A Monitoring System should be reliable and work with high efficiency. The frequency measurements and all possible parameters should be verified by all interested HAMs or other services. Speculations about emissions or their sources can be mentioned, but they are senseless in some (or many) cases.

Do not forget: The circumstances on shortwave, especially frequencies and idents are often changing..

The result: A database can give an overview for few weeks only. Please look for the ITU-Monitoring results:

<http://www.itu.int/ITU-R/terrestrial/monitoring/files/pdf/files/>

If you are familiar with PDF-files, you can find out detailed informations by the search-function, same as on our monthly newsletters. If possible, look for good contacts to your national PTTs and read the tips on our homepage! DJ9KR, Uli, has created excellent infos about the monitoring work in German and English language, PPS and others.

The Region 1 Monitoring System fulfills the required functions. Our National Co-ordinators in Region 1 are doing an excellent job! Many thanks for your qualified and professional work dear friends!

6. **SU1SA, Sayed, follower of SU1KM**

SU1KM left our Monitoring Team. His follower is Sayed, SU1SA. You are welcomed to our Region 1 Team, dear Sayed!

SU1SA in front of his equipment (source: QRZ.com)



- 8. Homepage IARU Region 1 <http://www.iaru-r1.org/>
- Homepage IARUMS Region 1 <http://www.iarums-r1.org>
- Homepage IARUMS Region 2 <http://www.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 *** 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 (uniden) = 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 REPORT FOR October, 2009

The usual Somali intruders were heard in spite of propagation varying from good to very poor over relatively short periods. The same applies to those from Sudan, Ethiopia and Francophone central Africa.

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

ARSK – Kenya – 5Z4NU (Ted)

H'd by	kHz	UTC	dd	mm	ITU	Identity	Mode	Details
ARSK	7008.0	0719	24	10	SDN	21,	J3E	English, vernacular, encrypted messages in phonetics, military style, and verbal Morse.
ARSK	7009.0	vt	dly	10	ZAI	UiPHONE	J3Eu	Vernacular, some English.
ARSK	7011.0	vt	*	10	SDN	UiPHONE	J3Eu	Vernacular, verbal Morse. *26,27,
ARSK	7012.0	vt	dly	10	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7020.0	1407	27	10	ZAI	UiPHONE	J3E	French.
ARSK	7022.0	1400	26	10	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7025.0	0740	27	10	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7025.0	0837	10	10	ZAI	UiPHONE	J3E	French, vernacular.
ARSK	7026.0	1532	23	10	SDN	T1, T2, Peter, PA, PD, E1, Twiga net	J3Eu	English, encrypted messages, NGO.
ARSK	7027.0	vt	*	10	SOM	UiPHONE	J3E	Somalis. *10,
ARSK	7027.0	1242	13	10	ZAI	UiPHONE	J3Eu	French.
ARSK	7031.0	0835	10	10	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7032.5	vt	*	10	ZAI	UiPHONE	J3Eu	French, vernacular. *15,27,
ARSK	7033.0	0834	10	10	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7045.0	0843	15	10	SOM	Kismayu	J3Eu	Somalis.
ARSK	7049.0	0833	10	10	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7045.0	vt	dly	10	SDN	MM, NE, NU, AA, AK, AJ, AL, AT, AO, DU, WL1, WL2, WL4, WL5, W L6, WL9, WL10, BR, WM, NU, MAJ, Ikola? Kabwe, Kalulu	J3E J3Eu	Vernacular, Dholuo? English, phonetics. SelCal. Sudan, NGO, SPLA or SNLA? Sends messages in phonetic five letter groups, probably a single-substitution cypher. Once heard sending five letter code groups, presumably an encrypted message.
ARSK	7048.0	vt	12	10	SDN	SB	J3Eu	English, NGO.
ARSK	7052.0	1402	26	10	ETH	UiPHONE	J3Eu	Amharic.
ARSK	7057.0	vt	*	10	SOM	UiPHONE	J3Eu	Somalis. *10,12,26,
ARSK	7057.0	vt	*	10	SOM	UiPHONE	J3E	Somalis. *12,24,
ARSK	7061.0	1403	16	10	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7066.0	vt	*	10	SOM	UiPHONE	J3Eu	Somalis. *24,26,
ARSK	7069.0	0831 0744	10 26	10	SOM KEN	UiPHONE Garissa?	J3Eu	Somalis. Calling Garissa, no reply heard.
ARSK	7070.0	vt	*	10	SOM	UiPHONE	J3Eu	Somalis. *9,23.
ARSK	7075.0	vt	*	10	ZAI	UiPHONE	J3Eu	KiSwahili, possibly Lingala. *10,17,

H'd by	kHz	UTC	dd	mm	ITU	Identity	Mode	Details
ARSK	7079.0	0827	10	10	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7080.0	0828	10	10	SDN	UiPHONE	J3Eu	Vernacular.
ARSK	7080.0	1405	27	10	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7081.0	0825	10	10	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7085.0	vt	*	10	SOM	UiPHONE	J3Eu	Somalis.*8,11,12,
ARSK	7089.0	vt	*	10	SOM	UiPHONE	J3Eu	Somalis. Switches sidebands. *24,
ARSK	7090.0	0749	26	10	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7092.0	vt	*	10	SOM	UiPHONE	J3Eu	Somalis.*24,
ARSK	7097.0	0725	15	10	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7110.0	vt	dly	10	ETH	Addis Ababa	A3E	Broadcast, Addis Ababa, Ethiopia
ARSK	7120.0	0715	24	10	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7130.0	0749	26	10	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7140.0	0714	24	10	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7145.0	1540	23	10	?	UiPHONE	J3Eu	Music, Arabic, Ethiopian or Somali.
ARSK	7165.0	vt	dly	10	ETH	Addis Ababa	A3E	Broadcast. Arabic, Amharic.
ARSK	7175.0	vt	dly	10	ERI	VOBM?	A3E	Broadcast.
ARSK	7195.0	vt	dly	10	UGA	Kampala	A3E	Broadcast, Radio Uganda
ARSK	7200.0	vt	dly	10	SDN?	UiBC	A3E	Broadcast in Arabic, possibly Khartoum.

DARC – Germany – Part 1 – DJ9KR (Ui)

PSE observe: Cluster beacons -> green --- BC (A3E) 7100 – 7200 kHz -> blue

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS AND COMMENTS
DARC	3499,0	1930	05	10	F	UiILL	J3E-U	French pirates splattering up
DARC	3500,0	0741	03	10	G	UiILL	J3E-U	UK fishery, very obscene
DARC	3500,0	2211	06	10	E	UiILL	J3E-U	Spanish fishery
DARC	3500,0	1916	13	10	G	UiILL	J3E-U	UK fishery
DARC	3500,0	0917	15	10	HOL	UiILL	J3E-U	Dutch fishery
DARC	3500,0	1957	18	10	F.Ea	UiILL	J3E-U	Far East pirates, Korean ships?
DARC	3500,0	vt	vd	10	E	UiILL	J3E-U	Spanish fishery heard 06 08 at 1934, 0723, 1715, also using VOCODER CRY-2001 to scramble the voice
DARC	3515,0	0938	22	10	F	UiILL	J3E-U	French fishery, engine noise audible
DARC	3516,0	1000	28	10	F	UiILL	J3E-U	French fishery, engine noise audible
DARC	3535,0	1918	07	10	HOL	UiILL	J3E-U	Dutch fishery
DARC	3535,0	0807	22	10	G	UiILL	J3E-U	UK fishery
DARC	3535,5	1918	18	10	F	UiILL	J3E-U	French fishery, engine noise audible
DARC	3540,0	2158	05	10	E	UiILL	J3E-U	Spanish fishery
DARC	3550,0	0807	02	10	F	French Lis Amateur F6ACB	A3E	AM in CW section is against IARU recommendation
DARC	3550,0	0749	03	10	F	French Lis Amateurs	A3E	French Amateurs, AM used! - daily active!
DARC	3550,0	0715	04	10	F	F6ACB	A3E	Roland
DARC	3550,0	0715	04	10	F	F1APJ	A3E	Christophe
DARC	3550,0	0715	04	10	F	F2QH	A3E	Patrick
DARC	3550,0	vt	04	10	F	French Lis Amateurs	A3E	F1APJ - Christophe, F2QH - Patrick, F6ACB - Roland - heard 0715 - 0820
DARC	3550,0	1850	19	10	N.Eu	UiILL	J3E-U	Scandinavians
DARC	3551,0	2209	05	10	E	UiILL	J3E-U	Spanish fishery
DARC	3555,5	2018		10	F	UiILL	J3E-U	French fishery, engine noise audible
DARC	3560,0	1905	07	10	N.Eu	UiILL	J3E-U	Scandinavians
DARC	3565,0	1900	19	10	N.Eu	UiILL	J3E-U	Scandinavians
DARC	3566,0	1908	19	10	RUS	UiILL	J3E-U	net in Russian voice, RUS or BLR
DARC	3595,0	vt	vd	10	UKR	UiILL	J3E-U	male net in Russian voice, is UKR MIL
DARC	3600,0	1610	03	10	F	French Lis Amateurs	A3E	AM in CW section is against IARU recommendation
DARC	3600,0	1610	03	10	F	F1APJ	A3E	Christophe
DARC	3600,0	1610	03	10	F	F2QH	A3E	Patrick
DARC	3600,0	1610	03	10	F	French Lis Amateurs	A3E	F1APJ - Christophe, F2QH - Patrick, F??? -

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS AND COMMENTS
								Anatole
DARC	7000,0	1330	24	10	I	IZ8BLZ with net	J3E-L	Italian voices. SSB-LSB used - out-of-band operation!
DARC	7000,0	15000	28	10	INS	UiILL	J3E-U	Indonesian pirates
DARC	7000,4	1245	03	10		UiILL	J3E-U	pirates in unid language
DARC	7000,4	0712	29	10	E	UiILL	UiILL	Spanish fishery
DARC	7000,5	vt	04	10	E	UiILL	J3E-U	Spanish fishery, heard 05 06 at 1310, 0714
DARC	7009,0	2151	07	10		UiBC	A3E	BC-IM, Russian voice
DARC	7010,0	1432	07	10		UiBC	A3E	S9+10dB-signal
DARC	7030,0	1932	10	10	BLR	Radio Belarus	A3E	BC-IM from Radio Belarus from 7210 and 7390
DARC	7039,0	0847	06	10	UKR	beacon D	A1A	Sevastopol
DARC	7039,0	0847	06	10	RUS	beacon S	A1A	Murmansk
DARC	7039,0	1652	07	10	RUS	beacon S	A1A	Murmansk
DARC	7039,0	1652	07	10	UKR	beacon D	A1A	Sevastopol
DARC	7039,0	1521	08	10	RUS	beacon S	A1A	Murmansk
DARC	7039,0	vt	09	10	UKR	beacon D	A1A	Sevastopol, heard 0744 - 1555
DARC	7039,0	vt	09	10	RUS	beacon S	A1A	heard 0744 - 1555
DARC	7040,0	1210	09	10		IZ3DVW	A1A	not coordinated and not wanted beacon
DARC	7069,0	1652	07	10		UiPTR	F1B	bad chirpy signal
DARC	7080,0	0908	11	10		UiPTR	F1B	unid printer
DARC	7100,0	vt	dly	10	KRE	Radio Korea (North)	A3E	1800 - 1900: French
DARC	7100,0	vt	dly	10	KRE	Radio Korea (North)	A3E	1900 - 2000: English
DARC	7100,0	vt	dly	10	KRE	Radio Korea (North)	A3E	2000 - 2050: Kroeon
DARC	7105,0	vt	12	10	CHN	China National Radio 1	A3E	heard 2157 - 2213, signal 50 dBuV/m, daily active 2200 - 2300, found // 9455, location area of Linghi - report de BNetzA KON
DARC	7105,0	vt	30	10		UiBC	A3E	Spanish (?) px in QRM, at 2108 "gone"
DARC	7105,0	2108	31	10		UiBC	A3E	s/off at 2108
HFCC	7105,0	vt	vd	10	BGD	Radio Bangla Desh	A3E	1730 - 2000, every day 25.10.09 - 28.03.10
DARC	7110,0	1405	02	10	ETH	Radio Ethiopia	A3E	heard 0623, 1400 - 1830
DARC	7114,0	1614	29	10		UiPTR	F1B	unid printer
DARC	7116,0	1524	04	10		UiPTR	F1B	reversals
DARC	7116,0	2108	28	10	RUS	REA4	F1B	unid printer, fast reversals
DARC	7117,0	vt	29	10		UiPTR	F1B	unid printer heard 1614 - 1716
DARC	7117,5	vt	05	10	RUS	REA4	F1B	heard 1718 - 1825
DARC	7117,5	1532	07	10	RUS	REA4	F1B	fast reversals
DARC	7117,5	vt	09	10	RUS	REA4	F1B	heard 1501 - 1557
DARC	7120,0	1615	04	10	TCD	Radio Tchad	N0N	carrier S6
DARC	7122,0	0823	02	10	RUS	RDL	F1B	unid printer
DARC	7122,0	0745	09	10	RUS	RDL	F1A	5F keyed in Morse F1A
DARC	7122,0	1204	09	10	RUS	RDL	F1B	unid printer
DARC	7122,0	1614	29	10		UiPTR	F1B	unid printer
DARC	7125,0	2027	11	10	GUI	R. Conakry		px in French voice
DARC	7125,0	2108	28	10	GUI	R. Conakry	A3E	French px
DARC	7125,0	2341	31	10	GUI	R. Conakry	A3E	unid voice, African language and French, S9+15dB
DARC	7125,0	vt	vd	10	GUI	R. Conakry		heard 1648 - 2341
DARC	7135,0	1533	02	10	BLR	R. Belarus	A3E	Russian px, S7, weak modulation
DARC	7135,0	vt	04	10	BLR	R. Belarus	A3E	Ru px, S7 - heard 1525 - 1619

