



Monitoring System

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The monthly newsletter for Region 1

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++ ARI: DH7SA – Salvatore ++ ARSK: 5Z4NU - Ted ++ DARC: DJ9KR - Uli ++ EARA: SU1SA - Sayed
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++ NARS: 5N9AYM – Yusuf ++ OEVSU: OE3DMA – Alex ++ PZK: SP3SUZ – Wladyslaw ++ RAL: OD5RI – Riri ++
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++ SRAL: OH2BLU - Pekka ++ URE: nn ++ USKA: HB9CET - Peter ++ VERON: PA0GRU - Dick ++ ZRS: S56ZDB - Darko
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++ 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. Wxfax on 7090

The Wxfax on 7090 kHz was still daily active from 1340 – 1440 UTC. Parameters: 60 rpm – IOC 576
Location: Russian Naval Base Sevastopol. Harmonics could be observed on 14180 kHz. The German PTT has been informed.

2. 7090.0 – Link11 - SLEW

7090.0 kHz was often abused by the Turkish Military, system LINK11-SLEW (2400 Bd, PSK8, 2.7 kHz wide). Two stations were involved: One in Ankara and a ship in front of the Lebanese coast, possibly a Turkish UNIFIL-ship. The German PTT filed a complaint.

3. CIS taxi cabs on 10 m

Few band openings showed, that the 10 m – band is still crowded with CIS taxi cabs. Nothing has changed there.

4. Voice traffic on 80 m

The 80 m-band is assigned on primary base but not exclusive to Amateurradio! But the band is not assigned to pirates without legal callsigns. This means French, Spanish, Dutch, English and Scandinavian fishery. They were daily active between 3500 and 3600 kHz in USB. French amateurs were still transmitting on 3550 kHz in AM (A3E) every morning, not respecting the bandplans.

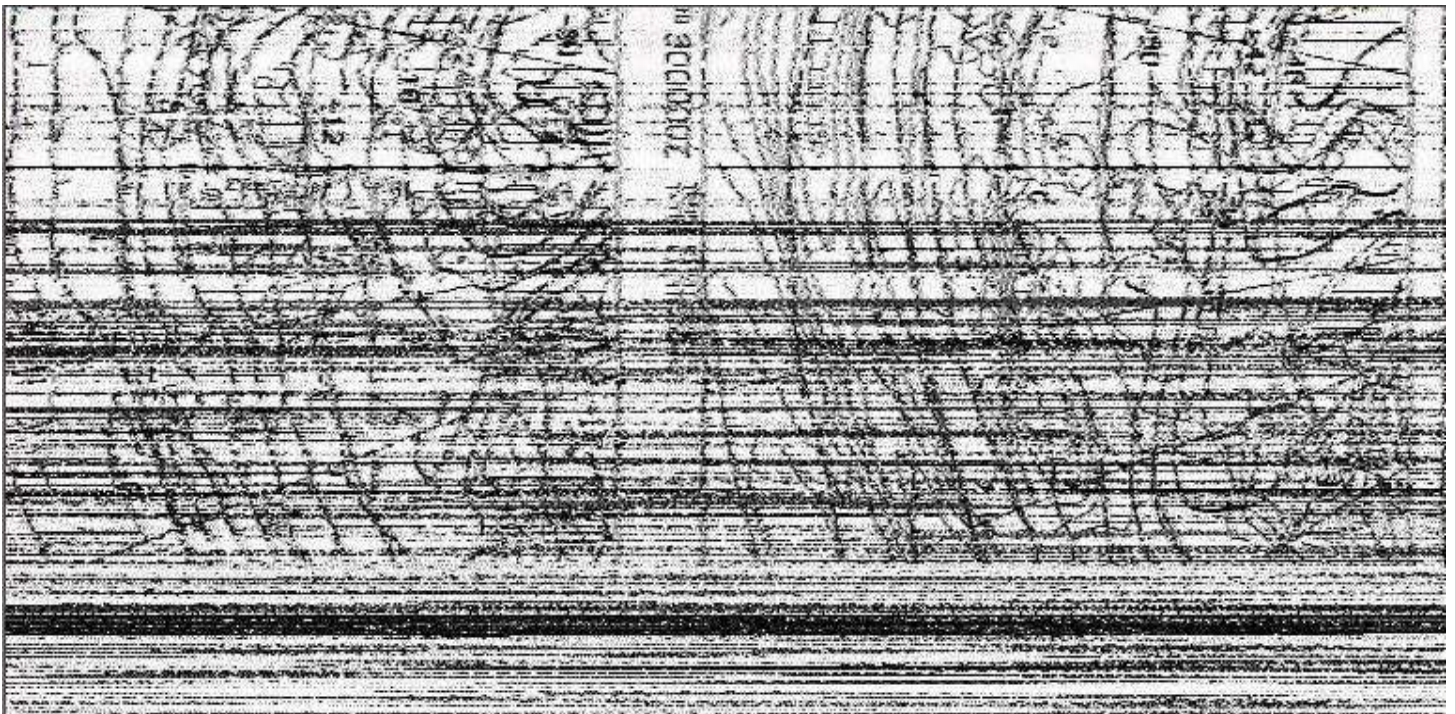
5. Moroccan, Spanish and Tamil fishery

Moroccan and Spanish fishermen abused 7, 10, 14 and 21 MHz on different frequencies. Tamil fishery was active on 14000 and 21000 kHz daily.

6. Tokyo Meteo on 3622.5 kHz

I was very astonished to see, that nobody remarked the Wxfax from Tokyo Meteo (ident: JMH) on 3622.5. Parameters: 120 rpm – IOC576 – daily audible in the evening hours. **The transmissions are legal!**
[Screenshot below!](#)

**Tokyo Meteo (JMH) on 3622.5 kHz with 120 rpm and IOC 576
screenshot: DK2OM with Wavecom W61 – date: Jan. 28th 2010**



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 OVERVIEW FOR January, 2010

There was no change in the general intruder situation Propagation often favoured long ranges, showing rather more central African Francophone stations than usual, and there were some periods of almost total blackouts on 40 meters

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	vt	4	1	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7003.0	0817	7	1	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7006.0	vt	*	1	ZAI	UiPHONE	J3Eu	Vernacular, some English. *4,31.
ARSK	7012.0	vt	dly	1	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7015.0	vt	*	1	ZAI	UiPHONE	J3E	Vernacular.
ARSK	7017.0	vt	*	1	SOM	UiPHONE	J3Eu	Somalis. *31,31.
ARSK	7020.0	vt	*	1	ZAI	UiPHONE	J3E	Vernacular.*4,
ARSK	7024.0	0815	7	1	ZAI?	UiPHONE	J3Eu	Vernacular.
ARSK	7025.0	vt	*	1	ZAI	UiPHONE	J3Eu	Vernacular. *10,30,31.
ARSK	7026.0	vt	dly	1	SDN	T1, T2, Peter, PA, PD, E1. Twiga net	J3Eu	English, sometimes encryped messages, NGO.
ARSK	7027.0	0819	5	1	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7028.0	0729	1	1	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7030.0	vt	*	1	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7031.0	vt	*	1	SOM	UiPHONE	J3Eu	Somalis. *2,7,
ARSK	7032.0	0730	4	1	SDN	UiPHONE	J3E	English, phonetics. NGO.
ARSK	7034.0	1336	31	1	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7040.0	0732	4	1	SOM	UiPHONE	J3Eu	Somalis. *7,30,31.
ARSK	7042.0	1334	31	1	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7045.0	0732	4	1	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7045.0	vt	dly	1	SDN	MM, NE, NU, AA, AK, AJ, AL, AT, AO, DU, WL1, WL2, WL4,WL5,WL6, 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 mssage.
ARSK	7050.0	0737	2	1	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7050.0	0820	5	1	SDN?	AB,	J3E	English, possibly NGO.
ARSK	7060.0	vt	*	1	ZAI	UiPHONE	J3E	Vernacular.*7,30,
ARSK	7070.0	0935	8	1	ZAI	UiPHONE	J3Eu	Vernacular, KiSwahili.
ARSK	7085.0	1353	30	1	ZAI	UiPHONE	J3Eu	KiSwahili, French.
ARSK	7092.0	vt	*	1	SOM	UiPHONE	J3Eu	Somalis. *4,31.
ARSK	7110.0	vt	dly	1	ETH	Addis Ababa	A3E	Broadcast, Addis Ababa, Ethiopia
ARSK	7131.0	0811	7	1	SOM	UiPHONE	J3Eu	Somali, calling Bokaro (Mogadishu market.) .
ARSK	7140.0	0937	8	1	ZAI?	UiPHONE	J3Eu	Vernacular, Kiswahili.
ARSK	7142.0	0738	2	1	SOM	UiPHONE	J3Eu	Somalis.

H'd by	kHz	UTC	DD	MM	ITU	Identity	MODE	DETAILS
ARSK	7165.0	vt	dly	1	ETH	Addis Ababa	A3E	Broadcast. Arabic, Amharic.
ARSK	7175.0	vt	dly	1	ERI	VOBM?	A3E	Broadcast.
ARSK	7195.0	vt	dly	1	UGA	Kampala	A3E	Broadcast, Radio Uganda
ARSK	7200.0	vt	dly	1	SDN	Khartoum	A3E	Broadcast in Arabic, Khartoum.

