



Monitoring System

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The monthly newsletter for Region 1

April 2010

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 ++ OEVSV: OE3DMA – Alex ++ PZK: SP3SUZ – Wladyslaw ++ RAL: OD5RI – Riri ++
++ REP: CT4AN – Jose and CT1JTQ – Angelo ++ 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) ++ German PTT (BNetzA) ++ 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. Radio Kuwait on 7150 kHz and 7190 kHz in the Exclusive 40-m-Band quickly stopped - reported by DJ9KR

On 13 April I stumbled over a loud station with S9+30dB-signal on 7190 kHz transmitting in Arabic language. The identification was easy, it was Radio Kuwait. The same day I found another "new" station on 7150 kHz which was also Radio Kuwait. I quickly informed the German Telecoms. Authorities Bundesnetzagentur (Federal Network Agency) BnetzA about the interference. They pin-pointed the stations and sent International Complaints to the Kuwait telecommunications authorities.

I also sent a FAX and an email to the Embassy of Kuwait in Berlin (no answer so far...) and emails to Radio Kuwait and to the Ministry of Telecoms. in Kuwait.

The most important fact is, that the IARU MONITORING SYSTEM Intruder Watch has a coordinator in Kuwait,

OM Faisal Al-Ajmi, 9K2RR. He immediately rang up Radio Kuwait. By means of Internet I alerted all Intruder Watches also to listen on 7150 und 7190 kHz and to report to their telecommunications authorities.

Many did! The Internet is a very important tool for the Monitoring System to alarm all participant Intruder Watches with "Intruderalarm": Just with one mouse click the IARU MS Coordinator Wolf Hadel DK2OM or his Coordinator Ulrich Bihlmayer DJ9KR can reach all Intruder Watches and contributors to initiate an action.

Really very helpful! Our big thanks go to Faisal 9K2RR, to German Federal Net Agency "Bundesnetzagentur" and to the other coordinators of various Intruder Watches in Region 1 who informed their telecommunication authorities for their quick action!

2. Meeting of DARC MONITORING SYSTEM INTRUDER WATCH at HAM-RADIO-Fair 2010

Friedrichshafen, Germany Motto: "**40 Years of DARC Intruder Monitoring System**"

Day/Time: Saturday, June 26th 10.00 - 11.30 hrs local time / Place: Room "Schweiz" in Hall A2 on the Ham Radio Site.

Program: Greetings and Lecture of Ulrich Bihlmayer (DJ9KR), Vice Coordinator of IARU MONITORING SYSTEM Intruder Watch and Coordinator of DARC Bandwatch "40 Years of DARC Bandwatch".

Lecture 1: Dipl. Ing. Edmund Grim, Federal Network Agency BNetzA Konstanz,

Lecture 2: Wolf Hadel (DK2OM) IARUMS-R1 and Vice Coordinator of DARC Bandwatch: "How to identify Digital Intruders – "From Cheap Solutions to Hightech"

After the lectures of DJ9KR and DK2OM we will have our IARUMS Region 1 meeting at 1130 local time.

Room "Schweiz" and then at the stall of the DARC HF-Department.

3. Good news from Spain:

EA5DY, Salvador Domenech Fernandez, the new URE MS-Co-ordinator in front of his equipment. Salvador is welcomed to our increasing family! Now we have 20 members in our Region 1 Monitoring Team.



- 4. 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 OVERVIEW FOR April, 2010

Somalia intruders on 40 meters were less prominent than usual, probably due to propagation conditions which were otherwise much better locally. Francophone Central African stations were heard more. Broadcast stations in the 40 meter band were notable. Radio Kuwait appeared on 7150 and 7190 kHz but later shut down after representations were made by Amateur sources. Addis Ababa, the Voice of the Broad Masses (Eritrea) and Khartoum continued to use the band, and what is thought to have been Radio Madagascar appeared on 7105 kHz. Chinese type music was heard on 7140 kHz on one day, but the station was not identified. Jamming of VOBM by Addis Ababa and frequency hopping to avoid it by the latter were both evident. One incursion by VOBM occurred on 7090 kHz.

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	7000.0	1445	23	4	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7002.0	0822	27	4	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7006.0	1312	10	4	ZAI	UiPHONE	J3Eu	Vernacular.
ARSK	7008.0	vt	*	4	ZAI	UiPHONE	J3Eu	Vernacular.*14,22,23,
ARSK	7008.0	0930	23	4	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7012.0	vt	dly	4	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7015.0	vt	*	4	SOM	UiPHONE	J3Eu	Somalis.*19,20,24,
ARSK	7017.0	0550	19	4	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7025.0	0841	22	4	ZAI	UiPHONE	J3Eu	French, vernacular.
ARSK	7027.0	0832	27	4	ZAI	UiPHONE	J3Eu	French, unidentified NGO, Selcal..
ARSK	7028.0	vt	*	4	SOM	UiPHONE	J3Eu	Somalis. *17,30.
ARSK	7030.0	0743	28	4	ZAI	UiPHONE	J3Eu	French.
ARSK	7035.0	1315	14	4	ZAI	UiPHONE	J3Eu	French.
ARSK	7040.0	vt	*	4	SOM	UiPHONE	J3Eu	Somalis.*26,27,
ARSK	7042.0	0524	17	4	ZAI	UiPHONE	J3Eu	French, vernacular.
ARSK	7048.0	vt	*	4	SDN	UiPHONE	J3Eu	English, vernacular. NGO message traffic.*11,20,
ARSK	7048.0	vt	*	4	SDN	UiPHONE	J3E	Vernacular, English.*7,19,
ARSK	7050.0	vt	*	4	SOM	UiPHONE	J3Eu	Somalis.*11,12,15,19,
ARSK	7057.0	vt	*	4	SOM	UiPHONE	J3Eu	Somalis.*11,27,30.
ARSK	7062.0	vt	*	4	SOM	UiPHONE	J3Eu	Somalis.*11,19,
ARSK	7066.0	0839	22	4	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7068.0	0745	28	4	ZAI	UiPHONE	J3E	French.
ARSK	7070.0	vt	*	4	ZAI	UiPHONE	J3Eu	French, vernacular, KiSwahili.*14,20,22,
ARSK	7074.0	0600	25	4	SDN?	UiPHONE	J3Eu	Vernacular.
ARSK	7077.0	0635	14	4	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7080.0	0820	27	4	ZAI	UiPHONE	J3E	Vernacular.
ARSK	7081.0	0815	24	4	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7090.0	0813	22	4	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7090.0	1715 0530 0746	18 19 28	4	ERI	VOBM	A3E	VOBM, Eritrea.
ARSK	7100.0	vt	dly	4	ERI	VOBM	A3E	Voice of the Broad Masses, Eritrea.

H'd by	kHz	UTC	DD	MM	ITU	Identity	MODE	DETAILS
ARSK	7105.0	1705 0815	22 24	4	MDG?	UiBC	A3E	Broadcast, Madagascar?
ARSK	7110.0	vt	dly	4	ETH	Addis Ababa	A3E	Broadcast, Addis Ababa, Ethiopia
ARSK	7120.0	1610 0345 0637 0352	15 16 17 23	4	ERI?	VOBM	A3E	Broadcast. On 23/04 carrier only, possibly jamming.
ARSK	7125.0	vt	*	4	SOM	UiPHOINE	J3Eu J3E	Somalis.*11,12,27,
ARSK	7135.0	0837	22	4	SOM	UiPHONE	J3Eu	
ARSK	7140.0	1053	14	4	?	UiBC	A3E	Chinese type music, unidentified.
ARSK	7141.0	0920	22	4	SOM	UiPHONE		Somalis.
ARSK	7150.0	vt			SOM	UiPHONE	J3Eu	Somalis.
ARSK	7150.0	vt	*	4	KWT	Radio Kuwait	A3E	Broadcast in Arabic, music, am . *14,15,16,17, later shut down.
ARSK	7160.0	0755	22	4	ETH?	Addis Ababa?	A3E	Broadcast. Ethiopia or Eritrea. Stopped 0830Z.
ARSK	7165.0	vt	dly	4	ETH	Addis Ababa	A3E	Broadcast. Arabic, Amharic.
ARSK	7175.0	vt	dly	4	ERI	VOBM?	A3E	Broadcast.
ARSK	7185.0	0532 1450 0748	19 24 28	4	ETH?	UiBC	A2E	Unidentified broadcast, possibly Amharic or Tigrinya.
ARSK	7190.0	pm	*	4	KWT	Radio Kuwait	A3E	Broadcast in Arabic,music.*14,15,16. Later shut down.
ARSK	7195.0	vt	dly	4	UGA	Kampala	A3E	Broadcast, Radio Uganda
ARSK	7200.0	vt	dly	4	SDN	Khartoum	A3E	Broadcast in Arabic, Khartoum.

DARC – Germany – Part 1 – DJ9KR (Uli)

Remaining BCs between 7100 and 7200 kHz

7100	Voice of Korea (North), KRE
7105	Radio China , Nei Menggu PBS, CHN
7105	Sound of Hope, TWN
7105	<i>RTV Tunisia, IM, frequencies involved 7225 and 7345 kHz, still heard in April 2010</i>
7110	Radio Ethiopia, ETH
7115	Radio China , Nei Menggu PBS, CHN
7120	Radio Tchad, TCD
7125	Radio Conakry, GUI
7130	China National Radio-1, CHN
7130	Sound of Hope, TWN
7135	Belarus Radio 1, Mahiljou Mogilev, BLR
7140	<i>Voice of Korea (North), KRE – 1 April 2010 has moved to 7200, report VK7RH</i>
7140	Voice of Russia, Iakutsk, 1900 – 1500, RUS
7140	<i>Vatican Radio, CVA, IM product – report DJ9KR, also heard by BNetzA</i>
7145	Laos National Radio, LAO
7145	Radio Hargeisa, SOM
7150	Radio China, Huhhot, CHN
7150	Radio Kuwait, KWT – has left QRG!
7155	unid BC, Chinese px heard 2045, S3
7160	Christian Vision, 0400 – 0600, Lusaka, ZMB
7165	Radio China, Nei Menggu PBS, CHN
7165	Radio Ethiopia, ETH
7165	Voice of Democratic Alliance, via R. Ethiopia
7165	Voice of the Broad Masses, ERI
7175	Voice of the Broad Masses, ERI
7180	Voice of Korea (North), Mandarin 2100 – 2155, 2200 – 2255, Korean 2300 - 2350, KRE – not heard in April 2010
7185,7	Myanmar Radio, Burmese 0030 – 0200, English 0200 – 0230, Burmese 0730 – 0930, 1130 – 1430, BRM – heard by DJ9KR May 1 st 2333 - 2351
7185	Sound of Hope, TWN
7185	Voice of the Broad Masses, ERI

7185 China National Radio-1, CHN
7190 SLBC Colombo, Hindi 0030 – 0300, Telugu 0830 – 0930, Tamil 1030 - 1230, Sri Lanka, CLN – **heard by DJ9KR** May 1st, 2010
7190 Radio Uzbekistan, Tashkent, UZB
7190 Radio Yemen, San'a, YEM
7190 Radio Kuwait, 1600 – 2200, KWT – **has left QRG!**
7195 Voice of the Broad Masses, ERI
7195 Radio Bulgaria, BUL
7195 Radio Uganda, English 0600 – 1200 dly, 1200 – 1400 Monday and Sunday, UGA
7200 Radio Omdurman, Arabic 0230 – 2300, 2300 - 0230, SDN
7200 VO Islamic Republic Iran, Spanish 0030 – 0127, 0130 – 0227, 0230 – 0327, IRN
7200 Voice of Russia, warm up 1845 – 0900, Russian 1900 – 1500, RUS – **not heard in April 2010**
7200 AIR Kolkata, heard 30 April 09, from 7210 - sked: 0230 – 0401v, Sat/Sun 0700 – 1000, Sun: 1030 – report José Jacob, VU2JOS
7200 Turkish Radio, Emirler, 0200 – 0300, Uighur px, TUR
7200 *Voice of Korea (North) KRE, 1 April has left 7140, report VK7RH, Robin*

Homepages: www.iaru-r1.org and www.iarums-r1.org and www.qrz.com/db/dj9kr

unid = unidentified

State : 5th May 2010

DARC – Germany – Part 2 – DJ9KR (Uli)

