



# Monitoring System

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

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

The monthly newsletter for Region 1

February 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 ++ OEVSU: OE3DMA – Alex ++ PZK: SP3SUZ – Wladyslaw ++ RAL: OD5RI – Riri ++  
++ REP: CT4AN – Jose and CT1JTQ – Angelo ++ RSGB: G4BOH - Chris ++ SARL: ZS4SM - Malcolm ++  
++ SRAL: OH2BLU - Pekka ++ URE: nn ++ USKA: HB9CET - Peter ++ VERON: PA0GRU - Dick ++ 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. Illegal BC on 7100 - 7200

Many illegal BCs left our band, but others were still remaining. More Details:  
Scroll down and observe the latest overview from the desk of DJ9KR, Uli.

### 2. F1B harmonics

I found harmonic radiations from Russian MIL F1B-systems on 14 and 21 MHz. The Russian MIL transmitters seem to be very old or cheap or both. More details: Read the table of DK2OM (digital intruders).

### 3. CIS taxi cabs on 10 m (Russia, Belarus, Ukraine and Baltic Region)

Few band openings showed, that the 10 m – band is still crowded with CIS taxi cabs. Nothing has changed there. On Feb. 27<sup>th</sup> I heard taxi voice traffic on 25 QRGs on 10 m, women operating the base station and husbands the taxi wireless. Most of them were audible with S9 + 10 dBs. We were not amused.

### 4. 40<sup>th</sup> Anniversary of DARC Monitoring System

In 2010 [DEUTSCHER AMATEUR RADIO CLUB \(DARC\) MONITORING SYSTEM](#) celebrates its 40th anniversary. The system was founded in 1970 by Rudi Klein DL2DZ. CQDL magazine, the official pamphlet of DARC, opens with Uli Bihlmayer DJ9KR on the front page. Uli is one of the founding member of DARC-MS and has been its national coordinator for over 25 years.