DARC – Germany – Part 1 – DJ9KR (Ui)

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

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS AND COMMENTS
DARC	1811,4	1933	03	01		UiILL	J3E-U	unid pirates
DARC	3500,0	2030	04	01		UiBC ***)	A3E	unid BC-IM ***) see note below!
DARC	3500,0	0944	14	01	I	UiILL	J3E-U	pirates in Italian voice
DARC	3500,0	1850	20	01	G	UiILL	J3E-U	UK , very rude and obscene!
DARC	3500,0	1834	21	01	POR	UiILL	J3E-U	Portuguese fishery
DARC	3500,0	vt	vd	01	E	UiILL	J3E-U	Spanish fishery heard 19 25 28 at 1840, 1851, 2044
DARC	3508,0	2105	18	01	CIS	UiILL	J3E-L	net in Russian voice
DARC	3510,0	1415	29	01	N.Eu	UiILL	J3E-U	Scandinavians
DARC	3518,0	1645	12	01	G	UiILL	J3E-U	UK fishery
DARC	3535,0	2048	18	01	HRV	UiILL	J3E-U	pirates in Croatian voice
DARC	3535,0	2134	26	01	G	UiILL	J3E-U	UK fishery
DARC	3535,0	vt	vd	01	HOL	UiILL	J3E-U	Dutch fishery heard 12 13 18 at 1709, 1645, 1941
DARC	3541,0	1826	18	01	G	UiILL	J3E-U	UK fishery
DARC	3545,0	1920	25	01	E	UiILL	J3E-U	Spanish fishery
DARC	3550,0	1958	26	01	G	UiILL	J3E-U	UK fishery
DARC	3550,0	0630	29	01	F	French Lis Amateurs	A3E	French Lis Amateurs using AM (A3E)
DARC	3550,0	vt	31	01	F	French Lis Amateurs	A3E	F5BQT, F1APJ = Christophe, F5DQH = Michel, F8XH = Jacques, F8IM = André, F6BII = Max, Villeneuve-sur-Lot, F6FZT - heard 0840 - 0850 - not respecting IARU Band Plan
DARC	3550,0	vt	31	01	F	French Lis Amateurs	J3E-L	this time in SSB: F6BI = Max, F5TV = Gérard, F??? = Yves - heard 0930 - 0937 - not respecting IARU Band Plan
DARC	3555,5	1842	08	01	E	UiILL	J3E-U	Spanish fishery
DARC	3556,8	2039	06	01	E	UiILL	J3E-L	Spanish pirates, male and female persons, using SSB-LSB
DARC	3560,0	1819	06	01	KRE	V.o.Korea	A3E	daily, heard 06 14 19 at 1819 - 2135
DARC	3560,0	2103	14	01	KRE	V.o.Korea	A3E	weak signal
DARC	3569,0	2015	08	01	G	UiILL	J3E-U	UK fishery
DARC	3570,0	1804	10	01	HOL	UiILL	J3E-U	Dutch fishery
DARC	3575,0	0848	31	01	F	UiILL	A3E	French male net
DARC	3590,0	2303	24	01	E	Castro-1	J3E-U	Spanish fishery
DARC	3600,0	1747	19	01	F	French Lis Amateurs	A3E	French Lis Amateurs using AM (A3E)
DARC	6997,9	1012	10	01	I	Franco	J3E-U	Italian male voice caling "Paolo di Franco"
DARC	6999,0	0846	13	01	E	UiILL	J3E-U	Spanish fishery, splattering up
DARC	7000,0	1548	01	01		UiILL	J3E-L	pirate net, male with female, using SSB-LSB
DARC	7000,0	1400	03	01	F.Ea	UiILL	J3E	Far East pirates, daily, using SSB-USB and also SSB-LSB, as they want
DARC	7000,0	2300	03	01	E	UiILL	J3E-U	persons in Spanish voice
DARC	7000,0	1940	06	01	MRC	UiILL	J3E-U	Moroccan fishery
DARC	7000,0	0730	07	01	TUR	UiILL	J3E-U	male person in Turkish voice
DARC	7000,0	1937	18	01	I	UiILL	J3E-L	Italian persons in SSB-LSB
DARC	7000,0	1507	29	01	I	UiILL	J3E-U	Italian pirates
DARC	7000,0	vt	vd	01	I	Italian Lis Amateurs	J3E-L	possible Italian lis amateurs. They are using ham radio calls, traffic in LSB which means "out-of-band" operation - strange!
DARC	7000,2	2306	07	01	F	UiILL	J3E-U	pirates in French voice, USB

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS AND COMMENTS
DARC	7000,3	0945	01	01		UiILL	J3E-U	unid pirate net
DARC	7001,0	vt	vd	01	MRC	UiILL	J3E-U	heard 01 17 at 2300, 2140
DARC	7001,2	1011	10	01	I	Franco	J3E-L	Italian male voice caling "Paolo di Franco"
DARC	7010,0	2019	19	01		Lima-1	J3E-U	pirates in unid voice
DARC	7018,0	2103	15	01	RUS	UiPTR	F1B	fast reversals
DARC	7022,3	1541	26	01	MRC	UiILL	J3E-L	Moroccan pirates
DARC	7024,3	1930	01	01	F.Ea	UiILL	J3E-U	Far East pirates, daily
DARC	7029,0	0805	29	01	CIS	UiILL	J3E-U	Russian male and female persons
DARC	7038,7	vt	vd	01	UKR	beacon D	A1A	Sevastopol
DARC	7039,0	vt	vd	01	RUS	beacon C	A1A	Moscow
DARC	7039,0	vt	vd	01	I	IZ3DVW / BEACON	A1A	unwanted and not coordinated beacon
DARC	7050,0	vt	19	01		UiILL	J3E-U	unid male voice, shrieky, slightly distorted, heard 2127 - 2136 - s/off when asked for call sign
DARC	7054,0	2108	05	01	RUS	UiPTR	F1B	printer and reversals
DARC	7100,0	1940	06	01	KRE	V.o.Korea	A3E	Korean music
DARC	7100,0	vt	06	01		UiBC	A3E	compl. distorted Spanish px, also on 7100, 7212, 7280, fundamental seems to be 7280, heard 2110 - 2140
DARC	7100,0	1945	15	01	KRE	V.o.Korea	A3E	BC
DARC	7100,0	vt	19	01	E	UiILL	J3E-U	2 male persons in Spanish voice, from 7110 - heard 2145 - 2152 s/off
DARC	7105,0	1940	06	01	TUN	RTV Tunisia	A3E	IM, S6, Ar px, involved 7225 and 7345
DARC	7105,0	2106	15	01	TUN	RTV Tunisia	A3E	is active
DARC	7110,0	1940	06	01	ETH	R. Ethiopia	A3E	mx, S6
DARC	7110,0	0719	13	01	ETH	R. Ethiopia	A3E	weak signal
DARC	7110,0	1945	15	01	ETH	R. Ethiopia	A3E	S9
DARC	7110,0	0736	16	01	ETH	R. Ethiopia	A3E	weak signal
DARC	7110,0	1640	17	01	ETH	R. Ethiopia	A3E	
DARC	7110,0	1736	19	01	ETH	R. Ethiopia	A3E	S9-signal
DARC	7110,0	2144	19	01	E	UiILL	J3E-U	2 male persons in Spanish voice, to 7100
DARC	7110,0	vt	19	01	ETH	R. Ethiopia	A3E	heard 1640 - 1748
DARC	7110,0	1436	28	01	ETH	R. Ethiopia	A3E	HOA music
DARC	7110,0	vt	28	01	ETH	R. Ethiopia	A3E	heard 1640 - 1748
DARC	7110,0	1540	29	01	ETH	R. Ethiopia	A3E	
DARC	7110,0	vt	vd	01	ETH	R. Ethiopia	A3E	heard 18 - 29 at 1743 - 1942
DARC	7110,0	vt	vd	01	ETH	R. Ethiopia	A3E	heard 08 - 30 at 0342, 1346 - 1709 - HOA music
DARC	7118,0	2125	13	01	E	UiILL	J3E-U	Spanish male person
DARC	7118,0	vt	15	01		UiPTR	F1B	heard 0906, 1003 with fast reversals
DARC	7120,0	vt	15	01	GRC	SV3GUD	J3E-U	2 male persons in Greek, using USB, heard 0820 - 0826 - just info!
DARC	7125,0	2110	05	01	GUI	R. Conakry	A3E	"Conrakry" often heard
DARC	7125,0	1940	06	01	GUI	R. Conakry	A3E	mx, African harp, S8
DARC	7125,0	0719	13	01	GUI	R. Conakry	A3E	French px S9+10dB
DARC	7125,0	2137	13	01	GUI	R. Conakry	A3E	weak signal
DARC	7125,0	0750	15	01	GUI	R. Conakry	A3E	S8

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS AND COMMENTS
DARC	7125,0	1945	15	01	GUI	R. Conakry	A3E	African harp, "Conakry" often mentioned, French px, S9
DARC	7125,0	0736	16	01	GUI	R. Conakry	A3E	French px S9+10dB
DARC	7125,0	1640	17	01	GUI	R. Conakry	A3E	French px
DARC	7125,0	0707	18	01	GUI	R. Conakry	A3E	S9+10dB-signal
DARC	7125,0	1736	19	01	GUI	R.Conakr y	A3E	S4-signal
DARC	7125,0	1747	19	01	GUI	R.Conakr y	A3E	
DARC	7125,0	2125	19	01	GUI	R.Conakr y	A3E	unid language
DARC	7125,0	2138	19	01	GUI	R.Conakr y	A3E	music
DARC	7125,0	1632	21	01	GUI	R. Conakry	A3E	vy weak modulation, carrier S9
DARC	7125,0	vt	vd	01	GUI	R. Conakry	A3E	heard all month at 0700, 1632 - 2145
DARC	7130,0	1736	19	01		UiBC	A3E	very weak BC
DARC	7130,0	vt	19	01		UiBC	A3E	Qur`an recitals 1615 - 1700/, then to 7160, later to 7190 - report Jari Savolainen, Finland
DARC	7133,0	0830	18	01	G	UiILL	J3E-U	station located poss. In Scotland, no partner stn audible - report DL9DAC
DARC	7135,0	2153	14	01		UiBC	A3E	S3
DARC	7135,0	2138	19	01		UiBC	A3E	S4 signal
DARC	7140,0	0719	13	01	KRE	V.o.Korea	A3E	weak signal
DARC	7140,0	vt	15	01	KRE	V.o.Korea	A3E	heard 0815 - 0848
DARC	7140,0	0736	16	01	KRE	V.o.Korea	A3E	weak signal
DARC	7140,0	1106	29	01	KRE	V.o.Korea	A3E	Chinese or Koran voice, weak signal
DARC	7155,0	1913	19	01	ETH	ETH Govt. Jammer	JAM	White Noise jammer
DARC	7160,0	vt	06	01		UiBC	A3E	compl. distorted Spanish px, also on 7100, 7212, 7280, fundeamental seems to be 7280, heard 2110 - 2140
DARC	7160,0	vt	19	01		UiBC	A3E	Qur`an recitals 1700 - 1755/, later to 7190 - report Jari Savolainen, Finland
DARC	7165,0	0719	13	01	ETH	R. Ethiopia	A3E	weak signal
DARC	7165,0	1640	17	01	ETH	R. Ethiopia	A3E	English px 1600 - 1700
DARC	7165,0	vt	17	01	ETH	R. Ethiopia	A3E	French px 1700 - 1800, jingle with African harp
DARC	7165,0	1747	19	01	ETH	R. Ethiopia	A3E	French px
DARC	7165,0	vt	19	01	ETH	R. Ethiopia	A3E	at 1600: This is the External Service of Radio Ethiopia, transmitting in English" - herd 1600 - 1634
DARC	7165,0	1630	21	01	ETH	R. Ethiopia	A3E	English news S9+20dB
DARC	7165,0	1707	25	01	ERI	V.o.Broad Masses	A3E	2nd px audible at the same time, S9+15dB
DARC	7165,0	1707	25	01	ETH	R. Ethiopia	A3E	2nd px audible at the same time, S9+15dB
DARC	7165,0	1747	28	01	ETH	R. Ethiopia	A3E	French px
DARC	7165,0	vt	28	01	ETH	R. Ethiopia	A3E	En px "External Service" - s/on at 1600 - still heard at 1634
DARC	7165,0	1734	31	01	ETH	R. Ethiopia	A3E	French px about "Radio Fana", song "Paloma Blanca"
DARC	7165,0	vt	vd	01	ETH	R. Ethiopia	A3E	1600 - 1700: English px
DARC	7165,0	vt	vd	01	ETH	R. Ethiopia	A3E	1700 - 1800: French px
DARC	7165,0	vt	vd	01	ETH	R. Ethiopia	A3E	heard 20 21 26 at 1726 - 1747