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS AND COMMENTS
DARC	7135,0	1621	06	10	BLR	R. Belarus	A3E	ann.: "Belaruskiye Radio", Russian voice, S9+20dB
DARC	7135,0	1521	08	10	BLR	R. Belarus	A3E	Russian px
DARC	7135,0	1510	09	10	BLR	R. Belarus	A3E	heard 1510 - 1557
DARC	7135,0	1605	11	10	BLR	R. Belarus	A3E	Russian px
DARC	7135,0	1543	12	10	BLR	R. Belarus	A3E	Russian songs, S9+25dB
DARC	7140,0	1648	07	10		BC	A3E	2 px at the same time, S7
DARC	7140,0	1202	20	10		UiBC	A3E	music, voice, S8
DARC	7140,0	0013	21	10		UiBC	A3E	unid voice, S9+5dB
DARC	7140,0	vt	vd	10	RUS	Radio Rossiye	A3E	2000 - 1600, every day 25.10.09 - 28.03.10
DARC	7141,5	vt	02	10		UiMUX	XXX	heard 1155 - 1231
DARC	7142,0	vt	02	10		UiMUX	XXX	mux heard 1405 - 1532
DARC	7145,0	1555	04	10	SOM	R. Hargeisa	A3E	unreadable vy weak modulation, carrier S9
DARC	7145,0	vt	04	10	SOM	R. Hargeisa	A3E	weak modulation, heard 1531 - 1718
DARC	7145,0	1718	05	10	SOM	R. Hargeisa	A3E	S8
DARC	7145,0	vt	05	10	SOM	R. Hargeisa	A3E	HOA music, heard 1724 - 1900 s/off
DARC	7145,0	1532	07	10	SOM	R. Hargeisa	A3E	HOA music S8
DARC	7145,0	1648	07	10	SOM	R. Hargeisa	A3E	Arabic px
DARC	7145,0	1557	09	10	SOM	R. Hargeisa	A3E	HOA music
DARC	7145,0	vt	09	10	SOM	R. Hargeisa	A3E	HOA music S9+10dB, heard 1557 - 1601
DARC	7145,0	1605	13	10	SOM	R. Hargeisa	A3E	
DARC	7145,0	1824	29	10	SOM	R. Hargeisa	A3E	music
HFCC	7145,0	vt	29	10	SOM	R. Hargeisa	A3E	HOA music, heard 1614, 1715 - S8-signal
DARC	7145,0	vt	vd	10	SOM	R. Hargeisa	A3E	heard 1530 - 2109
HFCC	7150,0	vt	vd	10	KOR	Korean Broad- casting System	A3E	0600 - 1100, every day 25.10.09 - 28.03.10
DARC	7150,0	vt	vd	10	KOR	Korean Broad- casting System	A3E	1600 - 2100, every day 25.10.09 - 28.03.10
DARC	7151,0	vt	09	10	RUS	UiMUX	J7D	MPSK-12, AT-3004-D, heard 0848 - 1148
DARC	7151,0	0626	29	10	RUS	UiMUX	J7D	MPSK-12, AT-3004-D
DARC	7151,0	1614	29	10	RUS	UiMUX	J7D	MPSK-12, AT-3004-D
DARC	7165,0	1405	02	10	E.Af	UiBC	A3E	Ar px S7
DARC	7165,0	1531	02	10	E.Af	UiBC	A3E	S9-signal
DARC	7165,0	1554	04	10	E.Af	UiBC	A3E	Arabic (?) voice, S9+10dB
DARC	7165,0	vt	04	10	E.Af	UiBC	A3E	Ar px, HOA music - heard 1525 - 1614, S9+10dB-signal
DARC	7165,0	1718	05	10	ETH	R. Ethiopia	A3E	French px S9+20dB
DARC	7165,0	1826	05	10	ETH	R. Ethiopia	A3E	
DARC	7165,0	1613	06	10	ETH	R. Ethiopia	A3E	English voice, African music, S9+30dB
DARC	7165,0	1630	06	10	ETH	R. Ethiopia	A3E	1630: "you are tuned to the external service of Radio Ethiopia"

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS AND COMMENTS
DARC	7165,0	1532	07	10	ETH	R.Ethiopia	A3E	at the same time with VOBM
DARC	7165,0	1532	07	10	ERI	Voice of the Broad Masses	A3E	at the same time with R. Ethiopia
DARC	7165,0	1644	07	10	ETH	ETH Govt. Jammer	JAM	white noise jammer
DARC	7165,0	1644	07	10	ERI	Voice of the Broad Masses	JAM	covered under white noise jammer
DARC	7165,0	1647	07	10	ETH	ETH Govt. Jammer	JAM	white noise jammer QSY to 7175
DARC	7165,0	1647	07	10	ERI	Voice of the Broad Masses	A3E	white noise jammer has gone, English px audible
DARC	7165,0	1521	08	10	E.Af	UiBC	A3E	S8-signal
DARC	7165,0	1505	09	10	E.Af	UiBC	A3E	Arabic px
DARC	7165,0	1539	12	10	E.Af	UiBC	A3E	African music, S9+20dB
DARC	7165,0	1605	12	10	E.Af	UiBC	A3E	
DARC	7165,0	1457	14	10	ETH	R. Ethiopia	A3E	ann.: "Addis Abeba", S9+10dB
DARC	7165,0	1614	29	10	E.Af	UiBC	A3E	HOA music S9
DARC	7165,0	1718	29	10	ETH	R. Ethiopia	A3E	French px
DARC	7165,0	1825	29	10	ETH	R. Ethiopia	A3E	music
DARC	7165,0	1713	30	10	ETH	R. Ethiopia	A3E	French voice, S9+20dB
DARC	7169,0	0623	29	10		UiPTR	F1B	unid printer
DARC	7169,9	1532	07	10		UiCAR	N0N	carrier
Sked-TWR	7170,0	vt	vd	10	D	Trans World Radio	A3E	1500 - 1530: on Mondays: Belarus px - tx-er site Wertachtal
Sked-TWR	7170,0	vt	vd	10	D	Trans World Radio	A3E	1500 - 1600: Tuesday to Sunday: Russian px tx-er site Wertachtal
Sked-TWR	7170,0	vt	vd	10	D	Trans World Radio	A3E	1530 - 1600: on Mondays: Russian px tx-er site Wertachtal
DARC	7173,0	1505	09	10		UiMUX	J7B	
DARC	7175,0	1405	02	10	ERI	Voice of the Broad Masses	A3E	S5
DARC	7175,0	1531	02	10	ERI	Voice of the Broad Masses	A3E	S9+10dB signal
DARC	7175,0	1525	04	10	ERI	Voice of the Broad Masses	A3E	HOA music
DARC	7175,0	1552	04	10	ERI	Voice of the Broad Masses	A3E	African music S9+20dB
DARC	7175,0	1617	04	10	ETH	ETH Govt. Jammer	JAM	white noise jammer
DARC	7175,0	1617	04	10	ERI	Voice of the	JAM	barely audible under white noise jammer

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS AND COMMENTS
						Broad Masses		
DARC	7175,0	1718	05	10	ETH	ETH Govt. Jammer	JAM	rusing noise 10 kHz
DARC	7175,0	1718	05	10	ERI	Voice of the Broad Masses	A3E	is target of the ETH Govt. Jammer
DARC	7175,0	1826	05	10	ERI	Voice of the Broad Masses	A3E	HOA music
DARC	7175,0	1611	06	10	ERI	Voice of the Broad Masses	A3E	music under heavy white noise jammer
DARC	7175,0	1644	07	10	ERI	Voice of the Broad Masses	A3E	
DARC	7175,0	1647	07	10	ETH	ETH Govt. Jammer	JAM	white noise jammer QSY from 7165
DARC	7175,0	1521	08	10	ERI	Voice of the Broad Masses	A3E	HOA music, S8
DARC	7175,0	1505	09	10	ERI	Voice of the Broad Masses	A3E	HOA music
DARC	7175,0	1559	09	10	ERI	Voice of the Broad Masses	A3E	jingle with occasional white noise jammer
DARC	7175,0	1557	1557	10	ERI	Voice of the Broad Masses	A3E	HOA music heard 1557 and 1623
DARC	7175,0	1600	16	10	ETH	ETH Govt. Jammer	JAM	jammer starting at 1600, still active 1623
DARC	7175,0	1816	29	10	ERI	Voice of the Broad Masses	A3E	male speaker
DARC	7175,0	vt	29	10	ERI	Voice of the Broad Masses	A3E	heard 1614 - 1720 in heavy jam vy ETH jammer
DARC	7175,0	vt	29	10	ETH	ETH Govt. Jammer	JAM	jammer heard 1614 - 1720, jamming VOBM
DARC	7175,0	1711	30	10	ERI	Voice of the Broad Masses	A3E	music under heavy white noise jammer
DARC	7176,0	1204	09	10		UiPTR	F1B	unid printer
DARC	7180,0	2142	14	10	KRE	UiBC	A3E	Chinese language, S9+15dB
DARC	7180,0	2137	28	10	KRE	UiBC	A3E	
DARC	7180,0	2100	30	10	KRE	UiBC	A3E	Chinese px "kwam bodient`hai"
DARC	7180,0	2109	31	10	KRE	UiBC	A3E	Chinese px S8
DARC	7180,0	2339	31	10	KRE	UiBC	A3E	Far Eastern music S9+10dB
HFCC	7180,0	vt	vd	10	KOR	Korean Broad-	A3E	1900 - 2000, every day 25.10.09 - 28.03.10

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS AND COMMENTS
						casting System		
DARC	7184,0	vt	03	10	I	Italian Lis Amateurs	A3E	I7FVH, IZ7AUG - Antonio, IKORNQ - Roberto, AM used with both sidebands - hear 1536 - 1548 - just information!
DARC	7185,0	1405	02	10	ETH	ETH Govt. Jammer	JAM	white noise jammer 10 kHz spread
DARC	7185,0	1405	02	10	ERI	Voice of the Broad Masses	A3E	covered with white noise jammer 10 kHz spread
DARC	7185,9	1600	09	10		UiMUX	J7B	MPSK-12, AT-3004-D
DARC	7185,9	1614	29	10		UiMUX	J7B	MPSK-12, AT-3004-D
HFCC	7190,0	vt	vd	10	CLN	Sri Lanka Broadcasting	A3E	0300 - 1500, every day 25.10.09 - 28.03.10, px in Hindi
HFCC	7190,0	vt	vd	10	YEM	Yemen	A3E	0000 - 0500, every day 25.10.09 - 28.03.10
HFCC	7190,0	vt	vd	10	CLN	Sri Lanka Broadcasting	A3E	0800 - 1530, every day 25.10.09 - 28.03.10
DARC	7200,0	1405	02	10	SDN	Radio Omdurman	A3E	Ar px, S5
DARC	7200,0	vt	04	10	SDN	Radio Omdurman	A3E	1525 - 1530 s/off
DARC	7200,0	1721	05	10	IRN	IRIB	A3E	
DARC	7200,0	1644	07	10	SDN	Radio Omdurman	A3E	
DARC	7200,0	1521	08	10	SDN	Radio Omdurman	A3E	Arabic px, S8
DARC	7200,0	1510	09	10	SDN	Radio Omdurman	A3E	Arabic px
DARC	7200,0	0623	12	10	SDN	Radio Omdurman	A3E	S6-signal
DARC	7200,0	0009	27	10	F	Media Broadcast "Gospel for Asia"	A3E	Pashtu-language, Indian music with flutes and drums, prayers with "amen", "sindebaad" "postbox 124..."
DARC	7200,0	vt	27	10	IRN	IRIB	A3E	Spanish px S9+25dB, heard 2117 till s/off at 2129
DARC	7200,0	0301	28	10	SDN	Radio Omdurman	A3E	"Sudan" and "Omdurman" often mentioned
DARC	7200,0	vt	28	10	IRN	IRIB	A3E	Spanish px, "Iran durante la semana", 2108 - 2130 s/off - S9+25dB
DARC	7200,0	vt	28	10	F	Media Broadcast "Gospel for Asia"	A3E	heard 2312 - 0032, "postbox nr. 134", Indian flutes and drums, amen
DARC	7200,0	vt	28	10	RUS	Voice of Russia	A3E	heard 2312 - 0032, px in Russian - // to Indian music of "Gospel for Asia"
kDAR	7200,0	0300	29	10		Radio Omdurman	A3E	Arabic px
DARC	7200,0	0623	29	10	RUS	Voice of Russia	A3E	Russian px and other px at the same time
DARC	7200,0	1614	29	10		BC	A3E	no BC heard