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

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS AND COMMENTS
DARC	1963,0	1956	11	04	G	UiILL	A3E	UK amateurs in A3E (AM), no BC!
DARC	3500,0	vt	vd	04	E	UiILL	J3E-U	Spanish fishery heard 05 12 15 at 1836, 2016, 1940
DARC	3520,0	2023	07	04	E	UiILL	J3E-U	Spanish fishery
DARC	3545,0	vt	01	04	F	UiILL	J3E-U	French fishery
DARC	3550,0	0606	07	04	F	F8FLK, F1JGC, F6HSB	A3E	large net in French voice: Ops Thierry, Lucien, Yvon - no BC!
DARC	3550,0	0730	10	04	F	French Lis Amateurs	A3E	just info, no BC station!
DARC	3553,0	1643	01	04	RUS	UiILL	J3E-L	female Russian voice
DARC	3560,0	2043	08	04	N.Eu	UiILL	J3E-U	Danish voice?
DARC	3560,0	1800	dly	04	KRE	V.o.Korea	A3E	is illegal!
DARC	6996,0	1728	05	04	I	UiILL	J3E-U	very strong Italian net, splatters into ham band
DARC	7000,0	2004	04	04		UiILL	J3E-U	pirates in Arabic voice
DARC	7000,0	1550	08	04	G	UiILL	J3E-U	UK fishery
DARC	7000,0	0846	13	04	E	UiILL	J3E-U	Spanish fishery
DARC	7000,0	0457	16	04	ROU	Radio Romania	DRM	white noise from 7215 covering all band - is station Galbeni, ROU
DARC	7000,0	0528	16	04	ROU	Radio Romania	DRM	s/off at 0528 - is station Galbeni, ROU
DARC	7000,0	0500	18	04	ROU	Radio Romania	DRM	rushing noise
DARC	7000,0	2126	23	04	S.Am	UiILL	J3E-U	pirates from S.Am, female net
DARC	7000,0	vt	vd	04	E	UiILL	J3E-U	Spanish fishery with "Luis", heard 06 - 19 0755, 0843, 0930, 1749, 18016, 2110
DARC	7002,0	vt	28	04	I	IK7DTM (?)	J3E-L	2 Italian male persons in SSB, heard 0722 - 0729 - says, if a QRG is free; he uses it (!!!)
DARC	7009,0	2013	14	04		UiBC	A3E	Ru px S9 - x-checked!
DARC	7018,0	1728	05	04	RUS	UiMUX	PSK2	AT-3004-D, is RUS MIL Kaliningrad
DARC	7045,0	2003	15	04	E	UiILL	J3E-U	Spanish fishery
DARC	7054,0	2042	08	04	RUS	REA4	F1B	fast reversals most of the time, is RUS MIL Moscow
DARC	7075,0	2135	30	04	E	UiILL	J3E-U	2 male persons in Spanish voice, engine noise, "barco" often mentioned (= Spanish Fishery)
DARC	7089,0	1718	07	04		UiCW	A1A	5FL traffic

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS AND COMMENTS
DARC	7090,0	vt	18	04	ETH	R. Ethiopia	A3E	1614 - 1621, then switching to "white noise" jammer
DARC	7090,0	vt	18	04	ETH	ETH Govt. Jammer	JAM	white noise jammer 1621 - 1635
DARC	7090,0	vt	18	04	ETH	R. Ethiopia	A3E	heard agn after "white noise" jammer 1635 - 1808 (fading out). Break of 1 minute 1659 - 1700. At 1700 ann. In French
DARC	7090,0	vt	19	04	ETH	R. Ethiopia	A3E	heard 1700 with jingle, also 1705
DARC	7090,0	vt	27	04	E.Af	UiBC	A3E	not Arabic voice, S9+10dB, heard 0408 - 0412, nil at 0429 - "Ethipia" mentioned - to 7100 at 1431
DARC	7090,0	1623	29	04	E.Af	UiBC	A3E	BC heard, African music, S9-signal
DARC	7095,0	vt	19	04	E.Af	UiBC	A3E	heard 1653 - 1805, S9+10dB, weak modulation
DARC	7100,0	2116	19	04	E.Af	UiBC	A3E	very weak BC heard
DARC	7100,0	0503	20	04	ROU	Radio Romania	DRM	harmful hissing noise from 7215 kHz down 7100, signal on 7215 = S9+40dB
DARC	7100,0	1623	22	04	E.Af	UiBC	A3E	S9+20dB, ETH or ERI?
DARC	7100,0	0431	27	04	E.Af	UiBC	A3E	HOA music starting at 0431 - from 7090
DARC	7100,0	0502	27	04	E.Af	UiBC	A3E	S8-signal, pulsating carrier
DARC	7100,0	vt	28	04	E.Af	UiBC	A3E	HOA music, S9+20dB heard 1820 - 1832
DARC	7100,0	0455	29	04	E.Af	UiBC	A3E	
DARC	7100,0	0508	30	04	E.Af	UiBC	A3E	S7-signal
DARC	7100,0	vt	dly	03	KRE	V.o.Korea	A3E	French px: 1800 - 1900; English px: 1900 - 2000; Korean px: 2000 - 2100
DARC	7100,0	vt	vd	03	KRE	V.o.Korea	A3E	heard 16 17 25 at 1816 - 1834 with px in French voice - report DL1ZG
DARC	7105,0	1926	05	04	TUN	RTV Tunisia	A3E	S9-signal, heard // 7225 and 7345 on signal
DARC	7105,0	vt	05	04	TUN	RTV Tunisia	A3E	is still active with S9-Signal 1926 - 2106, IM 7225 x 7345 ***** 7105 found //
DARC	7105,0	vt	05	04	TUN	RTV Tunisia	A3E	heard 2034 - 2041, // 7225, S8-signal
DARC	7105,0	2101	07	04	TUN	RTV Tunisia	A3E	Ar px S7
DARC	7105,0	2104	15	04	TUN	RTV Tunisia	A3E	Ar px
DARC	7105,0	vt	18	04	TUN	RTV Tunisia	A3E	heard 2105 till s/off at 2106, Ar px, S9-signal - is IM 7225 and 7345
DARC	7105,0	1908	21	04	TUN	RTV Tunisia	A3E	
DARC	7105,0	2047	22	04	TUN	RTV Tunisia	A3E	S3
DARC	7105,0	2046	27	04	TUN	RTV Tunisia	A3E	
DARC	7105,0	2047	27	04	TUN	RTV Tunisia	A3E	Ar px, Ar mx, S7-signal
DARC	7105,0	2005	28	04	TUN	RTV Tunisia	A3E	Arabic px S9, // 7225
DARC	7105,0	2050	29	04	TUN	RTV Tunisia	A3E	weak signal
DARC	7110,0	1508	05	04	ETH	R. Ethiopia	A3E	S3
DARC	7110,0	1542	08	04	ETH	R. Ethiopia	A3E	HOA music
DARC	7110,0	2042	08	04	ETH	R. Ethiopia	A3E	S9+15dB-signal
DARC	7110,0	0547	11	04	ETH	R. Ethiopia	A3E	active
DARC	7110,0	2008	11	04	ETH	R. Ethiopia	A3E	rap music
DARC	7110,0	vt	13	04	ETH	R. Ethiopia	A3E	heard 2001 - 2008
DARC	7110,0	vt	14	04	ETH	R. Ethiopia	A3E	heard 2020 - 2044 - S9+20dB
DARC	7110,0	vt	15	04	ETH	R. Ethiopia	A3E	heard 2054 - 2100 s/off, S9+20dB
DARC	7110,0	0311	16	04	ETH	R. Ethiopia	A3E	report: DL4SXB
DARC	7110,0	0313	16	04	ETH	R. Ethiopia	A3E	Ar px
DARC	7110,0	1541	16	04	ETH	R. Ethiopia	A3E	HOA musiv, S6
DARC	7110,0	2100	16	04	ETH	R. Ethiopia	A3E	Ntl. Anthem and s/off at 2101

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS AND COMMENTS
DARC	7110,0	2035	17	04	ETH	R. Ethiopia	A3E	2107: nil
DARC	7110,0	vt	18	04		UiBC	A3E	2028: Indian film music, unid language with National Anthem, s/off at 2100
DARC	7110,0	0359	19	04	ETH	R. Ethiopia	A3E	0359: jingle
DARC	7110,0	vt	21	04	ETH	R. Ethiopia	A3E	heard 1908 - 2040 with S9+20dB
DARC	7110,0	2047	22	04	ETH	R. Ethiopia	A3E	S9+20dB, QSB
DARC	7110,0	2040	27	04	ETH	R. Ethiopia	A3E	S9-signal
DARC	7110,0	2046	27	04	ETH	R. Ethiopia	A3E	S9+10dB-signal
DARC	7110,0	2005	28	04	ETH	R. Ethiopia	A3E	S9+25dB
DARC	7110,0	1827	29	04	ETH	R. Ethiopia	A3E	male speaker - report DL1ZG
DARC	7110,0	2050	29	04	ETH	R. Ethiopia	A3E	S9+30dB-signal
DARC	7110,0	2032	30	04	ETH	R. Ethiopia	A3E	S9+20dB, at 2128: nil
DARC	7120,0	vt	15	04	ETH	R. Ethiopia	A3E	heard 1621, 1701 with Ar? px, S9
DARC	7120,0	vt	16	04	ETH	R. Ethiopia	A3E	short transmission 1710 - 1710 and 1722 - 1730 - S9+20dB-signal, jingle proof!
DARC	7120,0	vt	16	04	ETH	R. Ethiopia	A3E	weak BC 1716 - 1907, S8-signal
DARC	7120,0	1757	17	04	ETH	R. Ethiopia	A3E	weak px
DARC	7120,0	vt	17	04	ETH	R. Ethiopia	A3E	HOA music 1641 - 1712 (suddenly s/off)
DARC	7122,0	2108	02	04	RUS	RDL	F1A	morse code, 5F, T = 0
DARC	7122,0	0712	16	04	RUS	RDL	F1A	5F morse, reversals
DARC	7125,0	vt	15	04	GUI	Radio Conakry	A3E	heard 1708 - 1900, African drum music, S9+10dB
DARC	7125,0	vt	17	04	GUI	Radio Conakry	A3E	African harp music 2030 - 2107, S9+10dB-signal
DARC	7125,0	vt	17	04	GUI	Radio Conakry	A3E	non stop Af music heard 2230 - 2400 s/off - report Giampiero Bernardini, Milano
DARC	7125,0	2330	18	04	GUI	Radio Conakry	A3E	non stop Af music - report Giampiero Bernardini, Milano
DARC	7125,0	vt	18	04	GUI	Radio Conakry	A3E	2105: long list of weddings and funerals, African harp music (2123)
DARC	7125,0	2116	19	04	GUI	Radio Conakry	A3E	French px
DARC	7125,0	0712	20	04	GUI	Radio Conakry	A3E	HOA music
DARC	7125,0	2040	27	04	GUI	Radio Conakry	A3E	S9-signal heard 2040 - 2057
DARC	7125,0	vt	28	04	GUI	Radio Conakry	A3E	vy weak signal heard 1817 - 1832
DARC	7125,0	0607	30	04	GUI	Radio Conakry	A3E	Ar px, HOA music, Holy Quran recitals (0608), S9
DARC	7125,0	2032	30	04	GUI	Radio Conakry	A3E	S9-signal
DARC	7130,0	2330	30	04		UiBC	A3E	Chinese px, weak signal
DARC	7140,0	1800	14	04	CVA	Vatican Radio	A3E	jingle of Vatican Radio heard
DARC	7140,0	1856	14	04	E.Af	UiBC	A3E	1856: Ar px, 1933: nil
DARC	7140,0	vt	14	04	E.Af	UiBC	A3E	vy weak carrier at 1506, unid voice at 1600 with S8, 1709 HOA music S9, "Eritrea" often mentioned
DARC	7140,0	vt	16	04	CVA	Vatican Radio	A3E	active 1800 - 1832, ann: "www.vaticana.org ", S9+10dB-signal, found // 7360
DARC	7140,0	vt	17	04	CVA	Vatican Radio	A3E	heard 1800 - 1840 with S9, jingle, s/off, IM 7250 and 7360? heard // 7360
DARC	7140,0	vt	18	04	CVA	Vatican Radio	A3E	1800 (s/on), found // 7360 Romanian px - also active is 7250 with Polish px - is IM
DARC	7140,0	1655	19	04	ETH	ETH Govt. Jammer	JAM	White Noise jammer 15 kHz spread 1655 - 1705, heard carrier of BC below with S9
DARC	7140,0	1908	21	04	CVA?	Vatican Radio (tent.)	A3E	weak signal
DARC	7140,0	2047	22	04	CVA?	Vatican Radio (tent.)	A3E	carrier very weak