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS AND COMMENTS
DARC	7165,0	vt	vd	01	ETH	ETH Govt. Jammer	JAM	White Noise jammer heard 17 30 at 1345, 1632
DARC	7165,2	0736	16	01	ETH	R. Ethiopia	A3E	weak signal
DARC	7165,5	1732	14	01	ETH	R. Ethiopia	A3E	French px
DARC	7165,5	vt	14	01	ETH	R. Ethiopia	A3E	jingle, ann. with big echo from echo chamber, heard 1502 - 1543
DARC	7165,5	1731	19	01	ETH	R. Ethiopia	A3E	French px
DARC	7175,0	1940	06	01	ERI	V.o.Broad Masses	A3E	mx S9+10dB
DARC	7175,0	1556	09	01	ERI	V.o.Broad Masses	A3E	HOA music, S9+10dB
DARC	7175,0	0719	13	01	ERI	V.o.Broad Masses	A3E	weak signal
DARC	7175,0	vt	14	01	ERI	V.o.Broad Masses	A3E	heard 1501 - 1735 in Arabic, "Eritrey" often mentioned
DARC	7175,0	1945	15	01	ERI	V.o.Broad Masses	A3E	Arabic px, S9
DARC	7175,0	0736	16	01	ERI	V.o.Broad Masses	A3E	
DARC	7175,0	1344	17	01	ERI	V.o.Broad Masses	A3E	covered by jammer
DARC	7175,0	1640	17	01	ERI	V.o.Broad Masses	A3E	slightly audible under jammer 1640 - 1701
DARC	7175,0	vt	17	01	ETH	ETH Govt. Jammer	JAM	White Noise jammer heard 1640 - 1701
DARC	7175,0	0707	18	01	ERI	V.o.Broad Masses	A3E	very weak signal, just barely readable
DARC	7175,0	1635	19	01	ETH	ETH Govt. Jammer	JAM	White Noise jammer 10 kHz spread
DARC	7175,0	1731	19	01	ETH	ETH Govt. Jammer	JAM	White Noise jammer 10 kHz spread
DARC	7175,0	1742	19	01	ERI	V.o.Broad Masses	A3E	Arabic px, clear QRG now
DARC	7175,0	vt	19	01	ERI	V.o.Broad Masses	A3E	VoBM under the ETH Jammer, heard 1634 - 1747
DARC	7175,0	1512	21	01	ERI	V.o.Broad Masses	A3E	African music and voice, S9+15dB
DARC	7175,0	1628	21	01	ERI	V.o.Broad Masses	A3E	covered by jammer
DARC	7175,0	1704	25	01	ETH	ETH Govt. Jammer	JAM	White Noise jammer
DARC	7175,0	1436	28	01	ERI	V.o.Broad Masses	A3E	HOA music
DARC	7175,0	1634	28	01	ETH	ETH Govt. Jammer	JAM	White Noise jammer
DARC	7175,0	1634	28	01	ERI	V.o.Broad Masses	A3E	just barely audible under jammer
DARC	7175,0	vt	vd	01	ERI	V.o.Broad Masses	A3E	heard 19 - 29 at 1731 - 1948
DARC	7179,0	2204	03	01	RUS	G. Rossiye	A3E	2 px heard in Russian - is possibly Intermodulation IM
DARC	7179,0	2110	04	01	RUS	G. Rossiye	A3E	Ru px
DARC	7179,0	2110	05	01	RUS	G. Rossiye	A3E	Russian px, possibly IM
DARC	7179,0	2145	05	01	RUS	G. Rossiye	A3E	Ru px

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS AND COMMENTS
DARC	7179,0	2137	13	01	RUS	G. Rossiye	A3E	S4
DARC	7179,0	2125	19	01	RUS	G. Rossiye	A3E	Russian px
DARC	7179,0	vt	30	01	RUS	G. Rossiye	A3E	Ru px, 2 px audible, heard 2125 - 2205
DARC	7180,0	2204	03	01	KRE	V.o.Korea	A3E	Chinese px heard all month 2100 - 2200 - 10 reports all month
DARC	7180,0	2110	05	01	KRE	V.o.Korea	A3E	Chinese px
DARC	7180,0	2124	13	01	KRE	V.o.Korea	A3E	Chinese px, weak
DARC	7180,0	2106	15	01	KRE	V.o.Korea	A3E	Chinese px
DARC	7180,0	2125	19	01	KRE	V.o.Korea	A3E	Chinese px
DARC	7180,0	2138	19	01	KRE	V.o.Korea	A3E	Chinese px
DARC	7190,0	vt	19	01		BC	A3E	Qur`an recitals 1800 - 1855 - from 7160 - report Jari Savolainen, Finland
DARC	7191,0	vt	vd	01	I	Italian Lis Amateurs	A3E	AM used!
DARC	7194,6	1133	14	01		UiCAR	NON	unstable carrier
DARC	7195,0	1520	13	01		UiBC	A3E	Afro-Pop music, French voice - report Hans Pammer, Austria
DARC	7195,0	1539	13	01		UiBC	NON	carrier, then sign off - report Hans Pammer, Austria
DARC	7195,0	1703	13	01		UiBC	A3E	news in English - report Jari Savolainen
DARC	7195,0	1712	13	01		UiBC	A3E	sign off - report Jari Savolainen
DARC	7195,0	0715	28	01		UiBC	A3E	weak, S2
DARC	7195,0	vt	vd	01	I	Italian Lis Amateurs	A3E	in AM often heard
DARC	7198,0	vt	15	01	CHN	UiMUX	PSK2	AT-3004-D heard 1945 - 2108
DARC	7198,0	vt	vd	01	CHN	UiMUX	PSK2	AT-3004-D, heard 19 - 26 at 1733 - 1951, weak signal
DARC	7198,0	vt	vd	01	CHN	UiMUX	PSK2	AT-3004-D, heard 25 - 29 at 1754 - 1951
DARC	7200,0	2110	05	01	IRN	IRIB	A3E	Spanish px S9+30dB
DARC	7200,0	2110	06	01	SDN	Radio Omdurman	A3E	Ar px, weak modulation
DARC	7200,0	1555	08	01	SDN	Radio Omdurman	A3E	unreadable, carrier S9+10dB
DARC	7200,0	0813	10	01	RUS	G. Rossiye	A3E	Russian voice S9+10dB
DARC	7200,0	0719	13	01		UiBC	A3E	weak signal
DARC	7200,0	0719	13	01	ROU	Radio Romania	A3E	splatters
DARC	7200,0	0340	14	01	SDN	Radio Omdurman	A3E	Arabic px and music S9+10dB
DARC	7200,0	1501	14	01	SDN	Radio Omdurman	A3E	Ar px
DARC	7200,0	1736	14	01	SDN	Radio Omdurman	A3E	s/on Arabic px
DARC	7200,0	0750	15	01	SDN	Radio Omdurman	A3E	weak signal
DARC	7200,0	1945	15	01		UiBC	A3E	weak signal
DARC	7200,0	vt	15	01	RUS	G. Rossiye	A3E	Ru px heard 0750 - 0806
DARC	7200,0	0736	16	01	RUS	G. Rossiye	A3E	Russian px
DARC	7200,0	0707	18	01	RUS	G. Rossiye	A3E	Russian px
DARC	7200,0	0822	18	01	RUS	G. Rossiye	A3E	is Golos Rossiye (= Voice of Russia)
DARC	7200,0	1731	19	01	SDN	Radio Omdurman	A3E	African language
DARC	7200,0	1743	19	01	SDN	Radio Omdurman	A3E	Arabic language

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS AND COMMENTS
DARC	7200,0	vt	19	01	RUS	G. Rossiye	A3E	Russian px heard 0800 - 0930, S9+20dB - report DJ5AX
DARC	7200,0	1436	28	01	SDN	Radio Omdurman	A3E	Arabic px
DARC	7200,0	vt	dly	01	RUS	G. Rossiye	A3E	Russian px heard 0001, 0237, 0240. 0702, 0832, 1340, 1936, 2005, 2323
DARC	7200,0	0811	vd	01	RUS	G. Rossiye	A3E	Ru px
DARC	7200,0	vt	vd	01	IRN	IRIB	A3E	station Ahwaz 1630 - 1730
DARC	7200,0	vt	vd	01	IRN	IRIB	A3E	station Kamalabad 1830 - 1930
DARC	7200,0	vt	vd	01	BGD	Radio Bangla Desh	A3E	1300 - 1600, every day 25.10.09 - 28.03.10
DARC	7200,0	vt	vd	01	RUS	Radio Rossiye	A3E	2000 - 1600, every day 25.10.09 - 28.03.10
DARC	7200,0	vt	vd	01	IRN	IRIB	A3E	2030 - 2130, every day 25.10.09 - 28.03.10, Spanish px
HFCC	7200,0	vt	vd	01	SDN	Radio Omdurman	A3E	Arabic px heard 07 22 at 1800 - 1900
DARC	7200,0	vt	vd	01	SDN	Radio Omdurman	A3E	heard 19 - 26 at 1734 - 1952
DARC	7200,0	vt	vt	01	RUS	G. Rossiye	A3E	Ru px, heard 15 16 at 0715, 0813
DARC	7210,0	0707	18	01	ROU	R. Romania Intl.	A3E	harmful splatters into ham band, Ge px
DARC	7210,0	vt	dly	01	TUR	Voice of Turkey	A3E	harmful splatters into ham band, Ge px - heard 1856 - 1919
DARC	10100,8	vt	dly	01	D	DDH, DDK2, DDK9	F1B	German weather heard 0605 - 1540 - is allowed!
DARC	10101,0	0816	02	01	MRC	UiILL	J3E-U	Moroccan fishery
DARC	10101,0	1528	24	01	TUR	UiILL	J3E-U	Turkish pirates
DARC	10101,3	1822	26	01	MRC	UiILL	J3E-U	Moroccan fishery
DARC	10120,0	1922	11	01	MRC	UiILL	J3E-U	Moroccan fishery
DARC	10121,4	1038	26	01		UiILL	J3E-U	pirates in English voice - from 10130,6
DARC	10125,0	1039	10	01	E	UiILL	J3E-U	Spanish fishery
DARC	10130,0	2011	07	01	KOR	UiILL	J3E-U	Korean ships, fishery
DARC	10130,0	1428	29	01	F.Ea	UiILL	J3E-U	Far East pirates
DARC	10130,6	1037	26	01		UiILL	J3E-U	pirates in English voice - to 10121,4
DARC	10132,0	1700	19	01		UiILL	J3E-U	unid male persons
DARC	10134,0	1712	19	01		OK0EF BEACON	A1A	private beacon of OK0EF, beaconomania!
DARC	10135,0	1524	04	01	MRC	UiILL	J3E-U	Moroccan fishery
DARC	10135,0	vt	19	01	N.Af	UiILL	J3E-U	2 male persons spelling figures in Arabic, heard 1717 - 1744
DARC	10138,0	1700	19	01	I	IK3NW X / BEACON	A1A	Italian beaconomania
DARC	10142,5	vt	19	01	Af	UiILL	J3E-U	2 male persons in African dialect, heard 1720 - 1729
DARC	10145,0	1020	11	01	F.Ea	UiILL	J3E-U	pirates from Far East
DARC	10147,0	1620	01	01	F.Ea	UiILL	J3E-L	Far East pirates, daily
DARC	10150,0	0945	01	01	MRC	UiILL	J3E-U	Moroccan fishery
DARC	10150,0	1044	22	01	E	UiILL	J3E-U	Spanish fishery
DARC	13970,0	vt	15	01	CHN	Hainan Music Jammer	JAM	heard 0836 - 0900 and agn sign on 0905 (after a 5 minutes break) - just info!
DARC	13970,0	0948	29	01	CHN	Hainan Music Jammer	JAM	is active, just info!
DARC	14000,0	1049	04	01	CLN	UiILL	J3E-U	Tamil fishery
DARC	14000,0	1333	22	01	CHN	Radio Kashi	A3E	S8-signal, is IM2 of 1) Fr px 13710 and 2) Chinese px 13855 (is located in Kashgar