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS AND COMMENTS
DARC	7200,0	0719	30	10	RUS	Voice of Russia	A3E	Ru px heard
DARC	7200,0	2100	30	10	IRN	IRIB	A3E	Spanish px S9+30dB
DARC	7200,0	vt	30	10	F	Gospel for Asia	A3E	heard 2330 - 0030
DARC	7200,0	2338	31	10	F	Gospel for Asia	A3E	Oriental language, S9+40dB
DARC	7200,0	vt	31	10	IRN	IRIB	A3E	Spanish px heard 2107 till s/off at 2128/
DARC	7200,0	vt	31	10	SVK	Slovak Radio	A3E	Spanish px heard 0230 - 0300
DARC	7200,0	vt	vd	10		UiBC	A3E	1530 - 1630 no BC audible
DARC	7200,0	vt	vd	10	IRN	IRIB	A3E	station Ahwaz 1630 - 1730
DARC	7200,0	vt	vd	10	IRN	IRIB	A3E	station Kamalabad 1830 - 1930
HFCC	7200,0	vt	vd	10	SVK	Slovak Radio	A3E	0230 - 0300, every day 25.10.09 - 28.03.10, // 9440
HFCC	7200,0	vt	vd	10	BGD	Radio Bangla Desh	A3E	1300 - 1600, every day 25.10.09 - 28.03.10
HFCC	7200,0	vt	vd	10	RUS	Radio Rossiye	A3E	2000 - 1600, every day 25.10.09 - 28.03.10
HFCC	7200,0	vt	vd	10	IRN	IRIB	A3E	2030 - 2130, every day 25.10.09 - 28.03.10, Spanish px
HFCC	7200,0	vt	vd	10	F	Media Broadcast "Gospel for Asia"	A3E	2330 - 0030, every day 25.10.09 - 28.03.10, location Issoudun, central France
DARC	10100,0	0859	12	10	MRC	UiILL	J3E-U	Moroccan fishermen, 2 male persons
DARC	10100,8	vt	dly	10	D	DDH, DDK2, DDK9	F1B	German weather heard 0605 - 1540
DARC	10101,0	1830	03	10	MRC	UiILL	J3E-U	Moroccan fishermen, 2 male persons
DARC	10101,0	2205	04	10	E	UiILL	J3E-U	Spanish fishery
DARC	10101,0	vt	dly	10	MRC	UiILL	J3E-U	heard 03 - 08, 12 at vt
DARC	10102,4	0858	02	10		UiPTR	F1B	unid printer
DARC	10109,0	1648	16	10	F.Ea	UiILL	J3E-U	Far Eastern male persons
DARC	10112,0	h24	18	dly	TUR	UiMUX	G7D	Stanag-4285, 2k4, 8PSK
DARC	10115,0	0625	02	10	RUS	UiPTR	F1B	unid printer
DARC	10115,4	2055	02	10	E	UiILL	J3E-U	Spanish fishery
DARC	10120,0	2016	28	10	E	UiILL	J3E-U	pirates in Spanish voice
DARC	10130,0	1610	09	10		UiBC	A3E	unid BC-IM
DARC	10136,0	1210	09	10		UiPTR	F1B	fast reversals
DARC	10150,0	0940	01	10	MRC	UiILL	J3E-U	Moroccan fishery
DARC	10150,0	1747	12	10	E	UiILL	J3E-U	Spanish fishery
DARC	10150,0	0944	24	10	MRC	UiILL	J3E-U	Moroccan pirates
DARC	13920,0	1150	09	10		Sea Wave Radar		is audible 030 degs, 13920 - 13970 - just info
DARC	13970,0	0811	09	10	CHN	Hainan Music Jammer	JAM	is active, just information!
DARC	13970,0	1150	09	10	CHN	Hainan Music Jammer	JAM	is active, just information!
DARC	13970,0	0626	12	10	CHN	Hainan Music Jammer	JAM	is active - just info!
DARC	13970,0	0917	17	10	CHN	Hainan Music Jammer	JAM	Hainan music jammer active - just info!
DARC	14000,0	0900	02	10		UiCAR	N0N	long lasting carrier
DARC	14000,0	1415	03	10	CLN	UiILL	J3E-U	Tamil pirates / fishery
DARC	14000,0	1609	03	10	E	UiILL	J3E-U	Spanish fishery
DARC	14000,0	1438	05	10	INS	UiILL	J3E-U	pirates
DARC	14000,0	1931	07	10	B	UiILL	J3E-U	pirates from North Brazil
DARC	14000,0	0904	08	10	POR	UiILL	J3E-U	Portuguese fishery

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS AND COMMENTS
DARC	14000,0	0839	09	10		UiILL	J3E-U	unid pirates, unid voice, QTE 120 degs.
DARC	14000,0	1215	09	10	MRC	UiILL	J3E-U	Moroccan fishermen, 2 male persons, engine noise in background
DARC	14000,0	1732	09	10	ISR	ART, ULX	A3E	female voice with encrypted messages, is MOSSAD
DARC	14000,0	1300	15	10	Af	UiILL	J3E-U	African pirates talking about Beirut and Nairobi
DARC	14000,0	1300	18	10	INS	UiILL	J3E-U	Indonesian pirates
DARC	14000,0	2131	22	10	ISR	ULX	A3E	female voice in AM, is Mossad
DARC	14000,0	1945	23	10	S.Am	UiILL	J3E-U	Spanish voice, location S.America
DARC	14000,0	vt	vd	10	AGL	UiILL	J3E-U	African pirates heard 01 - 19 at 0650 - 1006, 15 reports - location possibly Angola
DARC	14000,0	vt	vd	10	ISR	UiILL	A3E	female voice with encrypted messages, is MOSSAD - heard 02 06 18 at 1408, 0915, 1007
DARC	14000,0	vt	vd	10	AGL	Lima Kilo	J3E-U	African pirate net, heard 04 - 07, 12 at 1756, 1649, 1714, 1701 - possibly Angola
DARC	14000,0	vt	vd	10	MRC	UiILL	J3E-U	Moroccan fishery, heard 07 09 at 0714, 1048
DARC	14001,5	1338	21	10	CLN	UiILL	J3E-U	Tamil fishery
DARC	14002,0	1433		10	MRC	UiILL	J3E-U	Moroccan fishery
DARC	14002,0	0618	01	10	CLN	UiILL	J3E-U	Tamil pirates
DARC	14002,0	vt	vd	10	Af	UiILL	J3E-U	African pirates heard all month 0710 - 1005, 1224 - 1800 - 28 reports all month
DARC	14015,5	0320	12	10	IND	UiILL	J3E-U	Indian male traffic
DARC	14037,0	1156	09	10		UiPTR	F1B	unid printer
DARC	14050,0	0720	04	10		UiPTR	F1B	unid printer
DARC	14055,5	0330	12	10	IND	UiILL	J3E-U	Indian male traffic
DARC	14121,0	vt	09	10		UiMUX	J7D	MPSK-12, AT-3004-D, heard 0730 - 0808
DARC	14160,0	0715	04	10	RUS	UiPTR	F1B	unid printer S9+10dB
DARC	14184,0	vt	09	10		UiPTR	F1B	fast reversals heard 0730 - 0807
DARC	14200,0	1603	03	10		UiBC	A3E	IM, S4
DARC	14211,0	1156	09	10		UiPTR	F1B	unid printer
DARC	14211,0	1040	10	10		UiPTR	F1B	printer and reversals
DARC	14220,8	1647	01	10		UiCW	F1A	letter "A" repeated in frequency shift
DARC	14234,0	vt	09	10		UiMUX	XXX	heard 0806 - 0842
DARC	14236,0	1040	10	10		UiMUX	XXX	multiplex
DARC	14295,1	0826	01	10	TJK	R.Tajikistan	A3E	S6-signal
DARC	14295,1	1655	01	10	TJK	R.Tajikistan	A3E	S6-signal, 3f, 4765 also audible
DARC	14295,1	vt	02	10	TJK	R.Tajikistan	A3E	S6-signal, 3f, heard 0624 - 1232
DARC	14295,1	1548	03	10	TJK	R.Tajikistan	A3E	S7-signal, pumping carrier
DARC	14295,1	0715	04	10	TJK	R.Tajikistan	A3E	is active
DARC	14295,1	vt	09	10	TJK	R.Tajikistan	A3E	heard 0814, 1201 - S5-signal
DARC	14295,1	1628	11	10	TJK	R.Tajikistan	A3E	S9-signal
DARC	14295,1	vt	vt	10	TJK	R.Tajikistan	A3E	heard 1040, 1242, 1536
DARC	14328,0	1600	08	10	F.Ea	UiILL	J3E-U	Far East pirate net
DARC	14347,4	1931	04	10	B	UiILL	J3E-U	pirate net from Brasil, Portuguese voice
DARC	18100,0	14000	02	10	F.Ea	UiILL	J3E-U	Far East pirates
DARC	18100,0	0920	22	10	RUS	Russian OTH Radar	P0N	ABM2 "steelyard"
DARC	18100,0	1224	22	10	RUS	Russian OTH Radar	P0N	ABM2 "steelyard"
DARC	21000,0	1100	26	10	SDN	MFA Sudan "80"	J3E-U	pirates from Sudan, MFA Sudan, ident "80"
DARC	21000,0	1026	27	10	MRC	UiILL	J3E-U	Moroccan fishery

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS AND COMMENTS	
DARC	21001,0	0826	01	10		UiPTR	F1B	unid printer	
DARC	21070,0	1032	22	10		UiOTH Radar	P0N	20 kHz spread	
DARC	21230,0	1604	11	10	CYP /G	British OTH Radar	P0N	is active, 80 kHz spread	
DARC	21245,0	1035	11	10	CYP /G	British OTH Radar	P0N	is active, 100 kHz spread	
DARC	21300,0	1050	02	10	CYP /G	British OTH Radar	P0N	100 kHz (21260 - 21360 kHz) spread S9+30dB	
DARC	28000,0	1617	18	10	POR?	UiILL	J3E-U	pirates in Portuguese voice, Portugal or Brazil?	
DARC	28000,0	vt	vd	10	RUS	UiILL	F3E	28000 - 19700 many CIS taxis in F3E	
DARC	28015,0	1707	28	10	I	UiILL	A3E	Italian truck driver	
DARC	28055,0	0815	22	10	RUS	UiILL	F3E	Russian taxi	
DARC	28085,0	1855	04	10	E	UiILL	A3E	Spanish CB-ers	
DARC	28085,0	0814	22	10	RUS	UiILL	F3E	Russian taxi	
DARC	28105,0	1020	27	10	E	UiILL	A3E	Spanish CB-ers	
DARC	28195,0	1658	28	10	I	UiILL	A3E	Italian truck driver	
DARC	28205,0	1856	04	10	F	UiILL	F3E	French CB-ers	
DARC	28215,0	0821	22	10	RUS	UiILL	F3E	Russian taxi	
DARC	28285,0	0820	22	10	RUS	UiILL	F3E	Russian taxi	
DARC	28295,0	0816	22	10	RUS	UiILL	F3E	Russian taxi	
DARC	28695,0	0851	30	10	RUS	UiILL	F3E	Russian taxi	
DARC	28995,0	0855	30	10	RUS	UiILL	F3E	Russian taxi	

DARC – Germany – Part 2 – 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

DARC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
DARC	1812,0	ady	dly	10	POL		A3E			Polish “PIP” – 10 tones – North-Poland – Baltic coast
DARC	1852,0	1710	06	10	BLR		F1B	49	250	BLR MIL
DARC	1876,7	vt	dly	10	G		F1B	1200	1200	RM6-modem, ASCII - ACF800 - Scotland
DARC	1896,5	ady	dly	10	D		PSK8	2400	2600	Stanag4285 – German Navy – North-Germany
DARC	3500,5	1759	17	10	POL		F1B	75	200	north-east of Warsaw
DARC	3503,5	vt	dly	10	G	no ITU	FSK8	125	1750	ALE – “XSS” “XPU” – British MIL Tascomm
DARC	3506,5	1753	07	10	RUS		F1B	100	250	RUS MIL - St. Petersburg
DARC	3526,0	1734	01	10	RUS		PSK2	120	2600	AT3004D – idling - Moscow
DARC	3527,0	1944	vd	10	RUS		F1B	50	200	Far-East-RUS
DARC	3536,0	1914	21	10	LVA		PSK2	120	2600	Latvia
DARC	3540,0	1953	27	10	BLR		PSK2	120	2600	north of Minsk
DARC	3545,2	1900	09	10	G		PSK4	75	2300	Link 11 – 15 x 75 Bd
DARC	3552,0	1824	01	10			F1B	50	200	ship - North-Baltic-Sea
DARC	3553,8	ady	dly	10	TUR		PSK8	2400	2600	Stanag4285 – TUR MIL
DARC	3560,0	1800	dly	10	KRE		A3E			Voice of North-Korea – illegal!
DARC	3560,5	1950	08	10	RUS		F1B	40.5	500	RUS MIL - West-RUS
DARC	3566,0	vt	dly	10	E		FSK8	125	1750	ALE, “TWL” “TXX” - Spanish Guardia Civil
DARC	3568,0	1920	23	10	BLR		F1B	75	250	North-Belorussia
DARC	3577,1	2045	23	10	I	IZ3DVW	A1A			uncoordinated beacon
DARC	3585,0	1800	dly	10	TWN	HLL	F1C			120 rpm, IOC 576, Wxfax
DARC	3594,0	vt	dly	10	ALG		FSK8	125	1750	ALE, “BT30” “FS30” “WA30”
DARC	3595,0	vt	dly	10	D	no ITU	FSK8	125	1750	ALE – „ZLST“ „ZPRI“ „ZSHO“