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS AND COMMENTS
DARC	7140,0	vt	dly	03	KRE	V.o.Korea	A3E	Korean px: 0000 - 0100; English px: 0100 - 0200; 0300 - 0400; Korean px: 0700 - 0800; 0900 - 1100; 1200 - 1300; Chinese px: 0800 - 0900
DARC	7145,0	1849	11	04	CHN	UiBC	A3E	Chinese px S6
DARC	7145,0	1834	29	04		UiBC	A3E	difficult to identify - report DL1ZG
DARC	7150,0	1620	12	04	KWT	Radio Kuwait	A3E	is active, report 4S7VK
DARC	7150,0	vt	12	04	KWT	Radio Kuwait	A3E	heard 0200 - 0900, at 0900 fading out - only weak carrier
DARC	7150,0	vt	13	04	KWT	Radio Kuwait	A3E	1900: Ar px ann 1902, 1900 - 1931, 1954: nil
DARC	7150,0	0200	14	04	KWT	Radio Kuwait	A3E	Arabic px, report DL4SXB
DARC	7150,0	0350	14	04	KWT	Radio Kuwait	A3E	S9+++ , report 5Z4NU
DARC	7150,0	0350	14	04	KWT	Radio Kuwait	A3E	S9+++ , report 5Z4NU
DARC	7150,0	vt	14	04	KWT	Radio Kuwait	A3E	frequ. ann.: at 1902, heard 1900 - 1931 - 1954: nil
DARC	7150,0	vt	14	04	KWT	Radio Kuwait	A3E	1934 - 2011: nil
DARC	7150,0	vt	14	04	KWT	Radio Kuwait	A3E	heard 0240 - 0303, Al-Qur'an recitals
DARC	7150,0	0200	16	04	KWT	Radio Kuwait	A3E	Arabic px, report DL4SXB
DARC	7150,0	0359	19	04	KWT	Radio Kuwait	A3E	Arabic px
DARC	7150,0	1158	22	04		UiBC	N0N	carrier
DARC	7155,0	2045	06	04	CHN	UiBC	A3E	very weak, 2 different Chinese px
DARC	7160,0	0547	11	04		UiBC	A3E	active
DARC	7160,0	vt	30	04		UiBC	A3E	weak carrier audible, heard 2032 - 2125
DARC	7160,2	vt	22	04	G	UiCLD	A3E	En px, ann (0734): "This is non-stop Merchow Radio", heard 0805 - 0846, 0900: nil
DARC	7165,0	1508	05	04	ETH	R. Ethiopia	A3E	Ar px, HOA music, S9
DARC	7165,0	1731	05	04	ETH	R. Ethiopia	A3E	French px "Le Monde Francophone", S9+30dB
DARC	7165,0	2037	05	04	ETH	R. Ethiopia	A3E	nil
DARC	7165,0	1718	07	04	ETH	R. Ethiopia	A3E	HOA music, S9+20dB
DARC	7165,0	1542	08	04	ETH	R. Ethiopia	A3E	S8-signal
DARC	7165,0	1608	13	04	ETH	ETH Govt. Jammer	JAM	white noise jammer
DARC	7165,0	1608	13	04	ERI	V.o.Broad Masses	A3E	audible under white noise jammer
DARC	7165,0	1608	14	04	ETH	ETH Govt. Jammer	JAM	white noise jammer, music slightly audible under jammer
DARC	7165,0	1608	14	04	ERI	V.o.Broad Masses	A3E	music under jammer
DARC	7165,0	1803	14	04	ERI	V.o.Broad Masses	A3E	"Eritrea" often mentioned
DARC	7165,0	1621	15	04	ETH	ETH Govt. Jammer	JAM	white noise jammer
DARC	7165,0	1701	15	04	ETH	R. Ethiopia	A3E	French px
DARC	7165,0	1541	16	04	ETH	R. Ethiopia	A3E	S9+10dB-signal
DARC	7165,0	1713	16	04	ERI	V.o.Broad Masses	A3E	at the same time with R. Ethiopia
DARC	7165,0	vt	16	04	ETH	R. Ethiopia	A3E	French px with news and sports, ad: B.P. 654, Addis Ababa, heard 1731-1800
DARC	7165,0	1641	17	04	ETH	ETH Govt. Jammer	JAM	white noise jammer
DARC	7165,0	1641	17	04	ERI	V.o.Broad Masses	A3E	slightly audible under jammer
DARC	7165,0	vt	18	04	ETH	R. Ethiopia	A3E	heard 1605 - 1721
DARC	7165,0	1655	19	04	ETH	ETH Govt.	JAM	White Noise jammer 15 kHz spread,

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS AND COMMENTS
						Jammer		found // 7185
DARC	7165,0	1800	26	04	ETH	R. Ethiopia	A3E	music, female voice - report DL1ZG
DARC	7165,0	vt	27	04	ETH	ETH Govt. Jammer	JAM	rushing noise heard 0405 - 0702, // 7185
DARC	7165,0	vt	28	04	ETH	R. Ethiopia	A3E	E.Af dialect, not Arabic, HOA music, heard 1817 - 1832
DARC	7165,0	0455	29	04	ETH	ETH Govt. Jammer	JAM	white noise jammer
DARC	7165,0	0455	29	04	ERI	V.o.Broad Masses	A3E	heard under jammer
DARC	7165,0	1623	29	04	ETH	R. Ethiopia	A3E	S9-signal
DARC	7165,0	1552	DLY	04	ETH	R. Ethiopia	A3E	English px: 1600 - 1700 French px: 1700 - 1800
DARC	7165,0	1620	dly	04	ETH	ETH Govt. Jammer	JAM	white noise jammer - report DK2OM
DARC	7165,0	vt	DLY	04	ETH	R. Ethiopia	A3E	heard 1640 - 1726, En px, S9+15dB
DARC	7172,2	2044	06	04	N.Af?	UiILL	J3E-U	net of male voices, one shrieky voice
DARC	7175,0	1508	05	04	ERI	V.o.Broad Masses	A3E	S9-signal
DARC	7175,0	1731	05	04	ERI	V.o.Broad Masses	A3E	Ar px S9+25dB
DARC	7175,0	vt	17	04	ERI	V.o.Broad Masses	A3E	heard 1959-2000 s/off px
DARC	7175,0	vt	18	04	ETH	ETH Govt. Jammer	JAM	white noise jammer heard 1605, 1722
DARC	7175,0	1910	21	04	ERI	V.o.Broad Masses	A3E	Arabic px S9+20dB
DARC	7175,0	0606	22	04	ERI	V.o.Broad Masses	A3E	
DARC	7175,0	vt	27	04	ERI	V.o.Broad Masses	A3E	HOA music heard 0430 - 0502, start at 0430
DARC	7175,0	vt	28	04	ERI	V.o.Broad Masses	A3E	Ar px S9+20dB, heard 18107 - 1832
DARC	7175,0	1623	29	04	ETH	ETH Govt. Jammer	JAM	S9+10dB-signal
DARC	7175,0	1623	29	04	ERI	V.o.Broad Masses	A3E	program heard
DARC	7175,0	1834	29	04	ERI	V.o.Broad Masses	A3E	music, male announcer - report DL1ZG
DARC	7175,0	2050	29	04	ERI	V.o.Broad Masses	A3E	S1-signal
DARC	7175,0	1620	dly	04	ETH	ETH Govt. Jammer	JAM	white noise jammer - report DK2OM
DARC	7178,0	2108	02	04		UiBC	A3E	carrier rocking
DARC	7180,0	2037	05	04		UiBC	A3E	vy vy weak
DARC	7180,0	2056	13	03	KRE	V.o.Korea	A3E	2056 (carrier) - 2200
DARC	7181,0	2022	14	04		UiILL	J3E-U	unid male voices
DARC	7181,6	vt	30	04		UiCAR	N0N	carrier S9+20dB heard 2032 - 2400
DARC	7185,0	1621	15	04	ETH	ETH Govt. Jammer	JAM	white noise jammer
DARC	7185,0	0210	16	04		UiBC	A3E	report DL4SXB
DARC	7185,0	1655	19	04	ETH	ETH Govt. Jammer	JAM	White Noise jammer 15 kHz spread, found // 7165
DARC	7185,0	vt	27	04	ETH	ETH Govt. Jammer	JAM	rushing noise heard 0405 - 0430, // 7165
DARC	7185,0	vt	28	04		UiBC	A3E	S7-signal heard 18107 - 1832, weak mod
DARC	7185,0	1623	29	04		UiBC	A3E	carrier S7
DARC	7185,0	1837	29	04	ETH	ETH Govt. Jammer	JAM	white noise jammer - report DL1ZG
DARC	7185,7	2335	30	04	BRM	Radio Myanmar	A3E	S9-signal - report DJ9KR
DARC	7185,8	vt	01	04	BRM	Myanmar Radio	A3E	heard 1217 - 1233, not // with 5770, 5915 nor 5985,78v - report Ron Howard, Asilomar Beach, CA, USA
DARC	7185,8	2330	18	04	BRM	Myanmar Radio	A3E	start of BC, talks, music - report Giampiero Bernardini, Milano

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS AND COMMENTS
DARC	7188,0	vt	05	04	RUS	UiMUX	PSK2	mux heard 1508 - 1526, AT-3004-D, location Murmansk
DARC	7188,0	0710	16	04	RUS	UiPTR	F1B	fast reversals
DARC	7190,0	vt	13	04	KWT	Radio Kuwait	A3E	1800 - 2000: nil
DARC	7190,0	2028	14	04	KWT	Radio Kuwait	A3E	Ar px S9+30dB
DARC	7190,0	vt	14	04	KWT	Radio Kuwait	A3E	nil at: 1800, 1834, 1900, 2000
DARC	7190,0	vt	14	04	KWT	Radio Kuwait	A3E	heard 1900 - 2020
DARC	7190,0	vt	15	04	KWT	Radio Kuwait	A3E	heard 1600 - 2100
DARC	7190,0	2100	16	04	KWT	Radio Kuwait	A3E	nil heard
DARC	7190,0	vt	16	03	CLN	Sri Lanka BC	A3E	heard 1226 - 1234, subcontinent singing, choral anthem at sign off - report Ron Howard, Asilomar Beach, CA, USA
DARC	7190,0	vt	16	04	KWT	Radio Kuwait	A3E	heard 1645 - 2010
DARC	7190,0	vt	17	04	KWT	Radio Kuwait	A3E	heard 2028 - 2100 s/off, S9+35dB-signal
DARC	7190,0	vt	17	04	KWT	Radio Kuwait	A3E	Ar px heard 1644 - 1756, S9+30dB
DARC	7190,0	vt	18	04	KWT	Radio Kuwait	A3E	Arabic talks heard 2035 - 2101 s/off, id at 2100
DARC	7190,0	vt	18	04	KWT	Radio Kuwait	A3E	heard 1600 (s/on) till 2101 (s/off)
DARC	7190,0	0209	28	04	CLN	Sri Lanka BC	A3E	very weak signal
DARC	7190,0	1817	28	04	CLN	Sri Lanka BC	A3E	weak signal
DARC	7190,0	0025	30	04	CLN	SLBC	A3E	Indian film music heard S9
DARC	7190,0	0106	30	04	CLN	Sri Lanka BC	A3E	Indian film music heard S9
DARC	7190,0	vt	dly	04	CLN	Sri Lanka BC	A3E	0030 - 0300: Hindi -- 0830 - 0930: Telugu -- 1030 - 1230: Tamil
DARC	7195,0	1849	11	04		UiBC	A3E	S3
DARC	7195,0	vt	13	04		UiBC	A3E	En px heard 1711 - 1800 s/off program
DARC	7195,0	1608	14	04		UiBC	A3E	music, S3
DARC	7195,0	1910	21	04		UiBC	A3E	weak signal
DARC	7200,0	1238	01	04	KRE	V.o.Korea	A3E	right on top of R. Rossiye, // 3560 - has left 7140! - report VK7RH
DARC	7200,0	1508	05	04	SDN	Radio Omdurman	A3E	Ar px, S8
DARC	7200,0	1738	05	04	SDN	Radio Omdurman	A3E	HOA music, S9+20dB
DARC	7200,0	vt	05	04	SDN	Radio Omdurman	A3E	Ar px heard 1924 - 2038
DARC	7200,0	0637	08	04	SDN	Radio Omdurman	A3E	Ar px, S3
DARC	7200,0	2035	08	04	SDN	Radio Omdurman	A3E	Ar voice
DARC	7200,0	0547	11	04	SDN	Radio Omdurman	A3E	Ar px
DARC	7200,0	1849	11	04	SDN	Radio Omdurman	A3E	Ar px S9+10dB
DARC	7200,0	0240	14	04	SDN	Radio Omdurman	A3E	Ar mx
DARC	7200,0	vt	14	04	IRN	IRIB Teheran	A3E	Spanish px 0240 - 0315 S9+30dB
DARC	7200,0	1445	15	03	RUS	Golos Rossiye	A3E	Russian px 0606, 0822, 1445, 1552, 1816, 2149, 2033
DARC	7200,0	vt	15	04	IRN	Islamic Republic of Iran Broad-	A3E	Spanish px and piano mx, S9+25dB, 2128 s/off