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS AND COMMENTS	
						(Kashgar)		City, Xinjiang Autonomous Chinese Republic)	
DARC	14000,0	1203	23	01	ISR	PCD2	A3E	female voice, is Mossad	
DARC	14000,0	vt	24	01	CHN	Radio Kashi (Kashgar)	A3E	is IM-China, 13710 and 13855 involved - tnx DF5SX for your help	
DARC	14000,0	1312	26	01	CHN	Radio Kashi (Kashgar)	A3E	S8-signal, is IM2 of 1) Fr px 13710 and 2) Chinese px 13855	
DARC	14000,0	1809	29	01	E	UiILL	J3E-U	Spanish female, whistling, "cambio" when changing mikes	
DARC	14000,0	1809	29	01	E	UiILL	J3E-U	Spanish woman whistling, "cambio"	
DARC	14000,0	1432	31	01		UiILL	J3E-U	male voice calling "Mahmout"	
DARC	14001,0	vt	vd	01	MRC	UiILL	J3E-U	Moroccan fishery, heard 10 11 at 1049, 0845	
DARC	14001,5	1210	08	01	CLN	UiILL	J3E-U	Tamil fishery	
DARC	14002,0	1726	03	01	MRC	UiILL	J3E-U	Moroccan fishery	
DARC	14023,6	1048	11	01	CIS	UiILL	J3E-U	male net in Russian voice	
DARC	14121,0	1112	13	01	CLN	UiILL	J3E-U	Tamil fishery	
DARC	14131,1	1835	26	01	MRC	UiILL	J3E-U	Moroccan fishery	
DARC	14151,8	1830	26	01	MRC	UiILL	J3E-U	Moroccan fishery	
DARC	14256,0	1003	14	01	RUS	UiBC	A3E	BC-IM, distorted modulation, program in Russian voice	
DARC	14295,1	0840	15	01	TJK	R. Tajikistan	A3E	S6, is 3f de 4765 also audible	
DARC	14295,1	0900	15	01	TJK	R. Tajikistan	A3E	pulsating carrier	
DARC	14325,9	0840	15	01		UiILL	J3E-U	2 male persons in Korean or Japanese voice, beam heading to North Atlantic, so poss. fishery	
DARC	18100,0	1246	08	01	F.Ea	UiILL	J3E-U	pirates from Far East	
DARC	21000,0	1102	07	01	F.Ea	UiILL	J3E-U	Tamil fishery	
DARC	21000,3	1050	11	01	CLN	UiILL	J3E-U	Tamil fishery	
DARC	21000,4	1153	21	01	S.As	UiILL	J3E-U	fishery west of Andaman Islands	
DARC	21000,4	vt	vd	01	S.As	UiILL	J3E-U	Tamil fishery, Sinhala language	
DARC	21001,0	1053	17	01	CLN	UiILL	J3E-L	pirates in Tamil voice	
DARC	21121,5	vt	vd	01	E	UiILL	J3E-U	Spanish fishery	
DARC	28115,0	1110	20	01	RUS	UiILL	F3E	Russian taxi business	
***)	29700,0	NOTE				NOTE	A3E	BC-stations (fundamental, harmonic, IM3-product)	

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	1876,8	2036	19	01	G		PSK8	2400	2600	Stanag4285 - 1200 bps long platform east of Scotland
DARC	1896,5	ady	dly	01	D		PSK8	2400	2600	Stanag4285 – German Navy – North-Germany
DARC	3500,0	vt	dly	01	TUR	no ITU	FSK8	125	1750	ALE, “1020” “2010” “2015” - Turkish Red Crescent
DARC	3503,5	vt	dly	01	G	no ITU	FSK8	125	1750	ALE – “XSS” “XPU” – British MIL Tascomm
DARC	3506,0	vt	dly	01	ALG	no ITU	FSK8	125	1750	ALE, “FS40” “GS46” “GS50”
DARC	3522,0	2057	17	01	LTU		F1B	75	250	Lithuania - area of Kaunas
DARC	3527,0	2254	10	01	RUS		F1B	50	200	Far-East-RUS
DARC	3529,0	vt	dly	01		no ITU	FSK8	125	1750	ALE, “hEJ” “0cl” “Fv6”
DARC	3532,0	2300	27	01	ALG		FSK8	125	1750	ALE, “VR20” “VR21”
DARC	3533,0	vt	dly	01	E	no ITU	FSK	125	1750	ALE, “TYV” “TWL” - Spanish Guardia Civil

DARC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
DARC	3535,0	1730	12	01	UKR		PSK2	120	2600	AT3004D
DARC	3536,5	1929	25	01	ISR		PSK4	75	3000	MIL-188-110A - hybrid modem
DARC	3548,0	2030	01	01	RUS		F1B	50	200	RUS MIL - Murmansk
DARC	3550,0	vt	dly	01	F	no ITU	FSK8	125	1750	ALE, "DRI" - French MIL
DARC	3553,8	ady	dly	01	TUR		PSK8	2400	2600	Stanag4285 – TUR MIL
DARC	3555,8	2013	06	01	RUS		F1B	150	150	west of Samara
DARC	3558,0	vt	dly	01	TUR	no ITU	FSK8	125	1750	ALE, "1020" Turkish Red Crescent
DARC	3560,0	1800	dly	01	KRE		A3E			Voice of North-Korea – illegal!
DARC	3560,0	2047	06	01						frequency hopper
DARC	3566,0	vt	dly	01	E	no ITU	FSK8	125	1750	ALE, "TWL" "TXX" Spanish Guardia Civil
DARC	3567,0	1931	20	01	UKR		PSK2	120	2600	AT3004D - Sevastopol
DARC	3568,0	1937	04	01	RUS		F1B	75	250	east of Kaliningrad
DARC	3570,0	2030	09	01	RUS		PSK2	120	2600	Far-East-Russia
DARC	3577,1	ady	dly	01	I	IZ3DVW	A1A			uncoordinated beacon
DARC	3585,0	1700	dly	01	TWN	HLL	F1C			120 rpm, IOC 576, Wxfax
DARC	3586,0	2045	26	01	BLR		PSK2	120	2600	AT3004D - north of Minsk
DARC	3588,0	2100	28	01	POL		F1B	75	200	north of Warsaw
DARC	3590,0	vt	dly	01	PAK	no ITU	FSK8	125	1750	ALE, "KW" "TARIQ" – "NRS" - Pakistan Navy - destroyer "Tariq"
DARC	3593,8	ady	dly	01	RUS	P	A1A			beacon "P" - Kaliningrad
DARC	3593,9	ady	dly	01	RUS	S	A1A			beacon "S" - Murmansk
DARC	3594,0	vt	dly	01	ALG	no ITU	FSK8	125	1750	ALE, "BT30" "FS30" "WA30"
DARC	3595,0	vt	dly	01	D	no ITU	FSK8	125	1750	ALE – „ZLST“ „ZPRI“ „ZSHO“ „ZBOR“ German customs – North - Germany
DARC	3596,0	vt	dly	01	HRV	9A0ALE	FSK8	125	1750	Croatian ALE-net --- for info!
DARC	3596,0	1858	12	01	D	DK0ESD	FSK8	125	1750	ALE, "DK0ESD" – interfering the Croatian emergency net
DARC	3601,0	2053	11	01	UKR		PSK2	120	2600	AT3004D - Lvov - West-Ukraine
DARC	3602,0	1727	18	01	BLR		PSK4	120	2600	AT3104D - Minsk
DARC	3605,0	1659	23	01	UKR		PSK2	120	2600	AT3004D -
DARC	3606,0	vt	dly	01	ALG	no ITU	FSK8	125	1750	ALE, "FS20" "TP20" "XT2"
DARC	3617,0	2255	10	01	UKR		PSK2	120	2600	AT3004D - Sevastopol
DARC	3622,5	2245	22	01	J	JMH	F1C			Tokyo Meteo - 120 rpm - IOC 576 – weather charts
DARC	3636,4	2110	28	01	?		A1A			"DKG6" de "3A7D" - endless slip - uniden
DARC	3650,0	2102	17	01						frequency hopper
DARC	3661,0	1843	13	01			F1B	40.5	200	system "Frost1" - ship, Black Sea, Turkish north coast
DARC	3672,5	1702	23	01	I		PSK8	2400	2600	Stanag4285 - Italian MIL
DARC	3713,8	2006	22	01	F		PSK4	75	2300	Link11 - east of Marseille
DARC	3716,3	vt	dly	01	CHN	no ITU	FSK8	125	1750	ALE, "140" "3SH"
DARC	3725,0	2215	28	01	E		FSK8	125	1750	ALE, "TWC" "TWVS1" - Spanish Guardia Civil
DARC	3735,0	1700	dly	01	POL		F1B	43	500	idling, South of Warsaw
DARC	3756,0	ady	dly	01	UKR		A3E			"The Pip" - 10 tones – UKR - MIL
DARC	3782,0	ady	dly	01	POR	CTP	F1B	75	850	POR Navy headquarter Lisbon
DARC	3800,0	2024	22	01	MEa		FSK8	125	1750	ALE, "T1Z130" "T28CAB" US MIL
DARC	7000,0	vt	dly	01	IRQ	no ITU	FSK8	125	1750	ALE, "SHDTC" "GUNTOC" – US MIL Iraq
DARC	7000,0	vt	dly	01						frequency hopper
DARC	7000,0	vt	dly	01	MEa	no ITU	FSK8	125	1750	ALE, "T1Z130" "T1Z137" "T1Z150" - US MIL
DARC	7000,0	2115	26	01	USA		P0N			uniden Radar – 3 pps, sounds like Codar – 7000 – 7040 kHz – USA east coast
DARC	7001,5	1615	02	01	ALG		PSK2	64.5	1800	Clover 2000
DARC	7001,5	1900	23	01	ISR		PSK4	75	2400	MIL-188-110A - hybrid modem