DARC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
										German customs – North-Germany
DARC	3596,0	1856	13	10						frequency hopper
DARC	3596,0	1755	24	10	HRV	9A0ALE	FSK8	125	1750	Croatian ALE-net --- for info!
DARC	3599,0	1926	29	10	LTU		PSK2	120	2600	Lithuania
DARC	3600,0	1920	08	10	BLR		FSK4	96	1500	BLR MIL - system CIS 14
DARC	3606,0	vt	dly	10	ALG	no ITU	FSK8	125	1750	ALE, "FS20"
DARC	3608,0	1905	18	10	POL		F1B	50	200	north of Warsaw
DARC	3611,8	2025	28	10	I		J7D			Link11 - South Italy, Paola
DARC	3713,8	1859	13	10	F		PSK4	75	2300	Link11 - 15 x 75 Bd - Toulon
DARC	3735,0	1800	dly	10	POL		F1B	43	500	idling, South of Warsaw
DARC	3753,0	1835	02	10			A1A			5 letter groups, encrypted
DARC	3767,0	2145	09	10	RUS		PSK2	120	2600	AT3004D - idling - Kaliningrad
DARC	3782,0	ady	dly	10	POR	CTP	F1B	75	850	POR Navy headquarter Lisbon
DARC	3786,8	1345	06	10	G		PSK4			Link11 - Great Britain
DARC	5194,8	ady	dly	10	ISR		PSK8	2400	2600	Stanag4285, 600 bps long, interfering "DRA5"
DARC	7000,0	vt	dly	10	IRQ	no ITU	FSK8	125	1750	ALE, "SHDTC" "GUNTOC" – US MIL Iraq
DARC	7000,0	0806	12	10	KAZ		PSK2	120	2600	AT3004D – area of Kazakhstan
DARC	7000,0	1604	28	10						frequency hopper
DARC	7000,0	vt	dly	10	MEa	no ITU	FSK8	125	1750	ALE, "T1Z130" "T1Z137" "T1Z150" - US MIL
DARC	7000,8	1300	24	10	G		PSK31	31,25	31,25	north-north-east of London, most of the time idling, no information
DARC	7005,0	1314	15	10			F1B	81	250	ship East-Black Sea
DARC	7008,0	vt	vd	10	RUS		F1B	50	250	Far-East-Russia
DARC	7010,0	vt	dly	10	MKD		FSK8	125	1750	ALE, "RS004A" - MKD MIL
DARC	7011,8	0822	27	10			PSK8	2400	2800	MIL-188-110A - uniden
DARC	7013,0	1428	07	10	RUS		PSK4	120	2600	AT3004D – QPSK – area of Kazan
DARC	7013,5	0900	23	10	RUS		PSK?		2800	broadband signal - St. Petersburg
DARC	7017,0	0734	30	10	RUS		PSK2	120	2600	
DARC	7018,0	vt	dly	10	RUS		PSK2	120	2600	AT3004D – area of Kazan
DARC	7019,1	2236	29	10	RUS		PSK2	120	2600	ship - Black Sea
DARC	7020,0	vt	vd	10	RUS		F1B	75	250	RUS MIL - Moscow
DARC	7021,8	1845	31	10	GRC		PSK8	2400	1800	Stanag4285, 600 bps long, South-East Greece
DARC	7022,0	vt	vd	10	RUS		PSK2	120	2600	RUS MIL - Novgorod
DARC	7030,0	1900	dly	10	BLR	RBLR	A3E			Intermodulation from Radio Belarus on 7210 and 7390 kHz
DARC	7030,0	1745	19	10	RUS		PSK2	120	2600	RUS MIL Vladivostok
DARC	7030,3	1915	06	10	CHN		PSK4	75	2200	system PRC 4+4 (8 x 75 Bd)
DARC	7038,3	1920	19	10		„Z“ „2Z“	A1A			ship, south of Ireland
DARC	7038,7	ady	dly	10	UKR	D	A1A			Cluster beacon - Sevastopol
DARC	7038,9	ady	dly	10	RUS	S	A1A			Cluster beacon - Murmansk
DARC	7039,0	ady	dly	10	RUS	C	A1A			Cluster beacon - Moscow
DARC	7039,0	ady	dly	10						frequency hopper
DARC	7039,2	ady	dly	10	RUS	F	A1A			Cluster beacon - Vladivostok
DARC	7040,0	ady	dly	10	I	IZ3DVW	A1A			IZ3DVW – beacon, not coordinated
DARC	7041,0	0944	14	10						frequency hopper
DARC	7045,0	1745	27	10	EGY		PSK4	75	1700	16 x 75 Bd, Alexandria EGY
DARC	7047,0	0737	30	10	UKR		PSK2	120	2600	AT3004D - Sevastopol
DARC	7049,0	0933	05	10	RUS		F1B	75	200	RUS Navy - Kaliningrad
DARC	7054,0	1700	dly	10	RUS		F1B	50	200	RUS MIL - Moscow
DARC	7059,0	vt	vd	10	KAZ		F1B	75	250	MIL printer
DARC	7061,0	vt	vd	10	RUS		PSK2	120	2600	AT3004D - Moscow
DARC	7063,3	1521	07	10	CHN		FSK8	150	2200	PRC 4+4, 8 x 150 Bd idling
DARC	7068,7	0732	20	10			F1B	75	1000	
DARC	7075,0	2210	29	10	RUS		PSK2	120	2600	AT3004D - Machatschkala Caspian Sea
DARC	7079,0	0727	19	10	RUS		F1B	81	250	east of Moscow

DARC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
DARC	7080,0	vt	vd	10	RUS		F1B	50	200	RUS MIL - Moscow
DARC	7080,0	vt	dly	10						frequency hopper
DARC	7089,7	vt	dly	10	TUR		PSK8	2400		Link11-SLEW – West-Turkey
DARC	7089,9	1700	dly	10	UKR		F1C			Wxfax – 60 rpm, IOC576, Sevastopol - possibly RUS Navy
DARC	7090,0	0852	18	10	RUS		PSK2	120	2600	RUS MIL Kaliningrad
DARC	7092,0	vt	dly	10	TUR	no ITU	FSK8	125	1750	ALE, “1020” - Turkish Red Crescent
DARC	7112,0	0658	22	10	RUS		F1B	75	250	RUS MIL - Murmansk
DARC	7113,0	1002	23	10	RUS		PSK2	120	2600	area of Moscow
DARC	7114,0	1542	21	10	RUS		F1B	50	200	RUS MIL Kaliningrad
DARC	7114,0	1710	29	10	RUS		F1B	75	500	RUS MIL - Samara
DARC	7117,0	vt	dly	10	RUS	REA4	F1B	50	1000	RUS Airforce - Moscow
DARC	7117,0	1342	17	10						frequency hopper
DARC	7117,2	0726	15	10			A1A			encrypted letters and figures
DARC	7117,9	0944	20	10	RUS		OFDM	22.2	2950	OFDM112 - St. Petersburg
DARC	7122,0	vt	dly	10	RUS	RDL	F1B	75	250	RUS Navy Kaliningrad
DARC	7123,0	vt	dly	10	RUS		F1B	50	250	Far East-RUS
DARC	7124,0	vt	vd	10	RUS		PSK2	120	2600	AT3004D - West-Russia
DARC	7132,0	1853	27	10	RUS		F1B	50	200	RUS MIL - Vladivostok
DARC	7140,0	vt	dly	10	UZB		FSK8	125	1750	ALE, “1104” “1708” “1703”
DARC	7142,0	vt	dly	10	BLR		PSK2	120	2600	area of Minsk
DARC	7144,5	0735	03	10	UKR		PSK2	120	2600	UKR MIL - Kiev
DARC	7149,0	1010	06	10	RUS		F1B	40.5	500	RUS MIL Moscow - system “Frost 1”
DARC	7151,0	1030	06	10	RUS		PSK2	120	2600	AT3004D - East of Samara
DARC	7155,0	0735	29	10	UKR		PSK2	120	2600	AT3004D - Sevastopol
DARC	7162,0	vt	vd	10	RUS		F1B	75	250	RUS MIL Moscow
DARC	7169,0	0739	29	10	RUS		F1B	75	200	RUS MIL – area of Moscow
DARC	7170,0	0716	07	10						frequency hopper
DARC	7172,0	vt	vd	10	RUS		PSK2	120	2600	AT3004D - ship, Skagerak
DARC	7174,5	1049	12	10	RUS		F1B	75	250	RUS MIL - far east
DARC	7175,0	1730	dly	10	ETH		QRM			white noise from Radio Ethiopia
DARC	7176,0	vt	dly	10	RUS		F1B	75	250	RUS MIL, area of Moscow
DARC	7186,0	vt	dly	10	RUS		PSK2	120	2600	AT3000D – Murmansk
DARC	7188,0	vt	vt	10	RUS		F1B	75	250	RUS Navy - Kaliningrad
DARC	7189,0	1444	06	10	RUS		PSK2	120	2600	AT3004D - East-RUS
DARC	7190,0	0926	07	10	RUS		PSK2	120	2600	AT3004D - south-east of Moscow
DARC	7192,0	1506	01	10	RUS		F1B	75	250	East-RUS
DARC	7192,5	0938	08	10	UKR		PSK2	120	2600	AT3004D - Sevastopol
DARC	7192,5	1748	23	10			PSK4	120	2600	ship - North-Baltic Sea
DARC	7196,0	0725	21	10	RUS		F1B	75	200	RUS MIL - Petropavlovsk
DARC	7198,0	vt	vd	10	RUS		PSK2	120	2600	AT3004D - Moscow
DARC	10102,6	0715	08	10	KAZ		NON			long lasting carrier
DARC	10103,0	1919	29	10						frequency hopper
DARC	10109,0	1240	01	10			F1B	50	200	
DARC	10112,0	ady	dly	10	TUR		PSK8	2400	2600	Stanag4285 – 600 bps long - Turkish MIL
DARC	10114,0	vt	dly							frequency hopper
DARC	10114,8	0606	dly	10	RUS		F1B	96	1000	CIS 14 – Moscow
DARC	10114,8	vt	dly	10	RUS		FSK4	96	1500	4 x 96 Bd (CIS 14) - Moscow
DARC	10115,0	vt	dly	10			FSK8	125	1750	ALE, “UR1” “MAR”
DARC	10115,0	1756	22	10	RUS		F1B	50	120	RUS MIL - east of Kazan
DARC	10117,0	0803	20	10	RUS		PSK2	120	2600	RUS MIL - Moscow
DARC	10121,0	1006	23	10	RUS		F1B	75	250	RUS MIL - area of Kazan
DARC	10122,0	vt	dly	10			FSK8	125	1750	ALE, “L10” “L12”
DARC	10123,0	vt	vd	10	RUS		PSK2	120	2600	AT3004D - east of Moscow
DARC	10124,0	vt	dly	10			F1B	50	200	ship, north of Finland
DARC	10129,0	1015	23	10	RUS		F1B	75	250	
DARC	10130,0	vt	dly	10	USA		F1B	50	850	Maine - USA
DARC	10131,0	1310	23	10	RUS		PSK2	120		AT3004D – RUS MIL Moscow
DARC	10135,0	2147	14	10	CYP		P0N			OTH Radar Cyprus, 50 pps