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS AND COMMENTS
						casting		
DARC	7200,0	0132	16	04	IRN	IRIB Teheran	A3E	Holy Qur'an recitals, Spanish px
DARC	7200,0	0200	16	04		UiBC	A3E	various BC stns audible - report DL4SXB
DARC	7200,0	1713	17	04	SDN	Radio Omdurman	A3E	Ar px
DARC	7200,0	1836	19	04	SDN	Radio Omdurman	A3E	BC heard
DARC	7200,0	0235	20	04	IRN	IRIB Teheran	A3E	Spanish px S9+30dB
DARC	7200,0	vt	21	04	SDN	Radio Omdurman	A3E	Arabic px S9+20dB, heard 1910 - 2039
DARC	7200,0	0606	22	04		UiBC	A3E	
DARC	7200,0	2047	22	04		UiBC	A3E	S9+30dB-signal
DARC	7200,0	1806	26	04		UiBC	A3E	splatters from 7205 kHz - report DL1ZG
DARC	7200,0	0405	27	04	SDN	Radio Omdurman	A3E	Arabic px S9+10dB
DARC	7200,0	2040	27	04	SDN	Radio Omdurman	A3E	S9+20dB-signal
DARC	7200,0	2046	27	04	SDN	Radio Omdurman	A3E	Arabic px
DARC	7200,0	0209	28	04	IRN	IRIB Teheran	A3E	Spanish px S0+30dB
DARC	7200,0	0604	28	04	SDN	Radio Omdurman	A3E	Arabic px S8
DARC	7200,0	1817	28	04	SDN	Radio Omdurman	A3E	Ar px
DARC	7200,0	1839	29	04		UiBC	A3E	splatters from 7205 kHz - report DL1ZG
DARC	7200,0	2050	29	04		UiBC	A3E	S9+30dB-signal
DARC	7200,0	0030	30	04	IRN	IRIB Teheran	A3E	s/on at 0030 with Ntl. Anthem, Al- Qur'an recitals, then Spanish px S9+30dB
DARC	7200,0	2032	30	04	SDN	Radio Omdurman	A3E	HOA music, S9+20dB
DARC	7200,0	vt	30	04	IRN	IRIB Teheran	A3E	heard 0158 - 0205 with Spanish px
DARC	7200,0	vt	30	04		UiBC	N0N	only carrier, 0016 - 0318, S9+30dB
DARC	7200,0	vt	30	04	IRN	IRIB Teheran	A3E	Spanish px S9+35dB
DARC	7200,0	vt	vd	03	IRN	Islamic Republic of Iran Broad- casting	A3E	station Ahwaz 1630 - 1730
DARC	7200,0	vt	vd	03	IRN	Islamic Republic of Iran Broad- casting	A3E	station Kamalabad 1830 - 1930
DARC	7205,0	vt	17	04	F	Radio France Inter	A3E	French px S9+40dB, splatters down into ham band
DARC	7205,0	2040	27	04	F	Radio France Inter	A3E	French px, much splatters into ham band
DARC	7205,0	2050	29	04	F	Radio France Inter	A3E	French px S9+40dB, splatters down into ham band
DARC	10101,0	1342	11	04		UiILL	J3E-U	pirates in English voice
DARC	10109,0	2009	03	04	E	UiILL	J3E-U	pirates in Spanish voice, fishery - from 10123
DARC	10120,0	2047	27	04	E	UiILL	J3E-U	net in Spanish voice, "barco" (= ship) often mentioned
DARC	10120,5	1909	12	04	MRC	UiILL	J3E-U	Moroccan fishery
DARC	10123,0	2009	03	04	E	UiILL	J3E-U	pirates in Spanish voice, fishery - to 10109
DARC	10130,0	2010	14	04		UiILL	J3E-U	unid pirates
DARC	10142,0	1740	29	04	E	UiILL	J3E-L	Spanish male person
DARC	10145,0	2103	07	04	G /	British OTH	P0N	OTH-Radar on 10165, audible till

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS AND COMMENTS
					CYP	Radar		10145
DARC	13970,0	2033	23	04	CHN	Hainan Firedrake Jammer	A3E	is active, just info!
DARC	13975,0	1508	05	04	G / CYP	British OTH Radar	P0N	just info
DARC	14000,0	1430	05	04	S.As	UiILL	J3E-U	fishery, Indian or Sri Lankan voice
DARC	14000,0	1546	06	04	INS	UiILL	J3E-U	INS pirates
DARC	14000,0	2137	22	04	F.Ea	UiILL	J3E-U	pirates
DARC	14000,0	vt	vd	04	B	UiILL	J3E-U	pirates from North Brasil, heard 20 22 at 1957, 2026 - talking about "Paraná"
DARC	14002,2	0622	20	04	Af	UiILL	J3E-U	African net in Tribal language
DARC	14003,0	0730	08	04	RUS	UiPTR	F1B	unid printer, location Samara
DARC	14005,0	2052	05	04	MRC	UiILL	J3E-U	Moroccan fishery
DARC	14016,0	2048	11	04	MRC	UiILL	J3E-U	Moroccan fishery
DARC	14028,0	0730	08	04	RUS	UiPTR	F1B	unid printer
DARC	14065,0	1923	03	04	F.Ea	UiILL	J3E-L	Far East pirates, Tamil language?
DARC	14080,0	0602	06	04	RUS	UiILL	J3E-U	female Russian voice spelling numbers
DARC	14099,8	1735	16	04	F.Ea	UiILL	J3E-U	pirates
DARC	14100,0	1943	20	04		UiILL	J3E-U	pirates in Spanish voice
DARC	14252,0	0718	08	04	RUS	UiMUX	PSK2	AT-3004-D, is RUS MIL
DARC	14295,1	vt	08	04	TJK	Radio Tajikistan	A3E	heard 0646 - 1400, pulsating carrier
DARC	14295,1	0640	30	04	TJK	Radio Tajikistan	A3E	S7-signal, pulsating carrier
DARC	14295,2	ady	dly	04	TJK	Radio Tajikistan	A3E	3rd harmonic from 4765 kHz - report DK2OM
DARC	14350,0	1650	08	04	E	UiILL	J3E-U	Spanish pirates, male and female persons - to 14360
DARC	14390,0	0758	26	04	G / CYP	British OTH Radar	P0N	is active, just info!
DARC	18100,0	1513	12	04	G / CYP	British OTH Radar	P0N	heard by DF9FV
DARC	18100,0	vt	14	04	G / CYP	British OTH Radar	P0N	heard 1600 - 1700, 20 kHz spread and very harmful
DARC	18101,0	0645	09	04		UiILL	J3E-U	Arabic male traffic, figure spelling, using Codan-Beep
DARC	18101,6	1540	15	04	F.Ea	UiILL	J3E-U	unid pirates
DARC	18107,3	1016	20	04	S.As	UiILL	J3E-U	Tamil pirates
DARC	20950,0	1602	03	04	G / CYP	British OTH Radar	P0N	fundamental of all kind of IM
DARC	21000,0	1547	16	04	SDN	Sudan. MFA	J3E-U	traffic
DARC	21000,3	vt	vd	04	S.As	UiILL	J3E-U	pirates in Tamil voice, heard 09 15 16 at 1028, 1330, 1240
DARC	21001,0	1306	09	04	S.As	UiILL	J3E-L	Tamil pirates
DARC	21001,5	1013	02	04	RUS	UiILL	J3E-U	traffic in Russian voice with Vocoder "YAKHTA", location Yekaterinburg
DARC	21010,0	1602	03	04	G / CYP	British OTH Radar	P0N	S8, IM, is // audible on 20830, 20890, 20950, 21010, 21105, 21365 - fundamental is possibly 20950 with S9+30dB
DARC	21050,0	1602	03	04	G / CYP	British OTH Radar	P0N	weak, S6, IM, is // audible on 20830, 20890, 20950, 21010, 21105, 21365 - fundamental is possibly 20950 with S9+30dB
DARC	21069,6	1420	03	04	F.Ea	UiILL	J3E-L	Far East pirates
DARC	21105,0	1602	03	04	G / CYP	British OTH Radar	P0N	weak, S6, IM, is // audible on 20830, 20890, 20950, 21010, 21105, 21365 - fundamental is possibly 20950 with S9+30dB
DARC	21365,0	1602	03	04	G / CYP	British OTH Radar	P0N	S9, IM, is // audible on 20830, 20890, 20950, 21010, 21105, 21365 - fundamental is possibly 20950 with S9+30dB
DARC	28005,0	2114	27	04	E	UiILL	F3E	Spanish CB-ers
DARC	28035,0	1904	20	04	B	UiILL	A3E	CB-ers from Brasil

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS AND COMMENTS	
DARC	28125,0	1916	20	04	B	UiLL	A3E	CB-ers from Brasil	
DARC	28165,0	1859	20	04	B	UiLL	A3E	CB-ers from Brasil	
DARC	28245,0	1902	20	04	B	UiLL	A3E	CB-ers from Brasil	
DARC	28255,0	1857	20	04	B	UiLL	A3E	CB-ers from Brasil	
DARC	28305,0	vt	vd	04	B	UiLL	A3E	CB-ers from Brasil heard 20 29 at 1858, 2008	

DARC – Germany – Part 3 – DK2OM (Wolf)

PSE observe:

FSK transmissions -> center frequency between mark and space

PSK transmissions -> center frequency (substract 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	1800	dly	04	POL		A3E			Polish “PIP” – 10 tones – North-Poland – Baltic coast - POL Navy ?
DARC	1876,8	1852	02	04	G		PSK8	2400	2600	Stanag4285 – 1200 bps long platform east of Scotland
DARC	1896,5	ady	dly	04	D		PSK8	2400	2600	Stanag4285 – German Navy – North-Germany
DARC	3500,0	vt	dly	04	TUR	no ITU	FSK8	125	1750	ALE, “1020” “2010” “2015” - Turkish Red Crescent
DARC	3501,0	2036	24	04						frequency hopper
DARC	3503,5	vt	dly	04	G	no ITU	FSK8	125	1750	ALE – “XSS” “XPU” – British MIL Tascomm
DARC	3505,0	1824	05	04	RUS		PSK2	120	2600	AT3004D - Moscow
DARC	3506,0	vt	dly	04	ALG	no ITU	FSK8	125	1750	ALE, “FS40” “GS46” “GS50”
DARC	3517,8	2200	dly	04	G		PSK8	2400	2600	MIL188-110A - burst system Land’s End - west of Plymouth
DARC	3518,0	1848	14	04	BLR		PSK4	120	2600	AT3004D - Minsk
DARC	3532,0	2300	27	04	ALG	no ITU	FSK8	125	1750	ALE, “VR20” “VR21”
DARC	3533,0	vt	dly	04	E	no ITU	FSK	125	1750	ALE, “TYV” “TWL” - Spanish Guardia Civil
DARC	3548,0	1930	01	04	RUS		F1B	50	200	RUS MIL Moscow
DARC	3550,0	vt	dly	04	F	no ITU	FSK8	125	1750	ALE, “DRI” - French MIL
DARC	3553,8	ady	dly	04	TUR		PSK8	2400	2600	Stanag4285 – TUR MIL
DARC	3558,0	vt	dly	04	TUR	no ITU	FSK8	125	1750	ALE, “1020” Turkish Red Crescent
DARC	3560,0	1800	dly	04	KRE		A3E			Voice of North-Korea – illegal!
DARC	3566,0	vt	dly	04	E	no ITU	FSK8	125	1750	ALE, “TWL” “TXX” Spanish Guardia Civil
DARC	3577,1	ady	dly	04	I	IZ3DVW	A1A			uncoordinated beacon
DARC	3585,0	1700	dly	04	TWN	HLL	FIC			120 rpm, IOC 576, Wxfax
DARC	3586,7	1544	01	04	BEL		OFDM	44.5	1800	OFDM27 - west of Brussels
DARC	3590,0	vt	dly	04	PAK	no ITU	FSK8	125	1750	ALE, “KW” “TARIQ” – “KHA” “NRS” - Pakistan Navy - destroyer “Tariq”
DARC	3591,5	1844	06	04	UKR		PSK2	120	2600	AT3004D - south west of Kiev
DARC	3594,0	vt	dly	04	ALG	no ITU	FSK8	125	1750	ALE, “BT30” “FS30” “WA30”
DARC	3595,0	vt	dly	04	D	no ITU	FSK8	125	1750	ALE – „ZLST“ „ZPRI“ „ZSHO“ „ZBOR“ German customs – North - Germany
DARC	3595,5	1820	06	04			PSK2	120	2600	AT3004D
DARC	3596,0	vt	dly	04	HRV	9A0ALE	FSK8	125	1750	Croatian emergency ALE-net --- FAE mode – just for info!
DARC	3596,0	vt	dly	04	D	DK0ESD	FSK8	125	1750	ALE, “DK0ESD” – interfering the Croatian emergency net
DARC	3603,0	vt	vd	04	D	DA0EC	PSK8	2000	2000	RFSM 8000 – amateur emergency net - Berlin - legal operation - just for info!!!
DARC	3606,0	vt	dly	04	ALG	no ITU	FSK8	125	1750	ALE, “FS20” “TP20” “XT2”
DARC	3622,5	1845	22	04	J	JMH	FIC			Tokyo Meteo - 120 rpm - IOC 576 – weather charts