DARC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
DARC	7008,0	vt	dly	01		no ITU	FSK8	125	1750	ALE, "222" "297" "847" "981"
DARC	7008,0	1032	18	01	BLR		F1B	75	250	east of Minsk
DARC	7009,0	0100	01	01	CHN		PSK4	8 x 75	2200	PRC4+4, Central China
DARC	7010,0	vt	dly	01	GRC	no ITU	FSK8	125	1750	ALE, "RS004A" - NATO NC3A Network
DARC	7011,0	1034	26	01						frequency hopper
DARC	7014,0	vt	dly	01	NIG	no ITU	FSK8	125	1750	ALE, "4411" "4412" - Nigerian MOI (police)
DARC	7014,0	1505	18	01	CHN		P0N			uniden radar, 31.3 pulses/sec - CHN?
DARC	7016,0	1115	19	01	RUS		PSK2	120	2600	AT3004D - RUS MIL - Moscow
DARC	7018,0	vt	dly	01	RUS	REA4	F1A/B	50	1000	REA4 - Russian Airforce Moscow - ident: 00h + 41min
DARC	7020,0	vt	dly	01	GRC	no ITU	FSK8	125	1750	ALE, "BS008C1" "CS004A" - NATO NC3A Network
DARC	7020,8	0934	19	01						frequency hopper
DARC	7021,8	0934	19	01			PSK8	2400	3000	MIL-188-110A - 75 bps long
DARC	7038,7	ady	dly	01	UKR	D	A1A			Cluster beacon - Sevastopol RUS Navy - "RCV"
DARC	7038,8	ady	dly	01	RUS	P	A1A			Cluster beacon - Kaliningrad RUS Navy - "RMP"
DARC	7038,9	ady	dly	01	RUS	S	A1A			Cluster beacon - Murmansk RUS Navy - „RIT“
DARC	7039,0	ady	dly	01	RUS	C	A1A			Cluster beacon - Moscow RUS Navy - "RIW"
DARC	7039,2	ady	dly	01	RUS	F	A1A			Cluster beacon - Vladivostok RUS Navy - "RJS"
DARC	7039,3	1353	01	01	RUS	K	A1A			Cluster beacon - Petropavlovsk RUS Navy - "RCC"
DARC	7039,9	ady	dly	01	I	IZ3DVW	A1A			IZ3DVW - beacon not coordinated
DARC	7044,4	1500	dly	01	RUS		noise		2700	undefined noise, Novosibirsk
DARC	7045,0	0105	01	01	CHN		PSK4	8 x 75	2200	PRC4+4, East China
DARC	7047,0	1525	19	01	RUS		PSK2	120	2400	AT3004D - Sevastopol - RUS Navy
DARC	7049,5	vt	dly	01			FSK8	125	1750	ALE - Amateur-net, just for info!
DARC	7054,0	1700	dly	01	RUS		F1B	50	200	RUS MIL - Moscow
DARC	7066,0	1640	21	01	CIS		F1B	40.5	200	system Frost 1
DARC	7070,0	1525	23	01	CHN	no ITU	FSK8	125	1750	ALE, "288" "514" - PRC-PLA
DARC	7070,0	1820	05	01	USA		P0N			uniden Radar - 3 pps, sounds like Codar - 7050 - 7090
DARC	7073,0	0853	13	01						frequency hopper
DARC	7078,0	1120	19	01	RUS		PSK2	120	2600	AT3004D - RUS MIL - Moscow
DARC	7088,9	1430	04	01			A1A			encrypted CW, 40 bpm
DARC	7088,9	1410	05	01	S		A1A			CW training transmission - just for info
DARC	7089,0	0807	11	01	RUS		PSK2	120	2600	AT3004D - Kaliningrad
DARC	7089,9	1340	dly	01	UKR		F1C			Wxfax - 60 rpm, IOC576, Sevastopol - RUS Naval Base
DARC	7090,0	1633	06	01	TUR		PSK8	2400	3000	Link11 SLEW - West Turkey (base) with ship (Black Sea)
DARC	7092,0	vt	dly	01	TUR		FSK8	125	1750	ALE, "2010" "2016" - Turkish Red Crescent
DARC	7098,0	0959	23	01	RUS		F1B	75	250	south of Petropavlovsk
DARC	7098,0	0920	15	01	RUS		F1B	100	250	east of Moscow
DARC	7102,0	vt	dly	01	I	IK2YXT	FSK8	125	1750	ALE, "IK2YXT" - amateur ALE - just for Info
DARC	7116,0	1705	24	01	CHN	no ITU	FSK8	125	1750	ALE, "1706" "984" "139"
DARC	7118,0	0922	15	01	RUS		F1B	75	250	RUS MIL - south-west of Moscow
DARC	7135,0	1628	21	01						frequency hopper
DARC	7140,0	vt	dly	01	UZB	no ITU	FSK8	125	1750	ALE, "1104" "1708" "1703"

DARC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
DARC	7141,0	1612	25	01		no ITU	FSK8	125	1750	ALE, "7852"
DARC	7155,0	1347	10	01	UKR		PSK2	120	2600	AT3003D - Sevastopol
DARC	7165,0	1620	dly	01	ETH	QRM	A3E			white noise from Radio Ethiopia
DARC	7169,0	1148	22	01	RUS		PSK2	120	2600	AT300D - Moscow
DARC	7172,0	0705	14	01	RUS		F1B	60.8	200	RUS Navy - Severomorsk
DARC	7172,0	0940	14	01	RUS		PSK2	120	2600	AT3004D - Severomorsk
DARC	7175,0	1620	dly	01	ETH	QRM	A3E			white noise from Radio Ethiopia
DARC	7188,0	0952	04	01	RUS		F1B	75	250	RUS Navy - Kaliningrad
DARC	7196,0	0854	13	01	RUS		F1B	75	200	RUS MIL Petropavlovsk
DARC	7198,0	2015	15	01	RUS		PSK2	120	2600	AT3004D - Moscow
DARC	10107,0	vt	dly	01	RUS		A1A	50		50 dots/sec - no ident - Novosibirsk
DARC	10107,0	0952	09	01	RUS		F1B	42	250	north of Moscow
DARC	10112,0	ady	dly	01	TUR		PSK8	2400	2600	Stanag4285 – 600 bps long - Turkish MIL
DARC	10122,0	0900	28	01	BUL		F1B	50	500	50 Bd - async.
DARC	10123,0	0900	17	01	RUS		PSK2	120	2600	AT3004D - east of Moscow
DARC	10123,0	0900	28	01	RUS		F1B	75	250	RUS MIL - Kaliningrad
DARC	10125,0	1205	12	01	RUS		PSK2	120	2600	AT3004D - Moscow
DARC	10125,9	0826	18	01	RUS		F1B	50	500	
DARC	10130,0	vt	dly	01	RUS		F1B	50	500	RUS MIL - Kaliningrad
DARC	10130,0	1744	31	01						frequency hopper
DARC	10132,0	0932	28	01						frequency hopper
DARC	10133,4	0927	28	01	UKR		F1B	100	500	
DARC	10136,0	vt	dly	01	RUS		F1B	50	200	East-RUS
DARC	10145,5	vt	dly	01		CT1REP	FSK8	125	1750	ALE, Radio Amateurs, just for info!
DARC	10148,0	1140	06	01	RUS		F1B	76	250	RUS MIL - Moscow
DARC	14001,0	0858	11	01	CHN	no ITU	FSK8	125	1750	ALE, "272" China
DARC	14016,0	1000	18	01	LTU		F1B	75	500	Lithuania
DARC	14025,0	1657	11	01						frequency hopper
DARC	14026,0	0900	16	01	RUS		PSK2	120	2600	AT3004D - Velikije Luki
DARC	14036,0	1114	04	01	RUS	REA4	F1B	50	2000	harmonic from 7018 – REA4
DARC	14050,0	1227	08	01	CYP		P0N			splatter from OTH Cyprus on 13960
DARC	14107,0	1023	08	01	RUS		PSK2	120	2600	AT3004D - Moscow
DARC	14109,0	vt	05	01	D		FSK8	125	1750	Amateur-ALE, DK0ESD, just for info
DARC	14110,0	0700	04	01	CHN		PSK4	8 x 75	2200	PRC4+4 - Central China
DARC	14122,0	0835	08	01	RUS		PSK2	120	2600	AT3004D - Moscow
DARC	14180,0	1400	18	01	UKR		F1C			Wxfax – 60 rpm, IOC576, harmonic from 7089.9 - Sevastopol - RUS Naval Base
DARC	14192,0	14	01	01	RUS		F1B	50	500	RUS Navy - Kaliningrad
DARC	14195,0	1352	13	01						frequency hopper
DARC	14196,0	1053	15	01	RUS		F1B	75	500	RUS Navy - Kaliningrad
DARC	14211,0	0830	18	01	RUS		F1B	50	250	RUS MIL - east of Moscow
DARC	14295,1	ady	dly	01	TJK		A3E			Radio Tajik – 3 rd from 4765
DARC	14346,0	0925	17	01						frequency hopper
DARC	14347,0	vt	dly	01			PSK2	62.5	440	
DARC	21005,0	1120	25	01	CYP		P0N			OTH Radar Cyprus, 25 pps
DARC	21072,0	0947	28	01						frequency hopper
DARC	21145,8	ady	dly	01	I	IZ3DVW	A1A			uncoordinated beacon

IRTS – Ireland – EI4GXB (Ger)