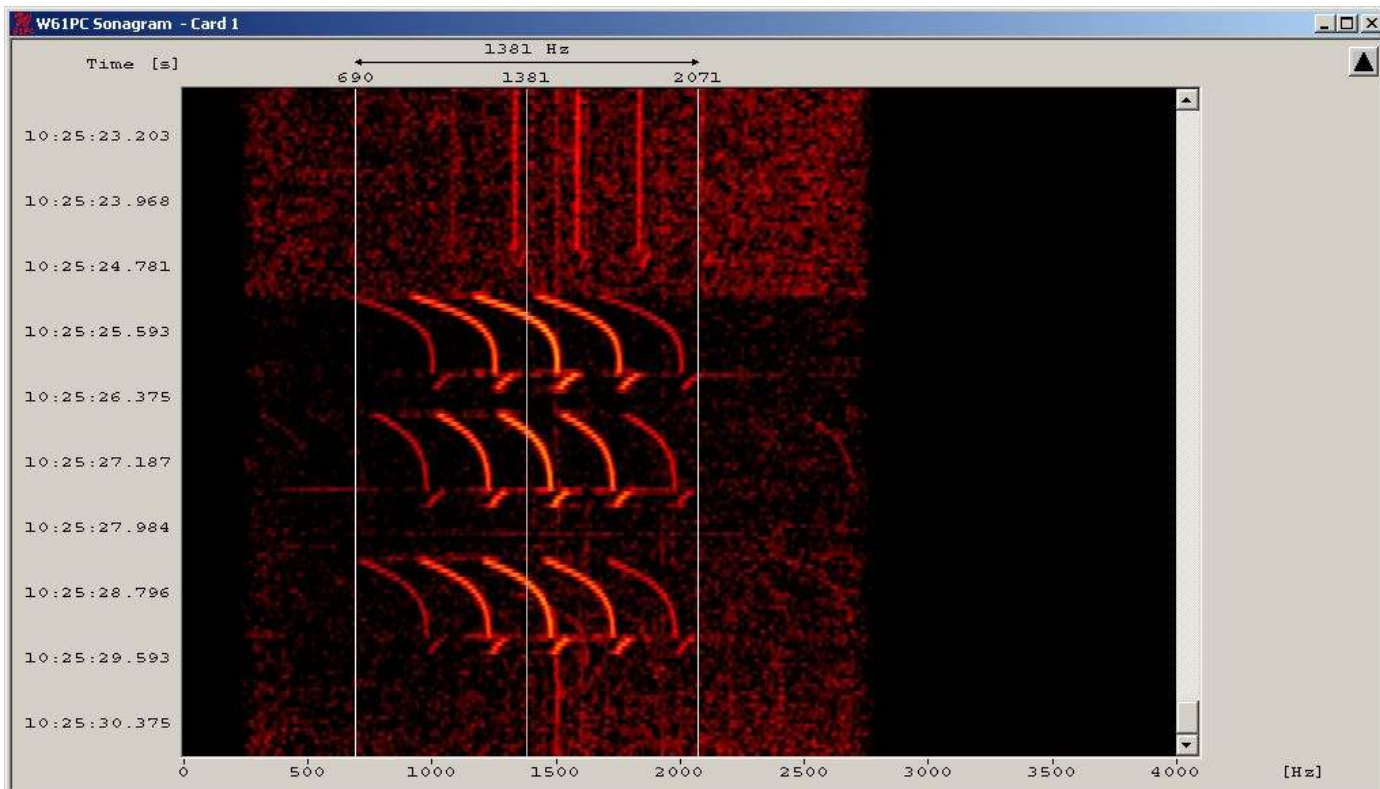
### 5. Indonesian Pirates on 21 MHz

Indonesian pirates are still very active on our bands. We found them daily on 21030.2 kHz in USB from 0900 – 1200 UTC and later. Location: Area of Sumatra and Java. Another group was active on 21388.9 kHz in LSB. Talking to them is wasted time. **Use these frequencies for ham traffic!**

### 6. Mysterious signals on 21312.4 kHz

I found mysterious signals on 21312.4 kHz (center), QTE about 50 – 60 ° from DL. Every morning and always the same structure. Perhaps beacons or telecommands? **Screenshot below.**

**Mysterious Signals on 21312.4 kHz from Far East - in February daily audible between 0900 and 1300 UTC – looking similar to beacons – purpose and source: unknown  
screenshot: DK2OM with Wavcom W61**



- 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 February, 2010

Although propagation is picking up the 40 meter band was not very congested. The broadcast stations in the segment 7100 to 7200 KHz were still active and show no sign of following the ITU frequency schedules.