DARC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
DARC	10136,0	vt	dly	10	RUS		F1B	50	200	East-RUS
DARC	10140,0	1831	31	10						frequency hopper
DARC	10142,0	1217	08	10	CIS		MFSK	40	1600	CIS 36 - 36 tones
DARC	10145,0	2005	25	10			P0N			splatter from Superdarn Radar above 10150 kHz
DARC	10145,0	1840	29	10	CYP		P0N			OTH Radar Cyprus, 50 pps
DARC	10146,0	0943	07	10	RUS		PSK2	120	2600	AT3004D -
DARC	10150,0	1645	26	10	CYP		P0N			OTH Radar Cyprus, 50 pps
DARC	14000,0	vt	dly	10						frequency hopper
DARC	14000,0	vt	dly	10			FSK8	125	1850	Thales Skymaster, uniden
DARC	14000,0	1830	09	10	CYP		P0N			OTH Radar Cyprus, 25 pps, 80 kHz wide - (13920 – 14000 kHz)
DARC	14000,0	0945	16	10	?		FSK8	125	1750	ALE, "HARRIS" "MICOM"
DARC	14000,1	1728	01	10	ISR		N0N			lasting carrier
DARC	14001,7	1505	08	10	ISR		PSK8	2400	2600	MIL-188-110A - hybrid modem
DARC	14003,0	0713	15	10	RUS		F1B	75	250	RUS MIL Moscow
DARC	14005,0	0847	08	10	RUS		PSK2	120	2600	AT3004D - Moscow
DARC	14006,0	vt	vd	10	RUS		F1B	75	250	RUS MIL Moscow
DARC	14008,0	0728	15	10	RUS		F1B	50	500	RUS Navy Kaliningrad
DARC	14010,0	1120	14	10						frequency hopper
DARC	14015,0	1330	08	10	CYP		P0N			OTH Radar Cyprus, 50 pps
DARC	14016,0	0725	08	10	BLR		F1B	75	250	Belorussian MIL
DARC	14037,0	vt	vd	10	RUS		F1B	100	250	RUS MIL Murmansk
DARC	14050,0	0722	19	10	RUS		F1B	50	250	RUS MIL Moscow
DARC	14052,0	0826	27	10	RUS		PSK2	120	2600	RUS MIL - Far-East Russia
DARC	14058,0	1618	20	10						frequency hopper
DARC	14076,0	1443	21	10						frequency hopper
DARC	14122,0	0650	08	10	RUS		PSK2	120	2600	AT3004D - East-Rus
DARC	14135,0	1254	01	10	RUS		F1B	75	250	east of Samara
DARC	14162,0	0910	19	10	LTU		F1B	50	500	Lithuania
DARC	14171,0	0830	27	10	RUS		PSK2	120	2600	RUS MIL - west of Moscow
DARC	14184,0	0809	20	10	RUS		F1B	76	250	RUS MIL - Moscow
DARC	14192,0	vt	vd	10	RUS		F1B	50	500	RUS Navy - Kaliningrad
DARC	14211,0	0753	04	10	RUS		F1B	50	250	east of Moscow
DARC	14234,0	vt	dly	10	RUS		F1B	50	2000	2 nd from 7117,0 (F1B)
DARC	14240,0	0736	16	10	RUS		F1B	50	250	RUS MIL - Moscow
DARC	14242,0	0838	27	10	RUS		PSK2	120	2600	AT3004D - Smolensk
DARC	14260,0	vt	dly	10						frequency hopper
DARC	14280,0	0728	17	10	RUS		F1B	50	1000	harmonic from 7140 (500 Hz shift)
DARC	14295,1	ady	dly	10	TJK		A3E			Radio Tajik – 3 rd from 4765
DARC	14311,0	1400	09	10	RUS		A1A			"8BAA" de "0WSV" - north of Kazan – weak signals!
DARC	14318,5	1600	14	10	LBY		F1B	600	600	DPRK-FSK600 – North-Korean emba – Tripoli - Libya
DARC	14326,0	1636	07	10						frequency hopper
DARC	14328,4	1616	dly	10	LBY		F1B	600	600	DPRK-FSK600 – North-Korean emba – Tripoli - Libya
DARC	14350,0	0717	28	10	CYP		P0N			OTH Radar Cyprus, 50 pps
DARC	18100,0	vt	dly	10						frequency hopper
DARC	18102,0	0931	17	10						frequency hopper
DARC	18107,0	vt	dly	10	RUS		F1B	50	200	RUS MIL Moscow
DARC	18130,0	0745	02	10	RUS		F1B	100	1000	2 nd from 9065 kHz – east of Moscow
DARC	21000,0	vt	dly	10						frequency hopper
DARC	21000,0	0732	17	10	CYP		P0N			OTH Radar Cyprus, 25 pps, 80 kHz wide
DARC	21001,5	vt	dly	10	RUS		F1B	100	140	Far East-RUS - MIL "T219"
DARC	21002,2	1100	dly	10	YEM SDN	!500	F1B	200	200	Pactor 1, encrypted, Sudan emba Yemen with MFA Sudan
DARC	21032,0	1020	27	10	RUS		F1B	75	1000	2 nd from 10576 kHz
DARC	21070,0	vt	dly	10						frequency hopper
DARC	21070,0	1000	22	10	CYP		P0N			OTH Radar Cyprus, 25 pps
DARC	21095,0	1019	24	10	CYP		P0N			OTH Radar Cyprus, 50 pps

DARC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
DARC	21145,8	ady	dly	10	I	IZ3DVW	A1A			uncoordinated beacon
DARC	21190,0	0747	29	10	RUS		F1B	100	1000	RUS MIL - area of Kazan
DARC	21200,0	0804	23	10	CYP		P0N			OTH Radar Cyprus, 50 pps
DARC	21390,0	0928	27	10	RUS		F1B	100	3000	harmonic – fundamental not audible
DARC	21400,0	0900	03	10	CYP		P0N			OTH Radar Cyprus, 25 pps, 80 kHz wide – (+/- 40 kHz)
DARC	21438,0	vt	27	10	RUS	RCV RIP90	A1A			“RCV” “RIP90” “RFH71” - Russian Navy
DARC	24890,0	0849	30	10						frequency hopper
DARC	24896,0	1030	30	10						frequency hopper
DARC	24900,0	1111	30	10						frequency hopper
DARC	28000,0	0819	23	10	CYP		P0N			OTH Radar Cyprus, 50 pps

IRTS – Ireland – EI4GXB (Ger)

KARS – Kuwait – 9K2RR (Faisal)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	DETAILS		
KARS	7.201	0256	01	10	IRN	BC	AM	Iran BC DESTORTION FROM 7.199 – 7.208		
KARS	7.195	0306	01	10	SDN	BC	AM	Sudan BC		
KARS	7.110	0302	01	10	?	BC	AM	African BC		
KARS	14.238	0320	01	10	BBC	BC	AM	BBC arabic BC interference		
KARS	14.044	0300	03	10	?		USB	Asian station		

MRASZ – Hungary - HA7PL (Laci)

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	DETAILS
MRASZ	7000,0	VT	VD	10	FSK8 (ALE)	USA	UiMUX	125	1750	US ARMY net. CALLSIGNS: T1Z137 (1-137th Avn, OH ArNG, Rickenbacker ANGB, Columbus, OH); SHOTOC, R58, T1Z130, T1Z150, T28CAB, T2Z104, T449, TC1Z52, TC7158, WARTOC.
MRASZ	7000,0	VT	VD	10	FSK8 (ALE)	I	UiMUX	125	1750	2214 SOUNDED ITALIAN CARABINIERI CAME BACK? IT SEEMS TO BE A WINTER FREQUENCY REGARDING TO THE LAST ACTIVITY OCCURED IN APRIL. OTHER: 2425.
MRASZ	7000,0	VT	VD	10	FSK8 (ALE)	Ui	UiMUX	125	1750	7601 SOUNDED. NEW CALLSIGN.
MRASZ	7000,0	VT	VD	10	FSK8 (ALE)	Ui	UiMUX	125	1750	LEL -GLT NETWORK ACTIVE AGAIN.
MRASZ	7008,0	VT	VD	10	FSK8 (ALE)	Ui	UiMUX	125	1750	2222 SOUNDED
MRASZ	7010,0	VT	VD	10	FSK8 (ALE)	Ui	UiMUX	125	1750	CS - RS net
MRASZ	7014,0	VT	VD	10	FSK8	MAU	ALE	125	1750	CONTROLROOM-BENNICHAB, MAURITANIAN UNIDENTIFIED USER MAYBE COPPER MINES.
MRASZ	7020,0	VT	VD	10	FSK8 (ALE)	Ui	UiMUX	125	1750	CS - RS net
MRASZ	7020,0	VT	VD	10	FSK8	GER	UiMUX	125	1750	ZLST CONTACTED ZHEL. GERMAN

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	DETAILS
					(ALE)					CUSTOMS.
MRASZ	7026,0	VT	VD	10	FSK8 (ALE)	Ui	UiMUX	125	1750	642-314 UNKNOWN NET, 523 (FORMER CALLSIGNS: 431, 417)
MRASZ	7029,0	VT	VD	10	FSK8 (ALE)	Ui	UiMUX	125	1750	693-368, 662-693 NEW UNID NET.
MRASZ	7045,0	VT	VD	10	FSK8 (ALE)	Ui	UiMUX	125	1750	1001, 2001 SOUNDED F001-NET
MRASZ	7059,0	VT	VD	10	FSK8 (ALE)	Ui	UiMUX	125	1750	NEW UNID: 576 - 174
MRASZ	7061,0	VT	VD	10	FSK8 (ALE)	NIG	UiMUX	125	1750	2111 NIGERIAN POLICE AGAIN.
MRASZ	7070,0	VT	VD	10	FSK8 (ALE)	GEO	UiMUX	125	1750	244-288 NET POSSIBLE GEORGIAN.
MRASZ	7071,0	VT	VD	10	FSK8 (ALE)	GER	UiMUX	125	1750	BPLEZS (Cuxhaven D German Customs - ZRUE (SHIP Ruegen - D ZOLL))
MRASZ	7080,0	VT	VD	10	FSK8 (ALE)	ALB	UiMUX	125	1750	ALBANIAN MoPO. 5810 SOUNDING
MRASZ	7090,0	VT	VD	10	FSK8 (ALE)	Ui	UiMUX	125	1750	4001 SOUNDED. F001-NET
MRASZ	7091,0	VT	VD	10	FSK8 (ALE)	ALG	UiMUX	125	1750	A04 - A01 ALGERIAN FORCES.
MRASZ	7092,0	VT	VD	10	FSK8 (ALE)	Ui	UiMUX	125	1750	4001, 2001 SUBNETS LOTS OF CALLSIGNS. F001 NET.
MRASZ	7092,0	VT	VD	10	FSK8 (ALE)	Ui	UiMUX	125	1750	106 - 103 UNID
MRASZ	7095,0	VT	VD	10	FSK8 (ALE)	Ui	UiMUX	125	1750	1001 SOUNDED.
MRASZ	7095,0	VT	VD	10	FSK8 (ALE)	Ui	UiMUX	125	1750	39M - 1101AG UNID
MRASZ	7096,0	VT	VD	10	FSK8 (ALE)	Ui	UiMUX	125	1750	103, 105, 217, 104. UNID
MRASZ	7107,0	VT	VD	10	FSK8 (ALE)	Ui	UiMUX	125	1750	437806, 437815, 437817, 437843.
MRASZ	7110,0	VT	VD	10	FSK8 (ALE)	Ui	UiMUX	125	1750	229 - 773 NEW UNID
MRASZ	7115,0	VT	VD	10	FSK8 (ALE)	Ui	UiMUX	125	1750	1101, 1703 AND 4 - FIGURES NET UNID.
MRASZ	7116,0	VT	VD	10	FSK8 (ALE)	Ui	UiMUX	125	1750	1, 3 SOUNDED. NEW INTRUDER.
MRASZ	7120,0	VT	VD	10	FSK8 (ALE)	Ui	UiMUX	125	1750	103, 104, 105, 106, 117. UNID NEW INTRUDER.
MRASZ	7141,0	VT	VD	10	FSK8 (ALE)	Ui	UiMUX	125	1750	7839 SOUNDED
MRASZ	7149,0	VT	VD	10	FSK8 (ALE)	ALB	UiMUX	125	1750	ALBANIAN MoPO. 5810 SOUNDING
MRASZ	7197,0	VT	VD	10	FSK8 (ALE)	TUR	UiMUX	125	1750	Red Crescent TURKEY 4 FIGURES NET. CALLSIGNS: 8161, 8211, 8351, 9850, 9855, 3000, 3062, 3161, 3251, 3421, 3541
MRASZ	7197,0	VT	VD	10	FSK8 (ALE)	Ui	UiMUX	125	1750	123456 SOUNDED.
MRASZ	21135,2	VT	VD	10	FSK8 (ALE)	Ui	UiMUX	125	1750	WA3 - FS30 UNID NEW.