KARS – Kuwait – 9K2RR (Faisal)

MRASZ – Hungary - HA7PL (Laci)

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	DETAILS
MRASZ	3598,4	1300	20	01	PSK8	Ui	UiMUX	2K4	3000	UNID BURST TRANSMISSION ENDED WITH ENCRYPTED ALE.
MRASZ	7000,0	VT	VD	01	FSK8 (ALE)	USA	UiMUX	125	1750	US ARMY net. (GUNTOC, SHDTC, ...)
MRASZ	7008,0	VT	VD	01	FSK8 (ALE)	Ui	UiMUX	125	1750	2222, 4760, 7601 SOUNDED
MRASZ	7010,0	VT	VD	01	FSK8 (ALE)	Ui	UiMUX	125	1750	CS-RS UNID NET
MRASZ	7011,0	VT	VD	01	FSK8 (ALE)	Ui	UiMUX	125	1750	UNID NEW INTRUDER: YW5 CALLED TXZ4
MRASZ	7014,0	VT	VD	01	FSK8	NIG	ALE	125	1750	411411 -- 411413 "411" net NIGERIAN POLICE
MRASZ	7020,0	VT	VD	01	FSK8 (ALE)	Ui	UiMUX	125	1750	CS-RS UNID NET
MRASZ	7024,0	VT	VD	01	FSK8 (ALE)	Ui	UiMUX	125	1750	2222, 7601 SOUNDED
MRASZ	7026,0	VT	VD	01	FSK8 (ALE)	Ui	UiMUX	125	1750	224-314 UNID
MRASZ	7031,0	VT	VD	01	FSK8 (ALE)	Ui	UiMUX	125	1750	322 SOUNDED
MRASZ	7045,0	VT	VD	01	FSK8 (ALE)	Ui	UiMUX	125	1750	2002-200 UNID (2001-201), 1006 SOUNDED
MRASZ	7051,0	VT	VD	01	FSK8 (ALE)	Ui	UiMUX	125	1750	110-NET UNID (1105-1101) UZBEK FORCES
MRASZ	7055,5	VT	VD	01	FSK8 (ALE)	Ui	UiMUX	125	1750	NEW INTRUDER 134, 135, 168, 145, 132. 768-344
MRASZ	7061,0	VT	VD	01	FSK8 (ALE)	Ui	UiMUX	125	1750	3312-NET UNID
MRASZ	7070,0	VT	VD	01	FSK8 (ALE)	GEO	UiMUX	125	1750	244-288 NET POSSIBLE GEORGIAN.
MRASZ	7071,0	VT	VD	01	FSK8 (ALE)	GER	UiMUX	125	1750	101-NET UNID (102, 103, 104, 105, 107, 109, 113, 115)
MRASZ	7080,0	VT	VD	01	FSK8 (ALE)	ALB	UiMUX	125	1750	ALBANIAN MoPO. 5810 SOUNDING
MRASZ	7092,0	VT	VD	01	FSK8 (ALE)	Ui	UiMUX	125	1750	4001, 2001 SUBNETS LOTS OF CALLSIGNS. F001 NET.
MRASZ	7095,0	VT	VD	01	FSK8 (ALE)	UZB	UiMUX	125	1750	110-NET UNID (1101, 1102, 1702, 1703, 1706, 1709) UZBEK FORCES
MRASZ	7096,0	VT	VD	01	FSK8 (ALE)	Ui	UiMUX	125	1750	101-NET UNID (102, 103, 104, 105, 107, 109, 113, 115)
MRASZ	7098,0	VT	VD	01	FSK8 (ALE)	Ui	UiMUX	125	1750	664-304
MRASZ	7100,0	VT	VD	01	FSK8 (ALE)	Ui	UiMUX	125	1750	1573 UNID
MRASZ	7102,0	VT	VD	01	FSK8 (ALE)	Ui	UiMUX	125	1750	
MRASZ	7104,0	VT	VD	01	FSK8 (ALE)	Ui	UiMUX	125	1750	104-845 UNID (153, 168, 132, 134, 145, 198, 264)
MRASZ	7106,0	VT	VD	01	FSK8 (ALE)	UK	UiMUX	125	1750	UK FOREST MOORE TASCOMM HF HQ. XSS CALLSIGN
MRASZ	7107,0	VT	VD	01	FSK8 (ALE)	Ui	UiMUX	125	1750	4378xx-NET (437802, 437805, 437806, 437815, 437817, 437843.
MRASZ	7111,0	VT	VD	01	FSK8 (ALE)	Ui	UiMUX	125	1750	171-129?
MRASZ	7115,0	VT	VD	01	FSK8 (ALE)	Ui	UiMUX	125	1750	1001 SOUNDED.
MRASZ	7116,0	VT	VD	01	FSK8 (ALE)	UZB	UiMUX	125	1750	110-NET UNID (1101, 1102, 1702, 1703, 1706, 1709) UZBEK FORCES
MRASZ	7116,0	VT	VD	01	FSK8 (ALE)	Ui	UiMUX	125	1750	101-NET UNID (102, 103, 104, 105, 107, 109, 113, 115)

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	DETAILS
MRASZ	7140,0	VT	VD	01	FSK8 (ALE)	Ui	UiMUX	125	1750	110-NET UNID (1101, 1102, 1702, 1703, 1706, 1709) UZBEK FORCES
MRASZ	7140,0	VT	VD	01	FSK8 (ALE)	Ui	UiMUX	125	1750	101-NET UNID (102, 103, 104, 105, 107, 109, 113, 115)
MRASZ	7165,0	VT	VD	01	FSK8 (ALE)	Ui	UiMUX	125	1750	415-130, 450-805 UNID
MRASZ	7197,0	VT	VD	01	FSK8 (ALE)	TUR	UiMUX	125	1750	Red Crescent TURKEY 4 FIGURES NET.
MRASZ	7197,0	VT	VD	01	FSK8 (ALE)	Ui	UiMUX	125	1750	123456 SOUNDED.
MRASZ	14001,0	VT	VD	01	FSK8 (ALE)	Ui	UiMUX	125	1750	482-272

OEVSV – Austria – OE3DMA (Alex)

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

SOC	KHz	UTC	DD	MM	ITU	IDENT	MODE	DETAILS
REP	3500	0615	11	01		SPA	J3E U	Fishers ref. LaCoruna
REP	3512	0710	19	01		SPA	J3E U	Fishers boat to harbour
REP	3515	0815	08	01		SPA	J3E U	Fishers boat to family
REP	3535	0705	18	01		MAR	J3E U	Fishery
REP	3550	0810	28	01		Unid	A3E	BC Music
REP	3550	0710	28	01		FRA	A3E	French OM daily traffic
REP	3560	2100	19	01		KRE	A3E	BC voice of Korea Talks music
REP	3577	1815	12	01		ITA	A1A	IZ3DVW Beacon
REP	7025	1800	22	01		SPA	J3E U	Fishers Spanish talks
REP	7039	2200	20	01		RUS	A1A	Beacon id. F M P
REP	7100	0240	23	01		KRE	A3E	BC Voice of Korea politics talks
REP	7110	0130	17	01		ETH	A3E	BC Radio Ethiopia Folk music- arabic talks
REP	7125	0150	25	01		GUI	A3E	BC Radio Konakry Engl. announcing
REP	7140	1920	07	01		KRE	A3E	BC Voice of Korea Talks interm. music
REP	7140	1950	14	01		IND	A3E	BC Air New Delhi Ann. at hour - music
REP	7175	1935	26	01		ERI	A3E	BC Radio Asmara Talks- interm. music
REP	7180	2005	02	01		CHN	A3E	BC Radio China International
REP	7200	0200	12	01		unid	A3E	BC Arabic language /music
REP	10134	0955	06	01		CZE	A1A	OK0EF Beacon
REP	10137	1015	22	01		ITA	A1A	IK3NWX/b Beacon

SOC	KHz	UTC	DD	MM	ITU	IDENT	MODE	DETAILS
REP	10140	1535	11	01		MAR	J3E U	Fishery
REP	10141	1720	04	01		Unid	J3E U	Malaysia talks ? Fishery ?

RSGB - Great Britain – G4BOH (Chris)

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS
RSGB	7045	1500-2330	DLY	01	RUS	BC?	A3E	BC spur from Novosibirsk. Baldock have informed Russian authorities. Obs. continue.

SRAL – Finland – OH2BLU (Pekka)

Society	kHz	UTC	DD	MM	ITU	IDENT	Mode	BD	SH	REMARKS
SRAL	7008,0	0730-0830	21	1		UiPRT	F1B		250	
SRAL	7014,0	1100-1130	6	1		UiPRT	F1B		250	
SRAL	7018,0	1100-2030	dly	1	RUS	REA4	F1B		1000/500	
SRAL	7019,0	0600-0830	21	1		UiPRT	F1B/N0N			
SRAL	7023,0	0730-0830	21	1		UiPRT	F1B		240	40 Hz dotter
SRAL	7025,0	0610	21	1		UiMUX	J7D			
SRAL	7038,7	h24	dly	1	UKR	D	A1A			Sevastopol
SRAL	7038,8	0700-1500	dly	1	RUS	P	A1A			Kaliningrad
SRAL	7038,9	h24	dly	1	RUS	S	A1A			Severomorsk
SRAL	7039,0	h24	dly	1	RUS	C	A1A			Moscow
SRAL	7054,0	0600-0800	dly	1	RUS	UiPTR	F1B		200	25 Hz dotter
SRAL	7054,0	1800-2030	dly	1	RUS	UiPTR	F1B		200	25 Hz dotter
SRAL	7055,0	0740	3	1	RUS	UiPTR	F1B		200	25 Hz dotter
SRAL	7080,0	1110	21	1		UiPTR	F1B		500	
SRAL	7098,0	0800-1200	*	1		UiPTR	F1B		250	Days 1, 15, 23, 25. Also 200 Hz/ 40 Hz dotter
SRAL	7100,0	1800-2100	dly	1	KRE	Vo Korea	A3E			
SRAL	7110,0	1330-2030	dly	1	ETH	R Eth.	A3E			
SRAL	7111,0	1130-1300	15	1		UiPTR	F1B		250	
SRAL	7118,0	0830-1100	*	1		UiPTR	F1B		228	38 Hz dotter. Days 15, 20, 26, 31
SRAL	7125,0	0700-0800	dly	1	GUI	BC	A3E			
SRAL	7125,0	1530-2130	dly	1	GUI	BC	A3E			
SRAL	7140,0	0630-1250	dly	1	KRE	Vo Korea	A3E			
SRAL	7149,0	1200-1300	21, 25	1		UiPTR	F1B		500	
SRAL	7155,0	0800-1430	19, 21	1		UiMUX	J7D	12x120	12x200	
SRAL	7158,0	1015	20	1		UiPTR	F1B		250	
SRAL	7160,0	0845	20	1		UiMUX	J7D	12x120	12x200	
SRAL	7165,0	1330-1830	dly	1	ETH	R Eth.	A3E			Some times jammed