DARC	KHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
DARC	3716,3	vt	dly	04	CHN	no ITU	FSK8	125	1750	ALE, "140" "3SH"
DARC	3725,0	2215	28	04	E	no ITU	FSK8	125	1750	ALE, "TWC" "TWVS1" - Spanish Guardia Civil
DARC	3735,0	1600	dly	04	POL		F1B	43	500	idling, South of Warsaw
DARC	3748,0	1955	15	04	LTU		PSK4	120	2600	AT3104D
DARC	3756,0	ady	dly	04	UKR		A3E			"The Pip" - 10 tones - UKR - MIL
DARC	3767,0	1844	16	04	RUS		PSK2	120	2600	AT3004D - Kaliningrad
DARC	3780,0	1835	30	04	LTU		F1B	75	250	north of Vilnius
DARC	3782,0	ady	dly	04	POR	CTP	F1B	75	850	POR Navy headquarter Lisbon
DARC	3794,0	ady	vt	04	ALG	no ITU	FSK8	125	1750	ALE, "FS20" - ALG MIL
DARC	3800,0	ady	vt	04	MEa	no ITU	FSK8	125	1750	ALE, "T1Z130" "T28CAB" US MIL
DARC	7000,0	vt	dly	04	IRQ	no ITU	FSK8	125	1750	ALE, "SHDTC" "GUNTC" - US MIL Iraq
DARC	7000,0	vt	dly	04						frequency hopper
DARC	7000,0	vt	dly	04	MEa	no ITU	FSK8	125	1750	ALE, "T1Z130" "T1Z137" "T1Z150" - US MIL
DARC	7000,0	vt	dly	04	D	DK0ESD	FSK8	125	1750	ALE, "DK0ESD" - just for info
DARC	7000,9	1620	08	04	RUS		OFDM	35.5	2800	OFDM 60 - area of Astrakhan
DARC	7001,8	1800 0924	13 20	04	ROU		PSK8	2400	2600	MIL-188-110A - Bucurest
DARC	7008,0	vt	dly	04		no ITU	FSK8	125	1750	ALE, "222" "297" "847" "981"
DARC	7010,0	vt	dly	04	GRC	no ITU	FSK8	125	1750	ALE, "RS004A" - NATO NC3A Network
DARC	7014,0	vt	dly	04	NIG	no ITU	FSK8	125	1750	ALE, "4411" "4412" "4413" Nigerian MOI (police)
DARC	7018,0	1617	02	04	RUS		PSK2	120	2600	AT3004D - Kaliningrad
DARC	7020,0	vt	dly	04	GRC	no ITU	FSK8	125	1750	ALE, "BS008C1" "CS004A" - NATO NC3A Network
DARC	7020,0	0852	20	04	RUS		F1B	75	250	Kaliningrad
DARC	7022,0	1338	21	04	RUS		PSK2	120	2600	AT3004D - Russian ship close to Riga
DARC	7024,0	1937	26	04	RUS		F1B	75	250	Kaliningrad
DARC	7030,0	0520	08	04	RUS		F1B	75	250	RUS MIL - Orenburg
DARC	7038,7	ady	dly	04	UKR	D	A1A			Cluster beacon - Sevastopol RUS Navy - "RCV"
DARC	7038,8	ady	dly	04	RUS	P	A1A			Cluster beacon - Kaliningrad RUS Navy - "RMP"
DARC	7038,9	ady	dly	04	RUS	S	A1A			Cluster beacon - Murmansk RUS Navy - „RIT“
DARC	7039,0	ady	dly	04	RUS	C	A1A			Cluster beacon - Moscow RUS Navy - "RIW"
DARC	7039,2	ady	dly	04	RUS	F	A1A			Cluster beacon - Vladivostok RUS Navy - "RJS"
DARC	7039,3	1353	01	04	RUS	K	A1A			Cluster beacon - Petropavlovsk RUS Navy - "RCC"
DARC	7039,9	ady	dly	04	I	IZ3DVW	A1A			IZ3DVW - beacon not coordinated
DARC	7040,5	vt	dly	04	D	DK0ESD	FSK8	125	1750	ALE, "DK0ESD" - just for info
DARC	7045,0	0513	08	04	ROU		F1B	75	200	north of Bukarest
DARC	7045,0	0522	08	04	UKR		F1B	75	200	Sevastopol
DARC	7054,0	1700	dly	04	RUS		F1B	50	200	RUS MIL - Moscow
DARC	7070,0	vt	dly	04	CHN	no ITU	FSK8	125	1750	ALE, "288" "514" - PRC-PLA
DARC	7076,0	0811	14	04	RUS		F1B	75	250	Russian ship, area of Gdansk
DARC	7080,0	0720	27	04	RUS		F1B	50	200	
DARC	7083,0	1709	20	04	RUS		F1B	72	250	Kaliningrad
DARC	7088,0	0932	05	04	RUS		F1B	75	250	RUS MIL - Moscow
DARC	7088,0	2130 2200	19 27	04	RUS		F1B	75	200	Russian ship east of Greece Russian ship Arabian Sea
DARC	7088,0	0205	29	04	RUS		A1B			Russian ship close to Sicily
DARC	7088,9	1410	dly	04	S		A1A			CW training transmission - just for info
DARC	7089,9	1340	dly	04	UKR		F1C			Wxfax - 60 rpm, IOC576, Sevastopol - RUS Naval Base
DARC	7090,5	0514	15	04	ship		PSK2	120	2600	AT3004D - North Baltic Sea
DARC	7092,0	vt	dly	04	TUR	no ITU	FSK8	125	1750	ALE, "2010" "2016" - Turkish

DARC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
										Red Crescent
DARC	7098,0	0916	15	04	RUS		PSK2	120	2600	AT3004D -
DARC	7102,0	vt	dly	04	I	IK2YXT	FSK8	125	1750	ALE, "IK2YXT" - amateur ALE - just for Info
DARC	7102,0	1150	15	04	D	DK0ESD	FSK8	125	1750	ALE, "DK0ESD" - just for info
DARC	7116,0	vt	dly	04	CHN	no ITU	FSK8	125	1750	ALE, "1706" "984" "139"
DARC	7117,0	0724	30	04						frequency hopper
DARC	7118,0	0714	30	04			PSK2	120	2600	AT3004D - Kaliningrad
DARC	7122,0	1911 0525 2050 0609	01 08 14 17	04	RUS	RDL	F1B	50	200	RUS Navy - area of Murmansk
DARC	7131,0	0857	20	04	RUS		PSK2	120	2600	weak signal
DARC	7133,0	0725	16	04	RUS		PSK4	120	2600	AT3004D - Kaliningrad
DARC	7133,0	2300	28	04	RUS		PSK2	120	2600	AT3004D - Russian ship – English Channel
DARC	7140,0	vt	dly	04	UZB	no ITU	FSK8	125	1750	ALE, "1104" "1708" "1703"
DARC	7141,0	vt	dly	04	?	no ITU	FSK8	125	1750	ALE, "7852"
DARC	7142,0	0810	24	04	RUS		F1B	75	250	RUS - MIL Magnitogorsk - Ural
DARC	7144,0	0828	27	04	RUS		PSK2	120	2600	AT3004D - Kaliningrad
DARC	7162,0	0528 1006 0921 0905	08 13 15 20	04	RUS		F1B	75	250	RUS MIL - Moscow
DARC	7165,0	1620	dly	04	ETH	QRM	A3E			white noise from Radio Ethiopia
DARC	7175,0	1620	dly	04	ETH	QRM	A3E			white noise from Radio Ethiopia
DARC	7176,0	1200	17	04	RUS		F1B	75	250	RUS MIL - Moscow
DARC	7185,5	vt	dly	04	D	DK0ESD	FSK8	125	1750	ALE, "DK0ESD" just for info!
DARC	7186,0	2030	03	04	RUS		PSK2	120	2600	AT3004D - Murmansk
DARC	7188,0	0811	24	04	RUS		F1B	75	250	RUS Navy - Kaliningrad
DARC	7193,0	1832	30	04						frequency hopper
DARC	10112,0	ady	dly	04	TUR		PSK8	2400	2600	Stanag4285 – 600 bps long - Turkish MIL
DARC	10113,0	vt	dly	04	TUN		FSK8	125	1750	ALE, "TU1" "TUD" - Tunisian MOI
DARC	10115,0	0615	dly	04	RUS		FSK4	96	1500	CIS 96 group - Moscow - dly
DARC	10118,0	1837	23	04	?	no ITU	FSK8	125	1750	ALE, "DL3"
DARC	10120,0	2050	13	04	CYP		P0N			OTH Radar Cyprus, 25 pps
DARC	10122,0	0850 1002	07 17	04	SRB		F1B	50	500	50 Bd async. - Serbia
DARC	10124,0	vt	dly	04	ALG	no ITU	FSK8	125	1750	ALE, "CM1" "CTF" - Algerian Airforce
DARC	10130,0	vt	dly	04	RUS		F1B	50	500	RUS MIL - Kaliningrad
DARC	10130,0	vt	dly	04			FSK8	125	1750	Thales Skymaster - uniden
DARC	10130,0	2215	dly	04	USA		F1B	50	850	Maine - USA
DARC	10136,0	2000	dly	04	RUS		F1B	50	200	East-Russia
DARC	10140,0	1622	16	04	CYP		P0N			OTH Radar Cyprus - 50 pps
DARC	10142,0	1350	28	04	RUS		MFSK	40	1300	Crowd36 – 36 tones – north of GEO
DARC	10145,5	vt	dly	04	POR	CT1REP	FSK8	125	1750	ALE, Radio Amateurs, just for info!
DARC	10146,0	vt	dly	04						frequency hopper
DARC	10150,0	2130 2044	02 06	04	CYP		P0N			OTH Radar Cyprus – 50 pps
DARC	10150,0	1950	13	04	CYP		P0N			spurious from OTH Radar Cyprus on 10160 – 25 pps
DARC	14000,0	1910 1702	09 16	04	CYP		P0N			OTH Radar Cyprus, 50 pps
DARC	14000,0	1900 1523	21 30	04	CYP		P0N			OTH Radar Cyprus - 50 pps spurious from 13945
DARC	14001,0	vt	dly	04	CHN	no ITU	FSK8	125	1750	ALE, "272" China
DARC	14003,0	0742	11	04	RUS		F1B	75	250	Samara
DARC	14005,0	0834	11	04	RUS		PSK2	120	2600	AT3004D – Far East Russia
DARC	14006,0	0655	14	04	RUS		PSK4	120	2600	AT3104D - RUS MIL Smolensk
DARC	14008,0	0913	20	04	RUS		F1B	75	250	RUS MIL - Moskau

DARC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
DARC	14015,0	0939	16	04	CYP		P0N			OTH Radar Cyprus - 50 pps spurious from 13950
DARC	14026,0	0840 1611	05 15	04	RUS		PSK2	120	2600	AT3004D - Moscow
DARC	14028,0	0847 0845 0757	08 19 22	04	RUS		F1B	75	250	Pensa
DARC	14045,3	0616	26	04	RUS		PSK2	12	2600	AT3004D
DARC	14054,0	1557	15	04	UKR		PSK2	120	2600	AT3004D - Russian Naval Base Sevastopol
DARC	14058,7	0759	22	04	RUS		F1B	75	250	RUS MIL Samara
DARC	14090,9	0652	23	04	BLR		OFDM	35.5	2800	OFDM 60 - north-west of Minsk
DARC	14100,0	1952	13	04						frequency hopper
DARC	14120,0	0846	19	04	BLR		F1B	75	250	north of Minsk
DARC	14135,0	0826	03	04	RUS		F1B	75	250	RUS MIL - Moscow
DARC	14142,0	1014	29	04	RUS		F1B	75	250	Russian MIL - Workuta
DARC	14162,0	0716	30	04	RUS		PSK2	120	2600	AT3004D
DARC	14240,0	0904 0847	07 19	04	RUS		F1B	100	250	RUS MIL - Kaliningrad
DARC	14242,0	1033 0717	13 30	04	RUS		PSK2	120	2600	AT3004D - RUS MIL - Moscow
DARC	14253,0	1340	16	04	RUS		F1B	75	250	area of Samara
DARC	14272,0	0920	03	04	RUS		F1B	100	250	Nizhniy Novgorod
DARC	14295,2	ady	dly	04	TJK		A3E			Radio Tajik – 3 rd from 4765
DARC	14302,0	0709	13	04	LTU		OFDM	35.5	1800	OFDM60 - south of Kaunas
DARC	14335,0	1035	28	04	RUS		P0N			Russian OTH Radar “ABM2” – 50 pps – north of Moscow
DARC	14345,0	0947	16	04	CYP					OTH Radar Cyprus - 50 pps spurious from 14400
DARC	14346,0	vt	dly	04	D	DK0ESD	FSK8	125	1750	ALE, “DK0ESD” - just for info
DARC	14346,8	0944	16	04	?	no ITU	FSK8	125	1750	ALE, “AFF” “ABJ” “ECT” “APP”
DARC	14348,5	0710	17	04	LBY		F1B	600	600	DPRK-FSK 600 – KRE emba traffic – 180° from DL
DARC	14349,0	vt	dly	04	CHN	no ITU	FSK8	125	1750	ALE, “132” “788” “559”
DARC	18100,0	1529	16	04			P0N			OTH Radar Cyprus, 25 pps
DARC	18107,0	vt	dly	04	RUS		F1B	50	250	RUS MIL - Moscow
DARC	18150,0	1005	20	04	CYP		P0N			OTH Radar Cyprus, 50 pps
DARC	21000,0	vt	dly	04						frequency hopper
DARC	21001,5	ady	dly	04	RUS		F1B	100	150	Yakhta synchro. - Jekaterinburg
DARC	21002,2	1026	12	04	SDN YEM		F1B	100	200	Pactor 1, MFA Sudan + Sudan emba Yemen, encrypted traffic
DARC	21045,0	vt	dly	04						frequency hopper
DARC	21070,0	1046	24	04						frequency hopper
DARC	21210,0	0745	27	04	CYP		P0N			OTH Radar Cyprus, 25 pps
DARC	21390,0	1717	27	04	CYP		P0N			OTH Radar Cyprus, 25 pps

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	04	FSK8 (ALE)	Ui	UiMUX	125	1750	DEFAULT SOUNDED
MRASZ	7000,0	VT	VD	04	FSK8 (ALE)	IRQ	UiMUX	125	1750	ITALIAN CARABINIERI NET 2214 SOUNDED
MRASZ	7000,0	VT	VD	04	FSK8 (ALE)	USA	UiMUX	125	1750	US ARMY NET. SHDTC, T3Z158 SOUNDED