REP – Portugal – CT4AN (Jose Francisco)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	DETAILS
REP	3500	08.35	12	10	E		J3E-U	Spanish fishers boat to boat
REP	3500	08.10	13	10	MRC		J3E-U	Morroc fishers
REP	3500	23.00	20	10	E		J3E-U	Spanish fishers
REP	3502	07.15	28	10	MRC		J3E-U	Maroccos Fishery
REP	3505	07.10	08	10	E		J3E-U	Spanish Fishers referring La Coruna
REP	3550	08.10	02	10	F		A3E-AM	INFRINGE IARU BAND PLAN - French Amateurs daily traffic
REP	3550,0	09.45	02	10	F		A3E-AM	French Amateurs, DLY INFRINGE IARU BAND PLAN 50uV S9
REP	3550,0	18.41	03	10	MRC		J3E-U	Morocco's fishermen
REP	3550,0	06.44	07	10	F		A3E-AM	French Amateurs, DLY INFRINGE IARU BAND PLAN 50uV S9
REP	3550	18.40	21	10	E		J3E-U	Spanish Fishers Catalan language
REP	3553,0	02.33	16	10			F3E	FM high noise 50uV S9
REP	3562	22.50	02	10	KRE		8k00 A3EGN	BC Voice of Korea english
REP	3565	08.30	22	10			J3E-U	Fishers ship to ship Japan lang.
REP	3565	21.15	27	10	E		J3E-U	Spanish Fishery Catalan lang.
REP	3575	07.30	11	10	F		A3E-AM	INFRINGE IARU BAND PLAN - French Amateurs Sunday traffic
REP	3580	22.55	29	10	E		J3E-U	Spanish Fishers –Biscaya gulf
REP	3582	18.15	25	10			J3E-U	Net Arabic lang. 3 attending
REP	3594	21.30	03	10	RUS	D	A1A	Beacon *daily
REP	3595	21.30	23	10	RUS	S	A1A	Beacon *daily
REP	7025	17.35	19	10	E		J3E-U	Spanish fishers
REP	7038,6	06.39	07	10	RUS	S	A1A	MURMANSK Beacon, ADY, DLY 12.5uV S7
REP	7038,7	06.31	07	10	UKR	D	A1A	SEVASTOPOL Beacon, ADY, DLY 12.5uV S7
REP	7038,7	02.30	11	10	UKR	D	A1A	SEVASTOPOL Beacon, ADY, DLY 158uV S9+10dB
REP	7038,7	23.44	28	10	UKR	D	A1A	SEVASTOPOL Beacon, ADY, DLY 1.6uV S4
REP	7039,0	06.38	07	10	RUS	C	A1A	MOSCOW Beacon, ADY, DLY 12.5uV S7
REP	7039,0	23.34	28	10	RUS	C	A1A	MOSCOW Beacon, ADY, DLY 25uV S8
REP	7039,1	02.45	11	10	RUS	A	A1A	ASTRAKHAN Beacon, ADY, DLY 90uV S9+5dB
REP	7039,8	18.37	20	10	I	IZ3DVW	A1A	BEACON OUT OF IARU BAND RECOMMENDATIONS, DLY
REP	7100	19.30	10	10			8k00 A3EGN	BROADCASTING 3.1uV S5
REP	7105	22.55	12	10	CHN		8k00 A3EGN	Radio China (Beijing) 5000uV S9+40dB
REP	7110	16.20	02	10	ETH		8k00 A3EGN	Radio Ethiopia
REP	7110	19.02	04	10			8k00 A3EGN	BROADCASTING 25uV S8
REP	7110	21.33	08	10	ETH		8k00 A3EGN	Radio Ethiopia - music
REP	7110	19.12	15	10	CHN		8k00 A3EGN	Radio China International (Urumgi) 5000uV S9+40dB
REP	7110	18.51	19	10	CHN		8k00 A3EGN	Radio China International (Urumgi) 500uV S9+20dB
REP	7110	19.13	23	10	ETH		8k00 A3EGN	Radio Ethiopia 1581uV S9+30dB
REP	7110	20.35	25	10	ETH		8k00 A3EGN	Radio Ethiopia 1581uV S9+30dB
REP	7110	04.12	26	10	ETH		8k00 A3EGN	Radio Ethiopia 5000uV S9+40dB
REP	7110	21.54	29	10	ETH		8k00 A3EGN	Radio Ethiopia - DLY
REP	7110	18.25	30	10	CHN		8k00 A3EGN	Radio China International 15811uV S9+50dB
REP	7115	19.38	03	10	CHN		8k00 A3EGN	Radio China
REP	7120	18.36	29	10	CHN		8k00	Radio Xinjang - English

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	DETAILS
							A3EGN	
REP	7125	20.18	07	10	CHN		CW	Continuous Wave Carrier 5000uV S9+40dB
REP	7125	19.33	14	10			8k00 A3EGN	BROADCASTING 25uV S8
REP	7125	21.03	18	10	CHN		8k00 A3EGN	Radio China 1581uV S9+30dB
REP	7125	21.05	20	10	GUI		8k00 A3EGN	Radio Conakry - English
REP	7125	22.19	20	10	GUI		8k00 A3EGN	Radio Konakry
REP	7125	00.13	22	10	CHN		8k00 A3EGN	Radio China International 50uV S9
REP	7125	23.40	22	10	CHN		8k00 A3EGN	Radio Xizung - English news
REP	7125	19.48	29	10	GUI		8k00 A3EGN	Radio Konakry - English
REP	7140	19.50	22	10	RUS		8k00 A3EGN	Radio Ytkurk - Russian
REP	7145	19.20	28	10	LAO		8k00 A3EGN	BC Radio Laos english announc.
REP	7175	19.11	04	10			8k00 A3EGN	BROADCASTING 12.5uV S7
REP	7200	19.00	10	10			8k00 A3EGN	BROADCASTING 12.5uV S7

RSGB - Great Britain – G4BOH (Chris)

Society	QRG	UTC	DD	MM	ITU	IDENT	REMARKS
RSGB	3735	24H	DLY	10	HOL	BC Stn.	5F of BC TX on 747kHz. Baldock discussing with Dutch authorities/TX site.
RSGB	7030	1400-2300	DLY	10	BLR	BC stn A09	Spurious sig from BC antennas using 7210 kHz and 7390 kHz at Minsk tx site. Baldock informed Belarus authorities. Baldock informed ITU under RR 15.42. Now gone due to Winter schedule change.

SRAL – Finland – OH2BLU (Pekka)

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	SHIFT	REMARKS
SRAL	7008,0	1100-1400	4-5	10		UiPTR	F1B	200	
SRAL	7013,0	1315	7	10		UiMUX	J7D		
SRAL	7017,0	1445	30	10		UiOTHR	P0N		40 Hz, MR "QRJ?k", spur. 7037
SRAL	7018,0	0530-1500	1,22,30	10	RUS	UiMUX	J7D		
SRAL	7018,0	1245	31	10		UiPTR	F1B	1000	
SRAL	7018,6	0600-1700	12-14	10		UiCarr	N0N		
SRAL	7020,0	1015-1315	5,28	10		UiPTR	F1B	250	
SRAL	7022,0	0630-0900	21,28	10	RUS	UiMUX	J7D		
SRAL	7030,0	0600-1330	3,5,16	10		UiPTR	F1B	250	
SRAL	7038,7	h24	dly	10	UKR	D	A1A		Sevastopol
SRAL	7038,9	h24	dly	10	RUS	S	A1A		Severomorsk
SRAL	7039,0	0800-1430	*	10	RUS	C	A1A		Moscow, days 9,10,15,17,25,27
SRAL	7039,2	1130-	9,10,	10	RUS	F	A1A		Vladivostok

Society	KHz	UTC	DD	MM	ITU	IDENT	MODE	SHIFT	REMARKS
		1400	15						
SRAL	7039,4	1130-1400	9,10,15	10	RUS	M	A1A		Magadan
SRAL	7044,0	1130-1400	7,28	10		UiPTR	F1B	250	
SRAL	7047,0	0630-2030	30,31	10	RUS	UiMUX	J7D		
SRAL	7049,0	0645,1145	2,20	10	RUS	UiPTR	F1B	200	
SRAL	7054,0	1700-0800	dly	10	RUS	UiPTR	F1B	200	25 Hz dotter
SRAL	7059,0	0700-1600	*	10		UiPTR	F1B	250	Days 22,26,28
SRAL	7061,0	0600-1515	*	10		UiMUX	J7D		Days 7,14,22,27-29
SRAL	7076,0	1000-1300	22,27	10		UiPTR	F1B	250	
SRAL	7080,0	0600-1530	*	10	RUS	UiPTR	F1B	200	Days 11,12,18,22,26,27
SRAL	7084,0	0630-0800	28	10		UiPTR	F1B	200	
SRAL	7086,0	1200-1300	28	10		UiMUX	J7D		
SRAL	7100,0	1800-2100	dly	10	KRE	VoKorea	A3E		
SRAL	7105,0	1800-1802	1-15	10		UiCarr	N0N		
SRAL	7110,0	*	dly	10	ETH	R Eth.	A3E		0330-0530, 1300-2030
SRAL	7111,0	1110	18	10		UiPTR	F1B	250	
SRAL	7112,0	0740,1450	22,23	10		UiPTR	F1B	250	
SRAL	7116,0	0750	14	10		UiPTR	F1B	220	
SRAL	7117,0	1300-1900	dly	10	RUS	REA4	F1B	1000/500	
SRAL	7119,5	0630-0730	2	10		UiPTR	F1B	200	
SRAL	7120,0	1500-1600	2,3	10	TCD	ONRTT	A3E		N'Djamena TX
SRAL	7121,0	1215	22	10		UiMux	J7D		
SRAL	7122,0	0430-1630	dly	10	RUS	RDL	F1B	250	Kaliningrad, dotter 25 Hz
SRAL	7124,0	0800-1430	7,25	10		UiMUX	J7D		
SRAL	7125,0	1800-2030	dly	10		UiBC	A3E		
SRAL	7127,0	0510-1530	1-10	10		ZNMA	A1A		
SRAL	7128,0	1000-1200	15	10		UiMux	J7D		
SRAL	7135,0	1500-2000	1-22	10	BLR	R BLR	A3E		
SRAL	7135,0	0550-2000	23,24	10	BLR	R BLR	A3E		
SRAL	7140,0	0900-1300	dly	10	KRE	R. Korea	A3E		
SRAL	7140,0	0630-1330	13,29	10		UiPTR	F1B	500	
SRAL	7140,6	1025	28	10		UiPTR	F1B	450	
SRAL	7142,0	1100-1730	1,2	10		UiMux	J7D		
SRAL	7144,5	0500-0700	3	10		UiMux	J7D		
SRAL	7145,0	1300-1900	dly	10	SOM	R Hargeisa	A3E		
SRAL	7152,0	1120-	9	10		UiMUX	J7D		

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	SHIFT	REMARKS
SRAL	7155,0	1240-2030	29	10		UiMux	J7D		
SRAL	7162,0	0500-1000	*	10		UiPTR	F1B	250	Days 3,6,16,17,26
SRAL	7165,0	0330-0530	dly	10	ETH	R ETH	A3E		Some times jammed
SRAL	7165,0	1300-1830	dly	10	ETH	R ETH	A3E		Some times jammed
SRAL	7169,0	0625-1400	28, 29	10	RUS	UiPTR	F1B	200	
SRAL	7171,0	0700-1630	*	10		UiMUX	J7D		Days 9,20,27,28
SRAL	7174,5	0600-1230	12, 16	10		UiPTR	F1B	250	
SRAL	7175,0	0330-0630	dly	10	ERI	VoBME	A3E		Some times jammed
SRAL	7175,0	1300-2000	dly	10	ERI	VoBME	A3E		Some times jammed
SRAL	7176,0	0630-1500	2,9	10	KAZ?	UiPRT	F1B	250	
SRAL	7186,0	0430-1800	*	10	RUS	UiMUX	J7D		Murmansk, days 1-9,20,26-30
SRAL	7190,5	1320	21	10	RUS	RIR2	A1A		
SRAL	7192,0	1500-1800	1,28	10		UiPTR	F1B	250	
SRAL	7192,5	0530-1330	8,23, 24	10		UiMux	J7D		
SRAL	7193,0	0520-1400	*	10	RUS	C5B2	A1A		Days 10,23,27
SRAL	7194,0	1530-1600	28	10		UiMux	J7D		
SRAL	7196,0	0630-0900	*	10		UiPTR	F1B	200	Days 1,7,14, 21
SRAL	7198,0	0430-1730	13-19	10	RUS	UiMUX	J7D		
SRAL	7200,0	0130-2100	dly	10	SDN	R Sudan	A3E		
SRAL	7200,0	0730-1400	dly	10	RUS	R Rossii	A3E		
SRAL	10130	0600-1200	10, 24	10	CYP	OTHR	P0N		
SRAL	14006	0635-1200	*	10	RUS	UiPTR	F1B	250	Days 8,15, 20
SRAL	14008	0905-0920	15, 27	10		UiPTR	F1B	500	
SRAL	14037	0620-1110	*	10		UiPTR	F1B	250	Days 9,12,16,19
SRAL	14122	0740-1000	8,9	10		UiMux	J7D		
SRAL	14135	1030-1120	1, 22	10		UiPTR	F1B	250	
SRAL	14184	0745	9	10		UiPTR	F1B		
SRAL	14202,4	0640	11	10		UiPTR	F1B	850	
SRAL	14222	0645	7	10		UiMux	J7D		
SRAL	14240	0645-0830	14	10	RUS	UiOTHR	P0N		50 Hz
SRAL	14268	0810-0910	27	10		UiMUX	J7D		
SRAL	14291	0750	26	10		UiMUX	J7D		
SRAL	14295	0430-1630	dly	10	TJK	R Tojikiston	A3E		3f 4765 kHz, Yangiyul TX
SRAL	21001,5	0830	14	10	RUS	UiPTR	F1B	150	