Society	kHz	UTC	DD	MM	ITU	IDENT	Mode	BD	SH	REMARKS
SRAL	7175,0	0530-0700	dly	1	ERI	VoBME	A3E			Some times jammed
SRAL	7175,0	1330-2000	dly	1	ERI	VoBME	A3E			Some times jammed
SRAL	7176,0	0840	4	1		UiPTR	F1B		250	
SRAL	7180,0	1545-1605	26	1		UiBC	A3E			3 ABBA hits
SRAL	7182,9	0930-1230	28	1		UiCarr	N0N			
SRAL	7183,0	1230	28	1		UiPTR	F1B		200	
SRAL	7188,0	0700-1500	*	1		UiPTR	F1B		228	Days 4, 8, 14, 21, 27, 28, 30. Kaliningrad
SRAL	7193,0	0750-1800	28-31	1		UiPTR	F1B		200	Often N0N on space fq
SRAL	7196,0	0730-1000	*	1		UiPTR	F1B		200	Days 13, 20, 25
SRAL	7198,0	0630-1600	*	1		UiMUX	J7D	12x120	12x200	Days 3, 17, 28, 30
SRAL	7199,0	0630-1230	6, 11	1		UiPTR	F1B		200/ 250	50 Hz dotter
SRAL	7200,0	1300-2130	dly	1	SDN	R Sudan	A3E			
SRAL	7200,0	0400-1200	dly	1	RUS	R Rossii	A3E			
SRAL	14064,0	0910	12	1		UiPTR	F1B		250	
SRAL	14295,1	0700-12300	dly	1	TJK	R Tojikiston	A3E			3f 4765 kHz, Yangiyul TX

USKA – Switzerland – HB9CET (Peter)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
USKA	7000.0	1640	01	01		T28CAB	MFSK8	125	1750	MIL 188-141A, ALE
USKA	7000.0	1655	01	01		T1Z	MFSK8	125	1750	MIL 188-141A, ALE
USKA	7000.0	1734	01	01		SHDTC	MFSK8	125	1750	MIL 188-141A, ALE
USKA	7000.0	1752	01	01		T1Z150	MFSK8	125	1750	MIL 188-141A, ALE
USKA	7000.0	1756	01	01		T1Z130	MFSK8	125	1750	MIL 188-141A, ALE
USKA	7000.0	1905	01	01		SHD	MFSK8	125	1750	MIL 188-141A, ALE
USKA	7000.0	1927	01	01		GUNTOC	MFSK8	125	1750	MIL 188-141A, ALE
USKA	7000.0	1957	01	01		T1Z137	MFSK8	125	1750	MIL 188-141A, ALE
USKA	7000.0	1741	02	01		T28	MFSK8	125	1750	MIL 188-141A, ALE
USKA	7000.0	1843	02	01		GUN	MFSK8	125	1750	MIL 188-141A, ALE
USKA	7000.0	2156	02	01		T3Z	MFSK8	125	1750	MIL 188-141A, ALE
USKA	7000.0	2241	02	01			J3E-U			unid language often
USKA	7000.0	2044	08	01		GUNTAC	MFSK8	125	1750	MIL 188-141A, ALE
USKA	7000.0	1635	09	01		R53	MFSK8	125	1750	MIL 188-141A, ALE
USKA	7000.0	1747	09	01		T3Z158	MFSK8	125	1750	MIL 188-141A, ALE
USKA	7000.0	0440	11	01		R54	MFSK8	125	1750	MIL 188-141A, ALE
USKA	7000.0	1542	26	01			N0N			long-lasting carrier
USKA	7000.0	1612	26	01			J3E-U			english, short overs, no id's
USKA	7000.0	0532	28	01		MED	MFSK8	125	1750	MIL 188-141A, ALE
USKA	7001.5	1445	12	01			F1B	50	200	unid (also 1449, 1458UTC)
USKA	7001.5	0819	21	01			PSK-8	8x62.5	1750	Clover 2000 often
USKA	7001.5	1532	25	01			QPSK	75Bd/2400bps	2400	similar MIL188-110 ? parallel/serial Hybrid Modem
USKA	7010.0	1356	21	01			J3E-U			unid language
USKA	7010.0	1416	21	01		CS002	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7010.0	1427	21	01		RS0011	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7010.0	1456	21	01		RS004A	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7011.8	0833	21	01			PSK-8	2400bps	2400	MIL188-110A Frame format 75bps - long
USKA	7011.8	0837	21	01			PSK-8	2400bps	2400	MIL188-110A Frame format 300bps - short
USKA	7018.0	1539	01	01	RUS	REA4	F1B	50	1000	ID in F1A

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
USKA	7020.0	1405	07	01		CS0	MFSK8	125	1750	MIL 188-141A, ALE
USKA	7020.0	0849	20	01		RS0013A	MFSK8	125	1750	MIL 188-141A, ALE
USKA	7038.7	1540	01	01	UKR	D	A1A			Beacon D Sevastopol daily
USKA	7038.8	1541	01	01	UKR	P	A1A			Beacon P Kaliningrad daily
USKA	7038.9	1542	01	01	RUS	S	A1A			Beacon S Murmansk daily
USKA	7039.0	1543	01	01	RUS	C	A1A			Beacon C Moscow daily
USKA	7039.3	2136	08	01	RUS	K	A1A			Beacon K Petropavlovsk daily
USKA	7042.5	1545	01	01			?	?	~ 2600	curious signal daily
USKA	7047.0	1505	19	01			J7D	12x120	2600	PSK2: CIS 12 = AT3004D often
USKA	7054.0	2103	01	01			F1B	50	200	unid daily
USKA	7055.0	2327	06	01			P0N	~ 3pps		OTHR - up to ~7085 often
USKA	7066.0	1625	21	01			F1B	40.5	200	CIS-81
USKA	7089.5	1446	06	01			PSK-8	2400bps	2600	Link11 SLEW often
USKA	7089.9	1353	02	01			F1C	60rpm		Wefax 60rpm IOC 576 daily
USKA	7092.0	1613	29	01		291	MFSK8	125	1750	MIL 188-141A, ALE
USKA	7098.0	1054	15	01			F1B	75	250	unid
USKA	7105.0	2257	02	01			A3E			BC
USKA	7110.0	1546	01	01	ETH		A3E			BC: Radio Ethiopia daily
USKA	7111.0	1109	15	01			F1B	50	250	unid
USKA	7118.0	1105	15	01			F1B	75	250	unid often
USKA	7120.0	0919	20	01			J7D	12x120	2600	PSK2: CIS 12 = AT3004D
USKA	7125.0	2059	01	01	GUI		A3E			BC: Radio RTV Conakry daily
USKA	7140.0	1354	02	01		110	MFSK8	125	1750	MIL 188-141A, ALE
USKA	7151.7	1455	16	01			MFSK?		1764	4 tones, 588Hz spacing
USKA	7155.0	1401	19	01			J7D	12x120	2600	PSK2: CIS 12 = AT3004D often
USKA	7160.0	0831	20	01			J7D	12x120	2600	PSK2: CIS 12 = AT3004D
USKA	7165.0	1601	01	01			A3E			BC daily
USKA	7175.0	1604	01	01			A3E			BC daily
USKA	7175.0	1604	01	01			Noise		9000	Jammer almost daily
USKA	7178.5	0907	20	01			A1A			unid (no ham)
USKA	7180.0	2117	02	01	KRE		A3E			BC: Voice of Korea daily
USKA	7187.8	0922	21	01			A1A			only v and k, permanent
USKA	7188.0	0920	21	01			F1B	75	250	unid often
USKA	7188.0	1436	27	01			F1B	68.5	250	unid
USKA	7198.0	2141	15	01			J7D	12x120	2600	PSK2: CIS 12 = AT3004D often
USKA	7200.0	1419	03	01			A3E			BC
USKA	14000.94	0940	20	01			N0N			long-lasting carrier
USKA	14026.0	0841	20	01			J7D	12x120	2600	PSK2: CIS 12 = AT3004D often
USKA	14064.0	0934	12	01			F1B	75	250	unid
USKA	14242.0	0929	28	01			J7D	12x120	2600	PSK2: CIS 12 = AT3004D

Veron 1 – Netherlands – PA0GRU (Dick)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
VERON	3500,0	16.05	28	1	F	UiLL	J3E-U		Testing un-deux-trois, un-deux-trois,
VERON	3508,0	16.00	18	1			J3E-U		Russian voices
VERON	3525,0	18.27	29	1	CIS	8X9B	A1A		Calls/Q-codes/5BL (to: SOJ6)
VERON	3539,6	15.57	18	1			F1B	500	Revs; bad filter
VERON	3540,0	15.47	15	1			PSK-8	2k6	Stanag-like
VERON	3554,0	16.02	28	1	TUR	UiMux	PSK-8	2k6	Stanag4285
VERON	3560,0	15.44	15	1	KRE	VOK	A3E		s5
VERON	3560,0	15.54	18	1	KRE	VOK	A3E		s4
VERON	3568,0	15.53	18	1					Frequency hopper
VERON	3588,0	15.42	15	1		UiMux	PSK-4		
VERON	3601,0	15.51	18	1		UiMux	PSK-4	2k2	
VERON	3699,5	16.03	19	1	RUS	P	A1A		Beacon Kaliningrad
VERON	3699,5	21.43	30	1	RUS	P	A1A		Beacon Kaliningrad
VERON	3732,0	15.30	15	1		UiMux	PSK-4	2k2	
VERON	3732,0	15.47	18	1		UiMux	PSK-4	2k2	
VERON	3735,0	15.56	28	1		UiMux	PSK-8	2k6	Stanag-like
VERON	3780,0	15.52	28	1		UiPtr	F1B	250	Printer
VERON	7016,0	15.38	18	1					Frequency hopper