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	DETAILS
MRASZ	7000,0	VT	VD	04	FSK8 (ALE)	IRQ	UiMUX	125	1750	ALKUT (كوت) AIRPORT SOUNDED AND CALLAD ILKUT. TALLIL CALLED VALLIL.
MRASZ	7005,0	VT	VD	04	FSK8 (ALE)	Ui	UiMUX	125	1750	CROSPR SOUNDED. RAF Croughton(AFSCN) Remote Tracking Station USAF
MRASZ	7010,0	VT	VD	04	FSK8 (ALE)	Ui	UiMUX	125	1750	CS-RS UNID NET
MRASZ	7014,0	VT	VD	04	FSK8 (ALE)	NIG	ALE	125	1750	411411 -- 411413 "411" net NIGERIAN POLICE
MRASZ	7020,0	VT	VD	04	FSK8 (ALE)	Ui	UiMUX	125	1750	CS-RS UNID NET
MRASZ	7045,0	VT	VD	04	FSK8 (ALE)	Ui	UiMUX	125	1750	2007-200 UNID 2001, 2005 SOUNDED
MRASZ	7055,0	VT	VD	04	FSK8 (ALE)	Ui	UiMUX	125	1750	134 - 168 UNID
MRASZ	7055,0	VT	VD	04	FSK8 (ALE)	D	UiMUX	125	1750	ZLST
MRASZ	7061,0	VT	VD	04	FSK8 (ALE)	Ui	UiMUX	125	1750	UK FOREST MOORE TASCMM HF HQ. XSS CALLSIGN
MRASZ	7070,0	VT	VD	04	FSK8 (ALE)		UiMUX	125	1750	UK FOREST MOORE TASCMM HF HQ. XSS CALLSIGN
MRASZ	7080,0	VT	VD	04	FSK8 (ALE)	ALB	UiMUX	125	1750	ALBANIAN MoPO. 5810 SOUNDING
MRASZ	7086,0	VT	VD	04	FSK8 (ALE)	Ui	UiMUX	125	1750	ZLST CALLED ZHED GERMAN ZOLL HQ Cuxhaven CALLED Hiddensee ZOLL STATION
MRASZ	7092,0	VT	VD	04	FSK8 (ALE)	Ui	UiMUX	125	1750	4001, 2001 SUBNETS LOTS OF CALLSIGNS. F001 NET.
MRASZ	7095,0	VT	VD	04	FSK8 (ALE)	UZB	UiMUX	125	1750	ORTKHON SOUNDED UZBEK FORCES (1101, 1102, 1103 SOUNDED)
MRASZ	7100,0	VT	VD	04	FSK8 (ALE)	Ui	UiMUX	125	1750	PRK CALLED CCO UNID
MRASZ	7100,0	VT	VD	04	FSK8 (ALE)	Ui	UiMUX	125	1750	1573 SOUNDED
MRASZ	7107,0	VT	VD	04	FSK8 (ALE)	Ui	UiMUX	125	1750	6320, 9200 UNID.
MRASZ	7107,0	VT	VD	04	FSK8 (ALE)	Ui	UiMUX	125	1750	437805,435807, 435843 435817 SOUNDED
MRASZ	7115,0	VT	VD	04	FSK8 (ALE)	D	UiMUX	125	1750	ZHEL CALLED ZLST. GERMAN ZOLL Helgoland CALLED HQ Cuxhaven.
MRASZ	7115,0	VT	VD	04	FSK8 (ALE)	Ui	UiMUX	125	1750	9213 SOUNDED.
MRASZ	7116,0	VT	VD	04	FSK8 (ALE)	UZB	UiMUX	125	1750	UZBEKH FORCES: 1701, 1703, 1704, 1705, 1706, 1707, 1708, 1709, 1711, 1712, 1713, 1714.
MRASZ	7120,0	VT	VD	04	FSK8 (ALE)	Ui	UiMUX	125	1750	UNID: 233303
MRASZ	7140,0	VT	VD	04	FSK8 (ALE)	UZB	UiMUX	125	1750	UZBEKH FORCES 1101 - 1102, 1704, 1104, 1105 SOUNDED.
MRASZ	7149,0	VT	VD	04	FSK8 (ALE)	Ui	UiMUX	125	1750	ALBANIAN MoPO. 5810 SOUNDING
MRASZ	7150,0	VT	VD	04	FSK8 (ALE)	TUR	UiMUX	125	1750	Red Crescent TURKEY 4 FIGURES NET.
MRASZ	7197,0	VT	VD	04	FSK8 (ALE)	TUR	UiMUX	125	1750	3031, 3062, 3161,3341, 3351, 3421, 3551, 3771, 3811, SOUNDED. Red Crescent TURKEY 4 FIGURES NET.
MRASZ	14000,0	VT	VD	04	FSK8 (ALE)	TUR	UiMUX	125	1750	CROSPR SOUNDED. RAF Croughton(AFSCN) Remote Tracking Station USAF
MRASZ	14000,0	VT	VD	04	FSK8 (ALE)	POL	UiMUX	125	1750	TROPICIEL73 CALLED FRONDA47 POLISH FORCES?

REP – Portugal – CT4AN (Jose Francisco) and CT1JTQ (Angelo)

RSGB - Great Britain – G4BOH (Chris)

Society	kHz	UTC	DD	MM	CTRY	IDENT	MODE	REMARKS
RSGB	7190	0200 - 0900	DLY	04	KWT	BC	A3E	Radio Kuwait. Baldock informed and they complained to their contact in the appropriate ministry. Went soon after!
RSGB	3785	24h	DLY	04	NATO	SHIP	PSK	Faulty Link 11 TX on a NATO ship on exercise N. of Scotland. QRM 3760-3820 kHz. Baldock got British MOD to order QRT.

SRAL – Finland – OH2BLU (Pekka)

Society	QRG	UTC	DD	MM	ITU	IDENT	Mode	BD	SH	REMARKS
SRAL	3699,5	1700-0700	dly	4	RUS	P	A1A			Channelmarker
SRAL	7001,0	0925	20	4		UiMUX	J7D	12x120	12x200	
SRAL	7008,0	1530-1600	1	4		UiPTR	F1B		250	
SRAL	7016,0	0700-1600	1, 8	4		UiPTR	F1B		250	
SRAL	7018,0	1500-1530	2	4		UiMUX	J7D	12x120	12x200	
SRAL	7018,9	1230-153	16	4		UiPTR	F1B		500	
SRAL	7026,0	1640	26	4	RUS	UiMUX	J7D	12x120	12x200	Moscow
SRAL	7038,7	h24	dly	4	UKR	D	A1A			Sevastopol
SRAL	7038,8	0530-2000	1-20	4	RUS	P	A1A			Kaliningrad
SRAL	7038,9	h24	Dly	4	RUS	S	A1A			Severomorsk
SRAL	7039,0	h24	Dly	4	RUS	C	A1A			Moscow
SRAL	7041,0	1700-1930	*	4	RUS	UiCW	A1A			Days 14, 17, 19, MR 5BL
SRAL	7054,0	0400-0700	dly	4	RUS	RDL	F1B		200	25 Hz dotter
SRAL	7054,0	1700-2100	dly	4	RUS	RDL	F1B		200	25 Hz dotter
SRAL	7076,0	0700-1300	8,12, 14	4		UiPTR	F1B		250	ship
SRAL	7080,0	1400-1430	14	4		UiPTR	F1B		500	
SRAL	7083,0	1600-1930	20	4		UiPTR	F1B		216	
SRAL	7088,0	1630-1900	*	4		UiPTR	F1B		200	Days 19, 20, 26
SRAL	7090,5	0530-0730	15	4		UiMUX	J7D	12x120	12x200	
SRAL	7099,0	1730	29	4		UiPTR	F1B		200	
SRAL	7110,0	1500-2100	dly	4	ETH	R Eth.	A3E			Up to +/- 20 kHz avoiding jam.
SRAL	7111,0	0700-0830	8, 12	4		UiPTR	F1B		250	
SRAL	7116,0	0720	28	4	RUS	UiCW	A1A			MR 5BL groups twice
SRAL	7118,0	0910	28	4		UiPTR	F1B		200	
SRAL	7118,0	0700	30	4		UiMUX	J7D	12x120	12x200	
SRAL	7122,0	0330-2000	dly	4	RUS	RDL	F1B/A		200/250	MR 5F "xxx"
SRAL	7125,0	1830-1930	*	4	GUI	R. Conacry	A3E			Days 17, 18, 20, 29
SRAL	7150,0	0330-0700	13-19	4	KWT	R. Kuwait	A3E			
SRAL	7150,0	1600-	13	4	KWT	R. Kuwait	A3E			

Society	QRG	UTC	DD	MM	ITU	IDENT	Mode	BD	SH	REMARKS
		1930								
SRAL	7162,0	0700-1330	*	4		UiPTR	F1B		250	Days 13, 15, 17, 20, 21
SRAL	7165,0	1400-1840	dly	4	ETH	R Eth	A3E			Up to +/- 20 kHz avoiding jam.
SRAL	7169,0	0700-0800	13	4		UiPTR	F1B		250	
SRAL	7175,0	1400-2005	dly	4	ERI	VoBME	A3E			Up to +/- 20 kHz avoiding jam.
SRAL	7176,0	0630-1230	14, 19	4		UiPTR	F1B		250	
SRAL	7181,6	1520-1930	30	4		UiCarr	N0n			
SRAL	7186,0	0530-1700	2, 3	4	RUS	RGR77	A1A			
SRAL	7188,0	0700-1230	*	4		UiPTR	F1B		250	Days 2, 5, 13, 21-26
SRAL	7188,0	1650-1930	22, 23	4		UiMUX	J7D	12x120	12x200	
SRAL	7190,0	1600-1930	*	4	KWT	R. Kuwait	A3E			Days 12, 14 -18
SRAL	7190,0	1130-1200	13	4		UiMUX	J7D	12x120	12x200	
SRAL	7195,0	1200-1230	14	4		UiMUX	J7D	12x120	12x200	
SRAL	7198,0	0400-0730	14	4		UiMUX	J7D	12x120	12x200	
SRAL	7200,0	1730-2100	dly	4	SDN	R Sudan	A3E			
SRAL	7200,0	0230-1600	dly	4	RUS	R Rossii	A3E			
SRAL	14028,0	0710-1230	*	4		UiPTR	F1B		250	Days 19, 22, 26
SRAL	14295,1	0400-1900	dly	4	TJK	R Tojikiston	A3E			3f 4765,05 kHz, Yangiyul TX

USKA – Switzerland – HB9CET (Peter)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
USKA	6999.0	1650	08	04			J3E-U			unid
USKA	7000.0	0008	01	04		ALKUT	MFSK8	125	1750	MIL 188-141A daily
USKA	7000.0	0011	01	04		T3Z158	MFSK8	125	1750	MIL 188-141A daily
USKA	7000.0	0018	01	04		SHDTC	MFSK8	125	1750	MIL 188-141A daily
USKA	7000.0	0105	01	04		TALLIL	MFSK8	125	1750	MIL 188-141A daily
USKA	7000.0	0229	01	04		GUNTOC	MFSK8	125	1750	MIL 188-141A daily
USKA	7000.0	2113	16	04			J3E-U			unid language
USKA	7000.0	1852	20	04			N0N			long-lasting carrier often
USKA	7000.0	2031	30	04			J3E-U			Spanish, long conversation
USKA	7000.8	1629	08	04			OFDM60			Pilotton 3300Hz
USKA	7000.800	2227	27	04			N0N			long-lasting carrier often
USKA	7000.865	1358	10	04			N0N			long-lasting carrier often
USKA	7008.0	1506	01	04			F1B	50	250	unid
USKA	7010.0	1333	14	04		RS0014A	MFSK8	125	1750	MIL 188-141A daily
USKA	7010.0	1415	14	04		RS0011	MFSK8	125	1750	MIL 188-141A daily
USKA	7010.0	1316	15	04		CS002A	MFSK8	125	1750	MIL 188-141A daily
USKA	7010.0	1444	15	04		RS008	MFSK8	125	1750	MIL 188-141A daily
USKA	7010.0	1142	16	04		BS008C	MFSK8	125	1750	MIL 188-141A daily
USKA	7010.0	1346	26	04		RS0012A	MFSK8	125	1750	MIL 188-141A daily
USKA	7011.8	1244	19	04			PSK-8	2400bps	2700	MIL 188-110A often
USKA	7016.0	1510	01	04			F1B	50	250	unid
USKA	7018.0	2037	30	04			F1B	75	250	unid
USKA	7020.0	0911	14	04		CS004A	MFSK8	125	1750	MIL 188-141A
USKA	7020.0	0933	14	04		RS009D	MFSK8	125	1750	MIL 188-141A
USKA	7021.8	1007	13	04			PSK-8	2400bps	2700	MIL 188-110A often
USKA	7024.0	1512	12	04			F1B	75	250	unid
USKA	7026.0	1715	26	04			J7D	12x120	2600	CIS 12, idling only