USKA – Switzerland – HB9CET (Peter)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
USKA	7000.0	1953	02	10	IRQ	SHDTC	MFSK8	125	1750	MIL 188-141A, ALE * daily
USKA	7000.0	2000	02	10		T1Z	MFSK8	125	1750	MIL 188-141A, ALE * daily
USKA	7000.0	1859	03	10		WARTOC	MFSK8	125	1750	MIL 188-141A, ALE * daily
USKA	7000.0	1906	03	10		GUNTOC	MFSK8	125	1750	MIL 188-141A, ALE * daily
USKA	7000.0	2001	03	10		T1Z137	MFSK8	125	1750	MIL 188-141A, ALE * daily
USKA	7000.0	2021	03	10		T1Z150	MFSK8	125	1750	MIL 188-141A, ALE * daily
USKA	7000.0	2033	03	10		T28	MFSK8	125	1750	MIL 188-141A, ALE * daily
USKA	7000.0	1253	08	10			J7D	12x120	2600	PSK-2: CIS 12 = AT3004D
USKA	7000.0	1552	08	10			J3E-U			italian language, no ham
USKA	7000.0	1815	11	10		LEL	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7000.0	2018	11	10		R318	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7000.0	2037	11	10		T28CAB	MFSK8	125	1750	MIL 188-141A, ALE * daily
USKA	7000.0	1517	19	10		T1Z130	MFSK8	125	1750	MIL 188-141A, ALE * daily
USKA	7000.9	1430	27	10			A1A	100bpm		encrypted, letters in groups
USKA	7005.0	1659	25	10			J3E-L			spanish stations, no ham
USKA	7008.0	1314	25	10			F1B	50	250	unid daily
USKA	7010.0	1005	06	10	MKD	CS002B	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7010.0	1022	06	10		RS0017A	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7010.0	1016	16	10		BS0	MFSK8	125	1750	MIL 188-141A, ALE
USKA	7011.8	1545	05	10			PSK8	2400bps		MIL 188-110A 75 bps short
USKA	7011.8	1616	05	10			PSK8	2400bps		MIL 188-110A 600 bps long
USKA	7011.8	1637	05	10			PSK8	2400bps		MIL 188-110A 300 bps long
USKA	7011.8	1238	27	10			PSK8	2400bps		MIL 188-110A 75 bps short
USKA	7015.0	1423	26	10			J7D	12x120	2600	CIS 12 = AT3004D
USKA	7018.6	2042	12	10			N0N			long lasting carrier
USKA	7018.6	1121	13	10			N0N			long lasting carrier
USKA	7020.0	1231	05	10			F1B	75	250	unid
USKA	7020.0	1244	05	10	MKD	RS0013D	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7020.0	1107	06	10		RS0013	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7020.0	1320	06	10		RS004D	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7020.0	1502	06	10		CS004A	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7020.0	1024	16	10		CS0	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7020.0	1011	28	10			F1B	75	250	unid frequently
USKA	7028.0	2011	04	10			J3E-U			unid language, several stations
USKA	7030.0	1220	05	10			F1B	75	250	unid
USKA	7030.0	1225	05	10			F1A			followed by F1B
USKA	7030.0	1859	19	10			J7D	12x120	2600	CIS 12 = AT3004D
USKA	7030.3	2121	03	10			QPSK	75	2250	4+4 Parallel Tone Modem
USKA	7030.3	1911	05	10			QPSK	75	2250	4+4 Parallel Tone Modem
USKA	7038.7	1907	02	10	UKR	D	A1A			Beacon D Sevastopol daily
USKA	7038.8	1844	04	10		Z	A1A			Beacon Z
USKA	7038.9	1909	02	10	RUS	S	A1A			Beacon S Murmansk daily
USKA	7039.0	2005	04	10	RUS	C	A1A			Beacon C Moscow daily
USKA	7039.2	2129	03	10	RUS	F	A1A			Beacon F Vladivostok daily
USKA	7039.4	2016	28	10			A1A			dots only
USKA	7044.0	1249	27	10			F1B	50	200	unid
USKA	7047.0	1535	30	10			J7D	12x120	2600	PSK-2A: CIS 12 = AT3004D
USKA	7054.0	1921	02	10	RUS		F1B	50	200	unid, near Moscow daily
USKA	7055.4	1713	12	10		131	MFSK8	125	1750	MIL 188-141A, ALE
USKA	7057.3	1716	12	10			PSK8	2400bps		MIL 188-110A 300 bps long
USKA	7059.0	1354	26	10			F1B	75	250	unid frequently
USKA	7063.3	1934	05	10			QPSK	75	2250	4+4 Parallel Tone Modem
USKA	7079.0	1548	26	10			J7D	12x120	2600	PSK-2: CIS 12 = AT3004D
USKA	7079.0	1703	30	10			J7D	12x120	2600	PSK-2: CIS 12 = AT3004D
USKA	7079.9	1126	27	10		REU	F1A			followed by F1B
USKA	7080.0	1251	11	10			F1B	50	200	unid almost daily
USKA	7083.0	1557	27	10			N0N			long lasting carrier
USKA	7089.1	1316	09	10			F1B	100	200	unid ARQ
USKA	7089.9	1317	09	10			F1C	60rpm		Wefax 60rpm IOC 576 daily
USKA	7100.0	1929	02	10			A3E			BC
USKA	7110.0	1928	02	10			A3E			BC
USKA	7114.0	1602	27	10			J7D	12x120	2600	PSK-2: CIS 12 = AT3004D
USKA	7116.0	2093	08	10			MFSK8	125	1750	MIL 188-141A, ALE

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
USKA	7116.0	1623	20	10		RJF94	A1A			calling RCH84 frequently
USKA	7117.0	1923	02	10	RUS	REA4	F1B	50	1000	often 500Hz, near Moscow daily
USKA	7117.0	1903	19	10	RUS	REA4	F1B	50	500	or 1000 Hz
USKA	7117.0	1936	27	10	RUS	REA4	F1B	50	500	
USKA	7117.0	1942	27	10	RUS	REA4	F1A			cw, followed by F1B
USKA	7122.0	1925	02	10			F1B	50	200	unid daily
USKA	7122.0	0916	15	10			F1A			unid, followed by F1B daily
USKA	7124.0	1317	25	10			J7D	12x120	2600	PSK-2: CIS 12 = AT3004D
USKA	7125.0	1932	02	10			A3E			BC
USKA	7126.0	1617	26	10			A1A			letters and figures
USKA	7127.0	1143	15	10			J7D	12x120	2600	PSK-2: CIS 12 = AT3004D
USKA	7135.0	1931	02	10			A3E			BC
USKA	7140.0	1803	16	10	UZB	110	MFSK8	125	1750	MIL 188-141A, ALE
USKA	7140.0	1820	16	10	UZB	170	MFSK8	125	1750	MIL 188-141A, ALE
USKA	7140.0	2311	16	10	UZB	171	MFSK8	125	1750	MIL 188-141A, ALE
USKA	7140.0	1629	17	10	UZB	462	MFSK8	125	1750	MIL 188-141A, ALE
USKA	7145.0	1727	03	10			A3E			BC
USKA	7151.0	1135	06	10			J7D	12x120	2600	PSK-2: CIS 12 = AT3004D
USKA	7162.0	1223	05	10	RUS		F1B	75	250	unid, frequently
USKA	7165.0	1726	03	10			A3E			BC
USKA	7169.0	1927	08	10			F1B	40.5	1000	unid, ARQ (RXD)
USKA	7171.0	1927	08	10			F1B	40.5	1000	unid, ARQ (TXD)
USKA	7172.0	1727	09	10			J7D	12x120	2600	PSK-2: CIS 12 = AT3004D
USKA	7175.0	1927	02	10			A3E			BC daily
USKA	7176.0	1334	09	10			F1B	50	250	unid
USKA	7180.0	2124	03	10			A3E			BC
USKA	7186.0	1103	03	10			J7D	12x120	2600	PSK-2: CIS 12 = AT3004D daily
USKA	7189.0	1558	06	10			J7D	12x120	2600	CIS 12 = AT3004D, idling
USKA	7198.0	1855	12	10	RUS		J7D	12x120	2600	PSK-2: CIS 12 = AT3004D
USKA	7200.0	1926	02	10			A3E			BC daily
USKA	14000.0	0911	18	10			N0N			long lasting carrier frequently
USKA	14006.0	0801	15	10			F1B	75	250	unid
USKA	14008.0	0906	15	10			F1B	50	500	unid
USKA	14037.0	1139	09	10			F1B	100	250	unid
USKA	14141.0	0904	15	10			F1B	75	500	unid
USKA	14162.0	0846	18	10			F1B	50	500	unid
USKA	14169.0	1139	27	10			F1B	50	200	unid
USKA	14180.0	1138	27	10			F1B	50	200	unid
USKA	14192.0	1135	27	10	RUS		F1B	50	200	unid frequently
USKA	14202.0	1114	03	10			F1B	100	850	unid
USKA	14264.0	0605	16	10			J7D	12x120	2600	CIS 12 = AT3004D
USKA	14291.0	0614	16	10			J7D	12x120	2600	CIS 12 = AT3004D
USKA	14320.0	1342	09	10			F1B	300	500	unid
USKA	14332.0	0802	15	10			F1B	?	250	unid
USKA	14338.0	1338	04	10			F1B	75	500	unid
USKA	18107.0	0918	17	10			F1B	50	200	unid daily

*) These ALE MIL 188-141A Stations have been reported as US Forces in Irak

Veron 1 – Netherlands – PA0GRU (Dick)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SHIFT	DETAILS
VERON	3506,0	17.27	7	10		UiPTR	F1B	250	Ptr
VERON	3548,0	17.28	7	10	UKR	PIP	A1A		channel-marker
VERON	3548,0	17.29	7	10		UiPTR	F1B	200	Ptr
VERON	3553,0	17.30	7	10		UiMUX	G7D		Stanag-4285, also 20/10
VERON	3607,0	18.11	25	10		UiCW	A1A		5F cyrillic
VERON	3720,0	17.35	7	10		UiPTR	F1B	850	
VERON	3735,0	18.27	20	10		UiPTR	F1B	500	Revs, also 27/10
VERON	3782,0	18.30	20	10	POR	CTP	F1B	850	Navy HQ Lisboa
VERON	3782,0	18.50	17	10	POR	UiPtr	F1B	850	Printer
VERON	7008,0	17.03	23	10		UiPTR	F1B		Ptr
VERON	7013,0	14.14	7	10		UiMUX	J7D		12 MPSK AT3004-D

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SHIFT	DETAILS
VERON	7013,0	14.35	7	10		UiMUX	J7D		MPSK-12, 2k6 wide
VERON	7019,0	11.00	12	10		UiPTR	F1B		Ptr
VERON	7036,0	14.03	8	10		Z	A1A		Z-beacon
VERON	7038,7	vt	vd	10	UKR	D	A1A		D-beacon
VERON	7038,7	vt	vd	10	UKR	D	A1A		Beacon Sevastopol
VERON	7038,9	vt	vd	10	RUS	S	A1A		S-beacon
VERON	7038,9	vt	vd	10	RUS	S	A1A		Beacon Murmansk
VERON	7049,0	11.29	20	10		UiPTR	F1B		Ptr
VERON	7054,0	vt	vd	10	CIS	UiPTR	F1B		Revs
VERON	7054,0	vt	vd	10	RUS	UiPTR	F1B	200	Ptr/Revs, 6 days
VERON	7054,0	17.00	17	10	RUS	UiPtr	F1B	200	Printer
VERON	7080,0	18.42	28	10		UiPTR	F1B	200	Ptr
VERON	7080,0	14.09	18	10	RUS	UiPtr	F1B	200	Printer
VERON	7090,0	09.18	18	10	RUS	UiMUX	J7D		MPSK-12
VERON	7110,0	vt	vd	10		UiBC	A3E		music/speech
VERON	7110,0	20.55	27	10		UiBC	A3E		Chinese music
VERON	7114,0	17.30	21	10		UiPTR	F1B		Ptr
VERON	7116,0	vt	vd	10	RUS	UiPtr	F1B	1000	Printer
VERON	7117,0	17.40	23	10	RUS	REA4	F1A		H+40 5F (followed by Revs)
VERON	7117,0	vt	vd	10		UiPTR	F1B		Revs
VERON	7117,0	vt	vd	10	RUS	UiPTR	F1B	1000	Ptr/Revs, 6 days
VERON	7117,0	16.06	17	10	RUS	REA4	F1B	1000	Ptr/Revs, 28/10
VERON	7122,0	vt	vd	10	RUS	UiPTR	F1B		Revs/Ptr, also 18/10
VERON	7125,0	18.41	25	10	RUS	UiMUX	J7D		12 MPSK AT3004-D
VERON	7136,0	17.25	1	10		UiBC	A3E		music/song Russian language
VERON	7141,0	17.20	1	10	RUS	UiMUX	J7D		12 MPSK AT3004-D
VERON	7162,0	09.04	16	10		UiPTR	F1B	250	Ptr
VERON	7165,0	vt	vd	10		UiBC	A3E		songs/music Chinese language?
VERON	7165,0	14.28	7	10		UiBC	A3E		Unstable carrier, S9+20
VERON	7175,0	12.32	12	10		UiCW	F1A		QRJ ? k (followed by Revs)
VERON	7175,0	12.32	12	10		UiPTR	F1B		Revs
VERON	7175,0	vt	vd	10		UiBC	A3E		music/songs Asiatic?
VERON	7186,0	20.05	27	10		UiMUX	J7D		12 MPSK AT3004-D, also 28/10
VERON	7187,0	18.18	20	10	RUS	UiMUX	J7D		12 MPSK AT3004-D
VERON	7188,0	09.27	22	10		UiPTR	F1B	250	Revs
VERON	7193,0	19.10	23	10	RUS	UiMUX	J7D		12 MPSK AT3004-D
VERON	7196,0	vt	vd	10	CIS	UiPTR	F1B	200	Ptr, 2 days
VERON	7197,0	17.19	1	10	RUS	UiMUX	J7D		12 MPSK AT3004-D
VERON	10102,5	14.24	7	10		UiCAR	NON		Strong persistant carrier S9+10
VERON	10112,0	vt	vd	10	TUR	UiMUX	G7D		MPSK-8 Stanag, 2k7 wide
VERON	10121,0	11.28	20	10		UiPTR	F1B		Ptr
VERON	14005,0	08.48	8	10		UiPTR	F1B	250	Ptr
VERON	14006,0	11.20	20	10	CIS	UiPTR	F1B		Revs/Ptr
VERON	14006,0	08.53	8	10		UiPTR	F1B	250	Ptr
VERON	14008,0	vt	vd	10	RUS	UiPTR	F1B	500	Ptr, 2 days
VERON	14014,0	6	10	10	CIS	UiCW	A1A		5F cyrillic
VERON	14035,0	12.17	19	10		UiPTR	F1B	250	Ptr
VERON	14037,0	09.35	9	10		UiPTR	F1B	250	Ptr
VERON	14066,0	15.54	10	10		UiCAR	NON		carrier
VERON	14110,0	14.12	7	10		UiMUX	J7D		MPSK-12
VERON	14110,3	12.42	8	10		UiPtr	F1B	200	Printer
VERON	14120,0	09.36	9	10	RUS	UiMUX	J7D		12 MPSK AT3004-D
VERON	14134,0	07.57	1	10		UiPTR	F1B	200	Ptr
VERON	14135,0	11.41	19	10		UiPTR	F1B		Ptr
VERON	14135,0	07.50	22	10		UiPTR	F1B	250	Ptr
VERON	14141,0	09.21	15	10		UiPTR	F1B	500	Ptr
VERON	14160,0	08.25	4	10		UiCAR	A1A		Strong Carrier
VERON	14160,0	08.32	13	10		UiCW	A1A		5F cyrillic
VERON	14160,0	08.01	14	10	RUS	OHTR	PON		AMB-2 Radar
VERON	14162,0	11.42	19	10		UiPTR	F1B		Revs/Ptr
VERON	14162,0	12.18	19	10		UiPTR	F1B	500	Revs
VERON	14169,0	12.44	8	10	BLR	UiPtr	F1B	250	Printer
VERON	14174,0	07.58	1	10	RUS	OTHR	PON		AMB-2 Radar