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
VERON	7017,5	vt	vd	1	RUS	UiPtr	F1B	1k	Revs; bad filter; hrd 6 days
VERON	7017,7	14.30	26	1		UiMux	PSK-2		
VERON	7018,0	vt	vd	1	RUS	UiPTR	F1B		Revs
VERON	7018,0	H+40	vd	1	RUS	REA4	F1A		5F (followed by: Revs)
VERON	7038,7	vt	vd	1	UKR	D	A1A		Beacon Sevastopol; hrd 8 days
VERON	7038,7	vt	vd	1	UKR	D	A1A		D-beacon
VERON	7038,8	vt	vd	1	RUS	S	A1A		Beacon Murmansk; hrd 10 days
VERON	7038,8	15.44	28	1	RUS	P	A1A		Beacon Kaliningrad
VERON	7038,8	10.41	31	1	RUS	P	A1A		Beacon Kaliningrad
VERON	7038,9	vt	vd	1	RUS	C	A1A		Beacon Moscow; hrd 10 days
VERON	7038,9	vt	vd	1	RUS	S	A1A		S-beacon
VERON	7039,0	vt	vd	1	RUS	C	A1A		C-beacon
VERON	7049,0	15.39	27	1		UiMux	PSK-8		
VERON	7054,0	15.33	18	1					Frequency hopper
VERON	7054,0	18.20	28	1	CIS	UiPTR	F1B		Revs/Ptr
VERON	7089,0	15.44	20	1		UiMux	PSK-8	2k4	Stanag-like
VERON	7089,0	14.45	24	1		UiCW	A1A		3, 4, 5 mixed figure/letter groups
VERON	7101,0	15.31	18	1					Frequency hopper
VERON	7105,0	22.25	30	1	CHN/ TWN	UiBC	A3E		Chinese speech & tunes; s7
VERON	7110,0	vt	vd	1	ETH	R.Ethiopi a	A3E		hrd 7 days; s7-9; splatter 8k up & down
VERON	7118,0	08.54	28	1		UiPTR	F1B		Revs
VERON	7120,0	15.40	20	1			JAM		Heavy noise; s9+10
VERON	7140,0	15.38	20	1					Frequency hopper
VERON	7165,0	vt	vd	1	ETH	R.Ethiopi a	A3E		hrd 8 days; s8-9
VERON	7175,0	vt	vd	1	ERI	VBME	A3E		hrd 8 days; s6-9+
VERON	7188,0	08.54	27	1		UiPTR	F1B		Fast Revs
VERON	7190,0	15.46	25	1		OTHR	PON		40 pps
VERON	7195,0	15.33	20	1					Frequency hopper
VERON	7198,0	15.34	28	1		UiMux	PSK-16	3k6	
VERON	7200,0	vt	vd	1	SDN	R.Omdur man	A3E		Arabic music;s8-9, hrd 4 days
VERON	10112,0	vt	vd	1	TUR	UiMux	PSK-8	2k6	Stanag4285; hrd 10 days
VERON	10117,0	15.17	18	1					Frequency hopper
VERON	10123,0	08.50	28	1		UiPTR	F1B		Ptr
VERON	10130,0	13.09	19	1	RUS	UiPtr	F1B	500	Revs; bad filter
VERON	10130,0	09.03	7	1		UiPTR	F1B		Ptr
VERON	10135,0	14.25	21	1					Frequency hopper
VERON	10145,0	13.16	19	1		UiMux	PSK-8	3k2	
VERON	10148,0	08.53	28	1		UiPTR	F1B		Revs
VERON	10149,0	13.18	19	1		UiMux	PSK-8		
VERON	10149,0	15.32	20	1		UiMux	PSK-4		
VERON	10149,1	15.22	14	1		UiMux	PSK-4		
VERON	14000,0	12.52	19	1					Frequency hopper
VERON	14109,0	15.17	13	1					Frequency hopper
VERON	14113,4	14.15	28	1		UiMux	PSK-2		
VERON	14296,0	14.21	21	1					Frequency hopper
VERON	21001,0	14.50	18	1					Frequency hopper
VERON	21004,0	14.05	21	1					Frequency hopper
VERON	21030,0	14.51	18	1					Frequency hopper
VERON	21082,5	14.53	18	1					Frequency hopper
VERON	21145,0	13.50	24	1		OTHR	PON		33 pps
VERON	21256,3	14.56	18	1					Frequency hopper
VERON	21264,0	13.33	15	1					frequency hopper
VERON	21430,0	14.10	21	1		OTHR	PON		25 pps
VERON	24905,0	14.02	21	1					Frequency hopper
VERON	28093,7	14.40	18	1			PSK-4		
VERON	28141,1	14.41	18	1			PSK-4		
VERON	28188,5	14.42	18	1					Frequency hopper
VERON	28488,8	14.46	18	1					Frequency hopper

Veron 2 – Netherlands – PA0GRU (Dick)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SHIFT	DETAILS
VERON	3548,0	19.30	12	1		UiPtr	F1B	200	Revs, Ptr
VERON	3600,0	20.21	11	1		UiMUX	J7D		12 MPSK
VERON	3735,0	19.25	12	1		UiPtr	F1B	500	Revs, Ptr
VERON	7015,0	09.56	5	1	RUS	RIT	A1A		10.10 utc, RLO de RIT 2x qtc 949 34 5F
VERON	7015,0	10.11	5	1	RUS	RIT	A1A		RLO de RIT AR (qrt) S-9
VERON	7018,0	11.50	vd	1	RUS	REA4	F1B	1000	15.12 utc, 11 days, Revs, Russian Air F.
VERON	7018,0	12.54	20	1	RUS	REA4	F1A	1000	XXX REA4 50166 NAVDAONIK
VERON	7020,0	19.13	12	1		UiMUX	FSK	2700	noise
VERON	7036,0	19.12	5	1		UiPtr	F1B	250	Revs, Ptr, also 19/1 19.18 utc
VERON	7036,3	06.55	vd	1		UiMUX	J7D		17.38 utc, 9 days, MPSK
VERON	7038,7	06.57	vd	1	UKR	D	A1A		16.44 utc, 9 days, beacon Sevastopol
VERON	7038,8	07.19	vd	1	RUS	P	A1A		16.44 utc, 5 days, beacon Kaliningrad
VERON	7038,9	06.57	vd	1	RUS	S	A1A		16.44 utc, 9 days, beacon Murmansk
VERON	7039,0	06.57	vd	1	RUS	C	A1A		16.45 utc, 8 days, becona Moscow
VERON	7039,0	06.57	8	1	RUS	O	A1A		O-beacon
VERON	7039,2	07.49	vd	1	RUS	F	A1A		20.44 utc, beacon Vladivostok, 4 days
VERON	7039,3	07.19	vd	1	RUS	K	A1A		16.32 utc, 4 days, beacon
VERON	7054,0	06.40	vd	1	RUS	UiPtr	F1B	250	20.48 utc, Revs, 12 days, Revs, MIL
VERON	7054,0	vt	vd	1	RUS	UiPtr	F1B	200	Revs, Ptr
VERON	7098,0	11.35	15	1		UiPtr	F1B	250	Ptr
VERON	7110,0	vt	vd	1	ETH	R.Ethiop	A3E		speech
VERON	7118,0	11.34	15	1		UiPtr	F1B	250	Revs,2 days
VERON	7122,4	07.02	vd	1	UKR	UiCW	A1A		proc, Navy Odessa, 6 days, (QSD)
VERON	7122,4	07.02	14	1	UKR	UiCW	A1A		proc, Navy Odessa (QSD)
VERON	7122,4	13.07	14	1	UKR	DEXN	A1A		proc,
VERON	7122,4	13.03	16	1	UKR	GEOM	A1A		to NRJU: proc
VERON	7122,4	13.08	16	1	UKR	UiCW	A1A		16.06 utc, proc, (QSD)
VERON	7122,4	07.04	19	1	UKR	UiCW	A1A		proc, VVV (QSD) also 3/1
VERON	7122,4	13.05	20	1	UKR	OINZ	A1A		proc
VERON	7122,4	16.12	21	1	UKR	JKNH	A1A		to P1XR: proc
VERON	7122,4	13.00	27	1	UKR	V2F8	A1A		figure groups
VERON	7122,4	13.04	27	1	UKR	JTSF	A1A		to HVJP, L2CP, proc
VERON	7122,4	07.03	29	1	UKR	XL4O	A1A		proc,(QSD)
VERON	7122,4	07.06	29	1	UKR	ZZ4O	A1A		proc
VERON	7122,4	10.01	29	1	UKR	ZZ4O	A1A		proc
VERON	7122,4	10.10	29	1	UKR	ZZ4O	A1A		XXX 1WV1 3417 lowInb 7653etc 5BL
VERON	7122,4	13.02	29	1	UKR	8Q4G	A1A		to NUF6, ZT9A, proc
VERON	7122,4	16.05	29	1	UKR	XLST	A1A		to 2VKK,(QSD) proc
VERON	7122,4	16.19	29	1	UKR	8Q4G	A1A		to ZT9A,proc, VVV (QSD)
VERON	7122,4	19.04	29	1	UKR	8Q4G	A1A		proc
VERON	7122,4	19.06	29	1	UKR	NEZG	A1A		proc
VERON	7122,4	07.07	2	1	UKR	ZZWO	A1A		to 4TV: proc
VERON	7122,4	07.08	2	1	UKR	MBYY	A1A		to YNB5, PL8Z: proc
VERON	7122,4	07.11	4	1	UKR	F8B7	A1A		to Y5MB, proc VVV
VERON	7122,4	07.03	5	1	UKR	1AIT	A1A		proc, v v v
VERON	7122,4	16.05	9	1	UKR	QEJY	A1A		to AHAU:proc
VERON	7122,4	16.21	9	1	UKR	?VQN	A1A		to WERP: proc, 5BL
VERON	7122,4	14.10	11	1	UKR	ADGU	A1A		5F
VERON	7122,4	07.01	13	1	UKR	WPYG	A1A		proc
VERON	7123,0	06.59	14	1		UiPtr	F1B	1000	Revs, Ptr
VERON	7149,0	13.06	25	1		UiPtr	F1B	500	Ptr

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SHIFT	DETAILS
VERON	7155,0	14.10	10	1	RUS	UiMUX	J7D		12 MPSK
VERON	7165,0	14.16	10	1		OHTR	PON		radar, 14.16 utc qrt
VERON	7175,0	19.10	7	1		UiBC	A3E		music and speech
VERON	7175,0	19.18	21	1	ERI	VOBM	A3E		speech and music S7-8
VERON	7188,0	08.52	vd	1	RUS	UiPtr	F1B	250	10.00 utc, Revs, 5 days, Navy Kaliningrad
VERON	7200,0	19.19	21	1		UiBC	A3E		German language
VERON	10107,0	11.17	21	1		UiCW	A1A		dots
VERON	14026,0	vt	vd	1	RUS	UiMUX	J7D		daily, many horus, MPSK AT3004-D
VERON	14026,0	11.22	26	1	RUS	UiMUX	J7D		12 MPSK AT 3004-D many hours
VERON	14122,0	10.32	8	1		UiMUX	J7D		12 channels MPSK, 3 KHz wide
VERON	14328,0	08.59	11	1		OHTR	PON		every 30 seconds a burst

IARUMS Region 1

Many thanks for your interest!

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