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
USKA	7038.7	1451	01	04	UKR	D	A1A			Beacon D Sevastopol daily
USKA	7038.719	1505	01	04			A1A			Dash/dots (or A?)
USKA	7038.8	1626	01	04	UKR	P	A1A			Beacon P Kaliningrad daily
USKA	7038.9	1452	01	04	RUS	S	A1A			Beacon S Murmansk daily
USKA	7039.0	1436	01	04	RUS	C	A1A			Beacon C Moscow daily
USKA	7045.0	2021	07	04			F1B	75	200	unid
USKA	7054.0	1905	01	04			F1B	50	200	unid daily
USKA	7083.0	1856	20	04			F1B	75	250	unid
USKA	7088.0	1707	16	04			F1B	75	200	unid often
USKA	7089.9	1252	30	04	UKR		F1C	60 rpm		Wefax 60rpm IOC 576 daily
USKA	7090.0	1709	19	04			A3E			BC, unid
USKA	7092.0	1952	12	04		2014	MFSK8	125	1750	MIL 188-141A LQA often
USKA	7092.0	2024	12	04		4017	MFSK8	125	1750	MIL 188-141A LQA often
USKA	7092.0	2102	12	04		2015	MFSK8	125	1750	MIL 188-141A often
USKA	7092.0	2148	12	04		2010	MFSK8	125	1750	MIL 188-141A often
USKA	7092.0	0201	13	04		1020	MFSK8	125	1750	MIL 188-141A LQA often
USKA	7092.0	0528	13	04		2011	MFSK8	125	1750	MIL 188-141A often
USKA	7095.0	1711	19	04			A3E			BC: unid
USKA	7105.0	2212	26	04			A3E			BC: unid (2 stations) daily
USKA	7110.0	1621	01	04	ETH		A3E			BC: Radio Ethiopia daily
USKA	7110.0	2059	23	04			A3E			BC; 2100 QRT daily
USKA	7111.0	2133	08	04			F1A		250	qrj? k
USKA	7111.0	2136	08	04			F1B	75	250	unid
USKA	7120.0	1538	21	04			Noise			Wide noise jammer often
USKA	7121.875	2153	08	04			N0N			long-lasting carrier
USKA	7122.0	1512	01	04	RUS	RDL	F1B	50	200	unid daily
USKA	7122.0	2148	08	04	RUS	RDL	F1A			letters and numbers in groups
USKA	7125.0	2221	26	04	GUI		A3E			Radio Conakry (in french) daily
USKA	7127.0	2149	16	04			F1B	75	400	unid
USKA	7133.0	1558	22	04			J7D	12x120	2600	PSK-4: CIS 12 = AT3104D
USKA	7140.0	1408	06	04		1703	MFSK8	125	1750	MIL 188-141A daily
USKA	7140.0	1526	06	04		1104	MFSK8	125	1750	MIL 188-141A daily
USKA	7140.0	2156	13	04		1105	MFSK8	125	1750	MIL 188-141A daily
USKA	7140.0	2156	13	04		1708	MFSK8	125	1750	MIL 188-141A daily
USKA	7140.0	2158	13	04		1711	MFSK8	125	1750	MIL 188-141A daily
USKA	7140.0	0132	14	04		1713	MFSK8	125	1750	MIL 188-141A, LQA daily
USKA	7140.0	0143	14	04		1101	MFSK8	125	1750	MIL 188-141A, LQA daily
USKA	7140.0	0154	14	04		1709	MFSK8	125	1750	MIL 188-141A, LQA daily
USKA	7140.0	0300	14	04		1706	MFSK8	125	1750	MIL 188-141A daily
USKA	7140.0	2057	22	04		1102	MFSK8	125	1750	MIL 188-141A daily
USKA	7144.0	0937	27	04			J7D	12x120	2600	PSK-2: CIS 12 = AT3004D
USKA	7146.0	0924	16	04			J7D	12x120	2600	CIS 12 = AT3004D
USKA	7150.0	1743	13	04	KWT		A3E			Radio Kuwait 0200-0900 (QRT)
USKA	7155.0	1721	15	04			J7D	12x120	2600	CIS 12 = AT3004D
USKA	7162.0	0951	13	04			F1B	75	250	unid
USKA	7165.0	1610	01	04	ETH		A3E			BC: Radio Ethiopia daily
USKA	7165.0	1713	19	04			Noise			Wide jammer almost daily
USKA	7165.0	1730	26	04			A3E			unid language, disturbed by a:
USKA	7165.0	1731	26	04			A3E			2 nd station, french language
USKA	7168.9	1105	06	04			A1A			endless V and K only, jammer?
USKA	7169.0	1102	06	04			F1B	75	200	unid
USKA	7175.0	1607	01	04			Noise			wide jammer daily
USKA	7175.0	1923	03	04	ERI		A3E			Voice of Broad Masses daily
USKA	7175.0	1748	13	04			A3E			BC; unid
USKA	7181.620	1258	30	04			N0N			long-lasting carrier (over hours)
USKA	7185.0	1716	19	04			Noise			wide jammer daily
USKA	7185.0	1734	26	04			A3E			unid language (weak) daily
USKA	7187.27	1050	03	04			A1A			endless V or K only, jammer?
USKA	7190.0	2050	13	04	KWT		A3E			Radio Kuwait (QRT)
USKA	7200.0	1906	01	04	RUS		A3E			BC: Radio Russia aily
USKA	7200.0	1735	26	04			A3E			unid language
USKA	10125.0	1455	13	04			P0N	50pps	20 kHz	OTHR, 20ms
USKA	14000.0	1342	30	04			P0N	50pps	20 kHz	OTHR, 20ms

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
USKA	14005.0	0911	28	04			J7D	12x120	2600	PSK-2: CIS 12 = AT3004D
USKA	14007.875	0932	13	04			N0N			carrier
USKA	14008.0	1259	12	04			F1B	50	250	unid often
USKA	14026.0	1034	15	04			J7D	12x120	2600	PSK-2: CIS 12 = AT3004D
USKA	14028.0	0946	22	04			F1B	75	250	unid
USKA	14054.0	1036	15	04			J7D	12x120	2600	PSK-2: CIS 12 = AT3004D
USKA	14058.75	1007	22	04			F1B	75	250	unid
USKA	14100.0	1859	20	04			J3E			long conversation, no calls
USKA	14140.0	1610	27	04			J7D	12x120	2600	PSK-2: CIS 12 = AT3004D
USKA	14169.8	1054	13	04			PSK-8	2400bps	2700	Link 11 SLEW
USKA	14184.0	0901	27	04			F1B	50	250	unid
USKA	14217.875	0936	13	04			F1B	38.5	500	unid
USKA	14219.500	1012	13	04			N0N			carrier, over hours
USKA	14240.0	1437	22	04			F1B	75	250	unid
USKA	14242.0	0943	13	04			J7D	12x120	2600	PSK-2: CIS 12 = AT3004D
USKA	14245.0	0912	28	04			P0N	50pps	10 kHz	OTHR, 20ms
USKA	14253.0	1347	30	04			F1B	75	250	unid
USKA	14265.0	0917	28	04			J7D	12x120	2600	PSK-2: CIS 12 = AT3004D
USKA	14272.0	0833	27	04			F1B	100	250	unid
USKA	14311.0	0930	28	04			F1A		125	unid
USKA	14325.0	0950	22	04			P0N	50pps	20 kHz	OTHR, 20ms
USKA	14325.0	0939	28	04			P0N	50pps	20 kHz	OTHR, 20ms
USKA	14330.0	1439	22	04			P0N	50pps	20 kHz	OTHR, 20ms
USKA	14332.0	0954	12	04			F1B	100	250	unid
USKA	18070.0	1341	19	04			P0N	25pps	20 kHz	OTHR, 40ms
USKA	18090.0	1637	14	04			P0N	50pps	20 kHz	OTHR, 20ms
USKA	18100.0	1319	08	04			P0N	50pps	20 kHz	OTHR, 20ms
USKA	18107.0	1516	01	04	RUS	RDL	F1B	50	250	CIS 36-50, often followed by F1A almost daily

Veron 1 – Netherlands – PA0GRU (Dick)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
VERON	1838,0	10.07	27	4		UiMUX	J7D		12 MPSK AT 3004-D
VERON	3522,0	20.03	17	4			PSK	2600	Stanag 4285
VERON	3548,0	17.57	11	4		UiPtr	F1B	200	Ptr
VERON	3555,0	18.19	4	4		UiMUX	J7D		12 MPSK AT 3004-D
VERON	3555,0	18.41	13	4			PSK	2600	Stanag 4285
VERON	3596,0	18.22	6	4		UiMUX	J7D		12 MPSK AT 3004-D
VERON	3667,0	07.44	28	4		UiCW	A1A		5F MIL
VERON	3700,0	20.14	17	4	RUS	P	A1A		P-beacon
VERON	3714,0	18.25	6	4		UiPtr	F1B	150	Ptr
VERON	3732,0	18.45	13	4			PSK	2600	Stanag 4285
VERON	3735,00	18.26	6	4		UiPtr	F1B	500	Ptr
VERON	3735,0	18.45	13	4		UiPtr	F1B	500	Revs
VERON	3735,0	18.58	30	4		UiPtr	F1B	500	Revs
VERON	3755,0	18.28	6	4		PIP	A3E		"the PIP" MIL, also 13/4,
VERON	3765,0	20.16	17	4			PSK	2600	Stanag 4285
VERON	3780,0	19.00	30	4		UiPtr	F1B		
VERON	7017,0	15.43	2	4		UiMUX	J7D		12 MPSK AT 3004-D
VERON	7054,0	18.01	vd	4	RUS	UiPtr	F1B	200	Revs
VERON	7054,0	ady	dly	4	RUS	UiPtr	F1B	200	Revs
VERON	7083,0	15.34	20	4		UiPtr	F1B	250	Ptr, Revs, 18.24 utc,
VERON	7100,0	19.01	30	4		UiBC	A3E		music and speech
VERON	7110,0	17.51	6	4	ETH	R.Ethiopia	A3E		speech, also 17/4,
VERON	7110,0	17.40	28	4	ETH	R.Ethiopia	A3E		speech
VERON	7122,0	18.09	8	4		UiPtr	F1B	200	Revs
VERON	7122,0	15.35	20	4		UiPtr	F1B	200	Revs
VERON	7133,0	17.43	28	4		UiMUX	J7D		12 MPSK AT 3004-D
VERON	7145,0	07.54	27	4		UiMUX	J7D		12 MPSK AT 3004-D
VERON	7150,0	18.35	13	4	Kuwait	R.Kuwait	A3E		music and speech
VERON	7162,0	08.54	15	4		UiPtr	F1B	250	Ptr
VERON	7165,0	18.19	6	4	ETH	VDA	A3E		music, also 7/4
VERON	7165,0	17.41	28	4		UiBC	A3E		speech, also 30/4
VERON	7175,0	18.05	4	4	ERI	VBM	A3E		music, also 17/4,

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
VERON	7175,0	17.52	6	4	ERI	VBM	A3E		speech, also 20/4,
VERON	7176,0	07.41	19	4		UiPtr	F1B	250	Ptr
VERON	7190,0	vt	vd	4	Kuwait	R.Kuwait	A3E		music and speech
VERON	7195,0	08.00	27	4					frequency hopper
VERON	7196,0	17.42	28	4		UiBC	A3E		speech
VERON	7198,0	18.06	4	4	RUS	V.O.R.	A3E		splatter from Voice of Russia
VERON	10110,0	18.13	4	4			PSK	2600	Stanag 4285
VERON	10115,0	18.25	13	4		OTHR	PON		radar heavy qrm 10103-10125 KHz
VERON	14008,0	11.04	5	4		UiPtr	F1B	250	Ptr, also 18/4, 19/4,27/4,
VERON	14008,0	vt	vd	4		UiPtr	F1B	200	Revs/Ptr
VERON	14008,0	07.30	25	4		UiPtr	F1B	250	Ptr
VERON	14008,0	08.02	27	4		UiCAR	NON		carrier
VERON	14008,0	08.03	27	4		UiPtr	F1B	250	Ptr
VERON	14028,0	10.05	1	4		UiPtr	F1B	200	Ptr
VERON	14028,0	vt	vd	4		UiPtr	F1B	250	Ptr
VERON	14028,0	08.47	26	4		UiPtr	F1B	200	Ptr
VERON	14028,0	08.47	vd	4		UiPtr	F1B	250	09.09 utc, Ptr,
VERON	14050,0	08.50	15	4		UiMUX	J7D		12 MPSK AT 3004-D
VERON	14120,0	10.06	1	4		UiPtr	F1B	200	Revs
VERON	14142,0	09.06	29	4		UiPtr	F1B	250	Ptr
VERON	14207,0	10.02	27	4		OFDM		2600	
VERON	14233,0	07.45	28	4		OFDM		2600	
VERON	14240,0	07.46	28	4		UiMUX	J7D		12 MPSK AT 3004-D
VERON	14242,0	08.01	27	4		UiMUX	J7D		12 MPSK AT 3004-D
VERON	14253,0	10.00	1	4	RUS	UiMUX	J7D		12 MPSK AT 3004-D
VERON	14253,0	07.37	19	4		UiPtr	F1B	250	Ptr
VERON	14253,0	07.20	26	4		UiPtr	F1B	200	Ptr
VERON	14253,0	07.52	27	4		UiMUX	J7D		12 MPSK AT 3004-D
VERON	14263,0	07.38	19	4		UiPtr	F1B	250	Ptr
VERON	14263,0	10.18	28	4		UiPtr	F1B	250	Ptr
VERON	14270,0	10.04	27	4		UiPtr	F1B	250	Ptr
VERON	14272,0	07.12	14	4		UiPtr	F1B	200	Ptr
VERON	14272,0	07.53	27	4		UiPtr	F1B	250	Ptr
VERON	14272,0	09.10	29	4		UiPtr	F1B	250	Ptr
VERON	14324,0	10.13	1	4		OFDM93		2900	
VERON	14336,0	10.14	28	4		OHTR	PON		radar, wide 14320-14343 KHz
VERON	18108,0	10.25	30	4		UiMUX	J7D		12 MPSK AT 3004-D