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SHIFT	DETAILS
VERON	14184,0	07.04	20	10-		UiPTR	F1B	250	Revs
VERON	14220,8	12.52	8	10		UiCAR	NON		Strong persistant carrier S9
VERON	14240,0	11.07	29	10		UiPTR	F1B		Ptr
VERON	14240,0	08.02	14	10	RUS	OHTR	PON		AMB-2 Radar
VERON	14250,0	07.51	22	10		UiPTR	F1B		Revs
VERON	14289,0	10.07	25	10	RUS	UiMUX	J7D		12 MPSK AT3004-D
VERON	14295,0	12.56	8	10		UiCAR	NON		Wobbling carrier S6
VERON	14330,0	07.54	20	10	RUS	OHTR	PON		AMB-2 Radar
VERON	18107,0	vt	vd	10	CIS	UiPTR	F1B		Carrier/Revs/Ptr
VERON	18107,0	10.09	16	10		UiPTR	F1B	200	Ptr, 5 days
VERON	18129,8	14.45	28	10		UiCAR	NON		Persistant carrier S5
VERON	18130,0	07.45	6	10		UiPTR	F1B		unid Ptr
VERON	21002,0	10.00	14	10		UiPTR	F1B	250	Ptr
VERON	21051,3	11.01	8	10		UiCAR	NON		Strong persistant carrier S9+10
VERON	21112,4	11.03	8	10		UiCAR	NON		Strong persistant carrier S9+10
VERON	21173,4	11.04	8	10		UiCAR	NON		Strong persistant carrier S9
VERON	21250,0	15.00	18	10		OTHR	PON		radar
VERON	24902,5	10.57	8	10		UiCAR	NON		Persistant carrier S8
VERON	28312,0	13.43	7	10	G/CYP?	OTHR	PON		70 Hz system
VERON	28317,0	10.51	8	10	G/CYP?	OTHR	PON		70Hz system
VERON	28318,0	14.30	28	10		UiMUX	J7D		MPSK-16

Veron 2 – Netherlands – PA0GRU (Dick)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SHIFT	DETAILS
VERON	7008,0	15.48	27	10		UiPtr	F1B	250	Ptr
VERON	7013,5	20.49	30	10	M.East	UiILL	J3E-u		Arabic/N.Africa male voices
VERON	7036,3	05.40	vd	10	RUS	UiMUX	J7D		12 MPSK AT 3004-D, 19.50 utc, 8 days
VERON	7038,7	05.45	vd	10	UKR	D	A1A		19.52 utc, beacon, 10 days
VERON	7038,9	05.45	vd	10	RUS	S	A1A		19.52 utc, beacon, 10 days
VERON	7039,2	15.34	vd	10	RUS	F	A1A		19.54 utc, beacon, 4 days
VERON	7039,4	14.22	vd	10	RUS	M	A1A		17.26 utc, beacon, 4 days
VERON	7052,0	18.50	8	10		UiPtr	F1B	250	Revs
VERON	7054,0	05.58	vd	10	RUS	UiPtr	F1B	250	19.56 utc, Revs/Ptr, 9 days
VERON	7062,0	17.50	8	10	CIS	UiCW	A1A		strings of cyrillic morse
VERON	7100,0	20.00	2	10	KRE	V.N.Korea	A3E		BC
VERON	7110,0	20.05	2	10	ETH	R.Ethiopa	A3E		BC
VERON	7110,0	17.37	20	10	ETH	R.Ethiopa	A3E		Radio Ethiopia, BC unknown language
VERON	7112,0	06.59	22	10		UiPtr	F1B		Ptr
VERON	7114,0	16.40	21	10		UiPtr	F1B	250	Revs, Ptr
VERON	7117,0	13.30	vd	10		UiPtr	F1B	1000	20.09 utc, Revs, 5 days
VERON	7122,0	20.18	19	10	RUS	RDL	F1B	250	Revs,Ptr, also 20/10
VERON	7122,0	07.53	20	10	RUS	RDL	F1A	250	RDL RDL RDL 52516(etc, 5F) K
VERON	7122,0	06.52	22	10	RUS	RDL	F1A	250	5F
VERON	7122,0	06.51	30	10		RDL	F1B	250	Revs, Ptr
VERON	7127,0	06.13	22	10		3GN7	A1A		to V1ZF: 6F, 5F, proc
VERON	7127,0	06.51	24	10		3GN7	A1A		proc
VERON	7127,0	06.48	26	10		3GN7	A1A		proc
VERON	7127,0	06.38	27	10		3GN7	A1A		to BHQ7, p1PT, F4EJ,7NGT: proc
VERON	7127,0	07.11	30	10		3GN7	A1A		to V1ZF: 6F, 5F, proc
VERON	7160,0	18.46	23	10	E	UiILL	J3E-u		Spanish male voices
VERON	7165,0	18.00	20	10		UiBC	A3E		music and speech
VERON	7193,0	07.13	30	10		J5ZZ	A1A		to AYAN, ZAMA, GDCU
VERON	7193,0	07.13	30	10		AYAN	A1A		to J5ZZ: proc
VERON	7193,0	07.14	30	10		ZAMA	A1A		to J5ZZ: proc
VERON	7193,0	07.15	30	10		TQJZ	A1A		to J5ZZ: proc
VERON	14071,0	07.56	15	10		UiMUX	J7D		09.00 utc, 12 MPSK
VERON	14192,0	07.12	vd	10	RUS	UiPtr	F1B	500	07.48 utc, Revs/Ptr, 2 days

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SHIFT	DETAILS
VERON	14211,0	10.10	212	10		UiPtr	F1B	250	Ptr
VERON	14345,0	08.45	11	10	E	UiILL	J3E-u		Spanish male/female

Appendix:

Report from VU1UR (Arasu) to ARSI

kHz	BW kHz	YYYY	MM	DD	UTC	MODE	ITU	ID	DESCRIPTION.	SOCIETY
7200	5	2009	10	28	<0211-0218>	A3E	BRM	BC	DOMESTIC SERVICE BC	ARSI
7200	5	2009	10	30	<1800-1818>	A3E	SDN	BC	ARABIC BROADCASTS	ARSI
7190	6	2009	10	28	<0205-0245>	A3E	CLN	SLBC	SRI LANKA B/C BC SERVICE TO SOUTH ASIA	ARSI
7175	5	2009	10	30	<1735-1803>	A3E	UNID	UNID	ARABIC BROADCASTER	ARSI
7165	6	2009	10	29	<1409-1535>	A3E	UNID	UNID	TWO BC STATIONS CONTINUED ON FREQ.	ARSI
7165	5	2009	10	30	<1802-1815>	A3E	UNID	UNID	CHINSE BROADCASTER	ARSI
7160	5	2009	10	29	<0315-0325>	A3E	IND	CHENNAI	IM-PRODUCT OF AIR-CHENNAI	ARSI
7145	4	2009	10	28	<1209-1225>	A3E	LAO	LNR	INTERNATIONAL BC SERVICE-VIETNAMESE	ARSI
7145	5	2009	10	30	<1800-1805>	A3E	UNID	UNID	ARABIC BROADCASTER	ARSI
7124		2009	10	28	<1206-1211>	J3E/U	CLN	UNID	SINHALA SPEAKING OM-OM QSOs	ARSI
7110	5	2009	10	29	0300-0235>	A3E	ETH	DS	DOMESTIC SERVICE--ETHIOPIAN RADIO	ARSI
7110	4	2009	10	29	<1405-1535>	A3E	ETH	DS	DOMESTIC SERVICE--ETHIOPIAN RADIO	ARSI
7110	5	2009	10	30	<1800-1805>	A3E	ETH	DS	DOMESTIC SERVICE--ETHIOPIAN RADIO	ARSI
7100	6	2009	10	30	<1800-1810>	A3E	KRE	VoK	DPRK-FRENCH INTERNATIONAL BC SERVICE	ARSI
7086.6		2009	10	28	<1207-1211>	J3E/U	CLN	UNID	SINHALA SPEAKING OM-OM QSOs	ARSI
7085		2009	10	01	<0211-0218>	J3E/U	CLN	UNID	SINHALA SPEAKING OM-OM QSOs	ARSI
7070.4		2009	10	28	<1210-1215>	J3E/U	CLN	UNID	SINHALA SPEAKING OM-OM QSOs	ARSI
7051.4		2009	10	28	<0216-0225>	J3E/U	CLN	UNID	SINHALA SPEAKING OM-OM QSOs	ARSI
7050	3	2009	10	01	<0212-0235>	A3E	IND	CHENNAI	IM-PRODUCT OF AIR-CHENNAI	ARSI
7050	3	2009	10	31	<0220-0235>	A3E	IND	CHENNAI	IM-PRODUCT OF ALL INDIA RADIO-CHENNAI	ARSI
7031		2009	10	28	<1210-1216>	J3E/U	CLN	UNID	SINHALA SPEAKING OM-OM	ARSI

kHz	BW kHz	YYYY	MM	DD	UTC	MODE	ITU	ID	DESCRIPTION.	SOCIETY
									QSOs	
7025		2009	10	30	<1156-1205>	J3E/U	CLN	UNID	SINHALA SPEAKING OM-OM QSOs	ARSI
7025		2009	10	31	<0231-0238>	J3E/U	CLN	UNID	SINHALA SPEAKING OM-OM QSOs	ARSI
7024.4		2009	10	28	<1210-1216>	J3E/U	CLN	UNID	SINHALA SPEAKING OM-OM QSOs	ARSI
7023		2009	10	01	<0940-0952>	J3E/U	CLN	UNID	SINHALA SPEAKING OM-OM QSOs	ARSI
7012.5		2009	10	01	<0200-0211>	J3E/U	CLN	UNID	SINHALA SPEAKING OM-OM QSOs	ARSI
7012	3	2009	10	29	<0235-0245>	A3E	IND	UNID	HINDI NEWS—IM PRODUCT UNID ALL INDIA RADIO	ARSI
7011		2009	10	01	<0940-0950>	J3E/L	CLN	UNID	SINHALA SPEAKING OM-OM QSOs	ARSI
7011		2009	10	28	<1206-1210>	J3E/U	CLN	UNID	SINHALA SPEAKING OM-OM QSOs	ARSI
7011		2009	10	30	<1150-1156>	J3E/U	CLN	UNID	SINHALA SPEAKING OM-OM QSOs	ARSI
7010		2009	10	30	<1200-1205>	J3E/U	CLN	UNID	SINHALA SPEAKING OM-OM QSOs	ARSI
7010		2009	10	30	<1200-1205>	J3E/U	INS	UNID	NON HAM INDONESIAN QSOs	ARSI
7005		2009	10	28	<1206-1210>	J3E/U	INS	UNID	NON HAM 2 MALES IN QSO.	ARSI
7002		2009	10	28	<1206-1210>	J3E/U	INS	UNID	NON HAM 2 MALES IN QSO.	ARSI
18145.3		2009	10	28	<1200-1210>	J3E/U	UNID	UNID	SOUTH EAST ASIAN MALES IN QSO	ARSI
14252.5		2009	10	30	<1239-1245>	J3E/U	CLN	UNID	SINHALA SPEAKING OM-OM QSOs	ARSI
14141.3		2009	10	30	<1239-1245>	J3E/U	CLN	UNID	SINHALA SPEAKING OM-OM QSOs	ARSI
14020		2009	10	30	<1130-1140>	J3E/U	CLN	UNID	SINHALA SPEAKING OM-OM QSOs	ARSI
14018		2009	10	28	<0202-0205>	J3E/U	UNID	UNID	FAMILY TALK; YL USED "ROGER"; ENGLISH USED.	ARSI

IARUMS Region 1

Many thanks for your interest!

The monitoring team of IARU Region 1

credits:

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SSB-Electronic – Iserlohn – Germany

BAZ – Special Antennas - Germany

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