Veron 2 – Netherlands – PA0GRU (Dick)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
VERON	7000,0	17.30	20	4		UiCAR	NON		Persistent strong carrier; s9++++
VERON	7019,0	15.03	16	4		UiPtr	F1B	500	Bad filter
VERON	7038,7	vt	vd	4	UKR	D	A1A		D-beacon
VERON	7038,8	vt	vd	4	RUS	P	A1A		Beacon Kaliningrad; hrd 3 days
VERON	7038,8	19.43	5	4	RUS	P	A1A		P-beacon
VERON	7038,9	vt	vd	4	RUS	S	A1A		Beacon Murmansk; hrd 3 days
VERON	7038,9	vt	vd	4	RUS	S	A1A		S-beacon
VERON	7039,0	vt	vd	4	RUS	C	A1A		Beacon Moscow; hrd 4 days
VERON	7039,0	vt	vd	4	RUS	C	A1A		C-beacon
VERON	7039,2	18.07	28	4	RUS	F	A1A		F-beacon
VERON	7046,0	13.56	5	4		UiPTR	F1B		Revs/Ptr
VERON	7054,0	17.25	20	4	RUS	UiPtr	F1B	200	Revs; bad filter
VERON	7054,0	vt	vd	4		UiPTR	F1B		Revs
VERON	7080,0	17.26	24	4		UiPTR	F1B		Revs/Ptr
VERON	7083,0	17.23	20	4		UiPtr	F1B	250	Dotter; very bad filter
VERON	7088,0	17.52	22	4		UiPTR	F1B		Ptr
VERON	7099,0	17.23	29	4		UiPTR	F1B		Ptr
VERON	7100,0	17.42	24	4	KRE	VoK	A3E		Male speech; s8
VERON	7105,0	22.01	3	4			A3E		Chinese speech; s9+; splatter +/- 10kHz
VERON	7105,0	22.10	24	4		UiBC	A3E		2 BC on same freq; Chinese speech
VERON	7110,0	20.37	3	4	ETH	R.Ethiop	A3E		Music/speech; s9

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
						ia			
VERON	7122,0	14.55	16	4	RUS	UiPtr	F1B	200	revs
VERON	7122,0	vt	vd	4		UiPTR	F1B		Revs/Ptr
VERON	7122,0	17.51	22	4	RUS	RDL	F1A		RDL = 11111 5F
VERON	7130,0	17.17	20	4		Jam			Jammer; 12k wide.
VERON	7165,0	17.00	3	4	ETH	R.Ethiopia	A3E		French language; s9+
VERON	7165,0	17.13	20	4	ETH	R.Ethiopia	A3E		French language; s9+
VERON	7165,0	17.27	24	4		UiJAM			Jammer; 22k wide
VERON	7175,0	17.26	3	4		UiJAM			Jammer; 12K wide; s9+
VERON	7175,0	15.26	14	4	ERI	VoBM	A3E		s5; QSB
VERON	7175,0	17.11	20	4	ERI	VoBM	A3E		Female speech; s9+
VERON	7185,0	17.08	20	4		UiJAM			Jammer; 12k wide.
VERON	7185,0	17.24	24	4	BRM	R.Myanmar	A3E		Female speech; s9
VERON	7190,0	19.00	15	4		R.Kuwait	A3E		Female announcing "El Kuwait"; s9+
VERON	7200,0	15.25	14	4		UiBC	A3E		weak (s4); QRM/QSB
VERON	7200,0	18.58	15	4	SDN	R.Omduman	A3E		Arab speech; s9+
VERON	10112,0	vt	vd	4	TUR	UiMux	PSK8	2k6	Stanag system; hrd 4 days
VERON	10130,0	vt	vd	4		UiPTR	F1B		Revs/Ptr
VERON	14005,0	14.47	15	4		OTHR	PON		33pps system
VERON	14008,0	14.47	22	4		UiMux	PSK8		2*4 channels
VERON	14008,0	12.12	12	4	CIS	UiPTR	F1B		Carrier/Revs/Ptr (typical CIS)
VERON	14025,0	14.21	15	4		UiMux	PSK8	2k6	
VERON	14028,0	10.55	22	4		UiPTR	F1B		Ptr
VERON	14054,0	14.24	15	4		UiMux	PSK12	2k2	
VERON	14102,0	16.48	20	4		UiMux	PSK8		2*4 channels
VERON	14109,0	14.06	21	4		UiMux	PSK8		
VERON	14110,0	16.50	20	4		OTHR	PON		50pps system
VERON	14135,0	08.15	3	4		UiPTR	F1B		Ptr
VERON	14142,0	10.17	29	4		UiPTR	F1B		Ptr
VERON	14145,0	18.07	28	4		OTHR	PON		50pps system; 25k wide
VERON	14153,0	16.57	14	4					frequency hopper
VERON	14253,0	14.29	30	4		UiPtr	F1B	250	printer
VERON	14272,0	10.18	3	4		UiPTR	F1B		Ptr (also 25/4 10.20)
VERON	14294,0	14.17	21	4		UiCar	NON	20	Persistent wobbling carrier; s8
VERON	14295,0	17.15	15	4					frequency hopper
VERON	14295,0	14.32	30	4		UiCar	NON	20	Wobbling carrier; s9
VERON	18107,0	vt	vd	4		UiPTR	F1B		Revs/Ptr
VERON	18107,0	09.26	27	4	RUS	RDL	F1A		57948 68185 k
VERON	21001,5	10.21	3	4		UiPTR	F1B		Ptr
VERON	21030,0	13.45	26	4					frequency hopper
VERON	21186,0	13.47	26	4					frequency hopper
VERON	28324,0	13.53	16	4		OTHR	PON		70pps system

Veron 3 – Netherlands – PA0GRU (Dick)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
VERON	7000,0	05.15	22	4	RUS	C	A1A		C-beacon Moscow/parallel 7039 KHz
VERON	7000,0	17.55	24	4	RUS	C	A1A		C-beacon /parallel 7039 KHz
VERON	7000,0	19.42	29	4	RUS	C	A1A		C-beacon parallel 7039 KHz
VERON	7036,3	05.30	vd	4		UiMux	J7D		12 MPSK AT 3004-D, 17.49 utc, 6 days
VERON	7038,7	05.17	vd	4	UKR	D	A1A		17.52 utc, beacon, 9 days
VERON	7038,8	05.29	14	4	RUS	P7X3	A1A		to WTWL: QRJ? QYT9 K
VERON	7038,8	05.17	22	4	RUS	P	A1A		P-beacon
VERON	7038,9	05.17	vd	4	RUS	S	A1A		17.52 utc, beacon, 10 days
VERON	7039,0	05.15	vd	4	RUS	C	A1A		17.52 utc, beacon Moscow, 10 days
VERON	7039,2	14.55	28	4	RUS	F	A1A		F-beacon
VERON	7039,2	19.17	30	4	RUS	F	A1A		F-beacon
VERON	7039,4	19.45	10	4	RUS	M	A1A		M-beacon Madagan

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
VERON	7041,0	13.30	1	4		FZLI	A1A		to MZLI,ZDOM,PZYN,Y26C,F4XH,proc
VERON	7041,0	13.30	3	4		FZLI	A1A		to MKTW,ZDOM,Y26C,PZYN,F4XH,proc
VERON	7041,0	13.38	3	4		FZLI	A1A		to PZYN, QBE QYT9 K, also 8/4
VERON	7041,0	13.30	7	4		FZLI	A1A		to MTKW, ZDOM,PZYN,Y26C,F2XH,calls
VERON	7041,0	13.30	8	4		7VWR	A1A		to DEKJ,ZWG ZKJ ZNZ QYT6 K proc
VERON	7041,0	16.38	8	4		KQMU	A1A		to PZYN:ZCT ZLZ ZLY QYT6 K proc
VERON	7041,0	15.14	10	4		FZLI	A1A		to Y26C: QTC 355 39 10 1906 355=5BL etc
VERON	7041,0	15.08	11	4		1XNG	A1A		to WD1i: cyrillic groups
VERON	7041,0	15.13	11	4		P7X3	A1A		to WTWL: QRJ? QYT9 K
VERON	7041,0	16.30	11	4		1XNG	A1A		to HPLA,JE6U,F2OF,WTWL, PHMV,proc
VERON	7045,0	06.40	8	4		UiPtr	F1B	250	Ptr/Revs
VERON	7048,0	06.52	14	4		UiCW	A1A		5BL
VERON	7048,0	06.30	15	4		PYPS	A1A		proc-Q-codes
VERON	7048,0	06.37	15	4		PYPS	A1A		PYPS=532 3415 1026 532=ZBN 344 5BL
VERON	7048,0	12.57	15	4		PA6S	A1A		to W5OY: proc, 5BL
VERON	7048,0	05.44	16	4		PYPS	A1A		to W5OY:calls, proc
VERON	7048,0	06.24	16	4		PA6S	A1A		to W5OY: proc, receives traffic
VERON	7048,0	06.32	16	4		PA6S	A1A		06.42 utc, PA6S 310 3416 1020 310 ZWY
VERON	7048,0	16.30	18	4		PYPS	A1A		to W5OY: calls
VERON	7048,0	13.16	20	4		PA6S	A1A		PA6S,604 5320 1715 604 ZGZ 835 5F etc
VERON	7048,0	05.51	27	4		ZEZY	A1A		to 2FLS: proc
VERON	7048,0	05.52	27	4		ICAA	A1A		ICAA OK ZWS ZWP OK/QYT9 QRJ ok K
VERON	7048,0	06.33	30	4		UiCW	A1A		cyrillic code groups/proc
VERON	7048,0	06.59	30	4		ZEZY	A1A		to 2FLS: proc
VERON	7048,0	07.08	30	4		ICAA	A1A		to 2FLS: proc, cyrillic groups
VERON	7054,0	05.28	vd	4	RUS	UiPtr	F1B	250	20.08 utc, Ptr/Revs, 11 days
VERON	7076,0	06.50	14	4		UiPtr	F1B	250	Ptr/Revs
VERON	7077,9	20.25	24	4	RUS	C	A1A		C-beacon/parallel 7039 Khz
VERON	7078,0	19.38	29	4	RUS	C	A1A		C-beacon
VERON	7116,0	07.17	3	4		475	A1A		475 (in roundslip)
VERON	7116,0	07.21	3	4		475	A1A		475 31650 50 = 5F= 316 316 50 50 000
VERON	7122,0	11.50	30	4	UK	UiILL	J3e-U		English, male voice, non amateur
VERON	7122,0	06.03	vd	4	RUS	RDL	F1A	250	17.37 utc, 4 days, XXX XXX
VERON	7122,0	05.02	vd	4	RUS	RDL	F1B	250	20.37 utc, 11 days, Ptr/Revs
VERON	7122,0	06.02	2	4	RUS	RDL	F1A	250	RDL 58560 50160 (many times)
VERON	7122,0	06.03	2	4	RUS	RDL	F1A	250	XXX XXX (followed by Revs)
VERON	7122,0	06.04	2	4	RUS	RDL	F1B	250	Ptr/Revs
VERON	7122,0	08.30	3	4	RUS	RDL	F1A		RDL 00402 41103 (many times)
VERON	7122,0	08.31	3	4	RUS	RDL	F1B		Ptr/Revs
VERON	7122,0	08.48	3	4	RUS	RDL	F1A		RDL 50125 23336 (many times)
VERON	7122,0	08.49	3	4	RUS	RDL	F1B		XXX XXX (followed by Revs)
VERON	7122,0	09.08	10	4	RUS	RDL	F1A	250	5F/XXX
VERON	7122,0	15.32	12	4	RUS	RDL	F1A		XXX XXX (followed by Revs)
VERON	7122,0	05.26	14	4	RUS	RDL	F1A	250	5F/XXX
VERON	7122,0	09.26	17	4	RUS	RDL	F1A	250	RDL 11111 16280 5F K
VERON	7122,0	13.27	20	4	RUS	RDL	F1A	250	RDL 41492 64451 (etc) 5F
VERON	7122,0	20.36	27	4	RUS	RDL	F1A	250	RDL RDL RDL 42634 74335
VERON	7122,0	07.28	30	4	RUS	RDL	A1A		RDL 93093 18382 etc K
VERON	7126,0	05.58	8	4		UiPtr	F1B	250	Revs
VERON	7130,0	06.10	2	4		UiPtr	F1B	100 0	Ptr/Revs
VERON	7138,9	17.47	24	4	RUS	S	A1A		S-beacon
VERON	7172,0	14.11	26	4		UiPtr	F1B	250	Ptr/Revs
VERON	7176,0	06.47	14	4		UiPtr	F1B	250	Ptr/Revs
VERON	7188,0	07.05	21	4		UiPtr	F1B	250	fast Revs, Ptr

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
VERON	7190,0	17.30	17	4	KWT	R.Kuwait	A3E		music and speech strong BC, also 18/4
VERON	14320,0	15.10	24	4	GRC	UiLL	J3e-U		Greece, male voice, non amateur
VERON	18110,0	14.40	24	4	Asia	UiLL	J3e-U		Asian language, male voice
VERON	18121,0	19.00	17	4	N.Africa	UiLL	J3e-U		N.African/Arabic language, male voices

IARUMS Region 1

Many thanks for your interest!

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