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	6999.0	1000	1	2	EA	UiPHONE	J3Ej	KiSwahili, English, phonetics. Military? Intrudes into 40 m band.
ARSK	7002.0	0816	22	2	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7003.0	0817	7	2	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7004.0	0730	18	2	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7006.0	vt	*	2	ZAI	UiPHONE	J3Eu	Vernacular, some English. *4,11,
ARSK	7012.0	vt	dly	2	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7015.0	0815	*	2	SOM	UiPHONE	J3E	Somalis.
ARSK	7017.0	vt	*	2	SOM	UiPHONE	J3Eu	Somalis. *22,
ARSK	7030.0	vt	*	2	SOM	UiPHONE	J3Eu	Somalis.*17,
ARSK	7031.0	vt	*	2	SOM	UiPHONE	J3Eu	Somalis. *4,6,7,11,22,
ARSK	7040.0	vt	*	2	SOM	UiPHONE	J3Eu	Somalis. *4,6,7,11,18,
ARSK	7042.0	1135	11	2	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7045.0	vt	dly	2	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.
ARSK	7046.0	1136	11	2	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7057.0	1138	11	2	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7066.0	vt	*	2	SOM	UiPHONE	J3Eu	Somalis.*17,18,
ARSK	7068.0	0817	22	2	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7075.0	1130	11	2	ZAI	UiPHONE	J3E	KiSwahili, vernacular, some French.
ARSK	7080.0	0810	22	2	ZAI	UiPHONE	J3E	Vernacular.
ARSK	7085.0	1139	11	2	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7092.0	vt	*	2	SOM	UiPHONE	J3Eu	Somalis. *18,22,
ARSK	7093.0	0820	22	2	ZAI	UiPHONE	J3Eu	Vernacular, French. SelCal.
ARSK	7094.0	0617	18	2	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7110.0	vt	dly	2	ETH	Addis Ababa	A3E	Broadcast, Addis Ababa, Ethiopia
ARSK	7165.0	vt	dly	2	ETH	Addis Ababa	A3E	Broadcast. Arabic, Amharic.
ARSK	7175.0	vt	dly	2	ERI	VOBM?	A3E	Broadcast.
ARSK	7195.0	vt	dly	2	UGA	Kampala	A3E	Broadcast, Radio Uganda
ARSK	7200.0	vt	dly	2	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	3500,0	1727	05	02	TUR	UiILL	J3E-U	Turkish male persons
DARC	3500,0	2100	09	02	RUS	UiILL	J3E-U	male persons in Russian voice
DARC	3500,0	2115	09	02		UiBC	J3E	unid BC, spurious, no carrier, only sidebands
DARC	3500,0	vt	vd	02	E	UiILL	J3E-U	Spanish fishery heard 05 13 15 19 28 at 1724 - 2100
DARC	3500,5	2300	02	02	RUS	UiILL	J3E-U	male voice in Russian language
DARC	3500,5	1710	05	02	TUR	UiILL	J3E-U	Turkish male persons
DARC	3508,0	1807	28	02	CIS	UiILL	J3E-U	net in Russian voice
DARC	3510,0	1922	07	02	MRC	UiILL	J3E-U	Moroccan fishery
DARC	3515,0	1341	25	02	F.Ea	UiILL	J3E-U	French fishery
DARC	3520,0	1934	10	02	E	UiBC	J3E-U	Spanish fishery
DARC	3530,0	1622	20	02	HOL	UiILL	J3E-U	Dutch fishery
DARC	3535,0	1505	04	02	HOL	UiILL	J3E-U	Dutch fishery
DARC	3535,0	2000	23	02	G	UiILL	J3E-U	UK fishery
DARC	3536,0	2135	03	02	HOL	UiILL	J3E-U	Dutch fishery
DARC	3541,0	1620	03	02	N.Eu	UiILL	J3E-U	Scandinavians
DARC	3541,0	1800	15	02	G	UiILL	J3E-U	UK fishery
DARC	3545,5	1430	28	02	F	UiILL	J3E-U	French fishery
DARC	3548,0	2255	05	02	E	UiILL	J3E-U	Spanish fishery
DARC	3550,0	0630	29	02	F	French Lis Hams	A3E	French Lis Amateurs using AM (A3E)
DARC	3550,0	vt	31	02	F	French Lis Hams	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	02	F	French Lis Hams	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	02	E	UiILL	J3E-U	Spanish fishery
DARC	3556,8	2039	06	02	E	UiILL	J3E-L	Spanish pirates, male and female persons, using SSB-LSB
DARC	3560,0	1819	06	02	KRE	V.o.Ko rea	A3E	daily, heard 06 14 19 at 1819 - 2135
DARC	3560,0	2103	14	02	KRE	V.o.Ko rea	A3E	weak signal
DARC	3560,0	2135	19	02	KRE	V.o.Ko rea	A3E	S4-signal
DARC	3560,1	1800	05	02	KRE	V.o.Ko rea	A3E	Voice of Korea (North), daily
DARC	3569,0	2015	08	02	G	UiILL	J3E-U	UK fishery
DARC	3570,0	1804	10	02	HOL	UiILL	J3E-U	Dutch fishery
DARC	3575,0	0848	31	02	F	UiILL	A3E	French male net
DARC	3580,0	1048	16	02	HOL	UiILL	J3E-U	Dutch fishery
DARC	3600,0	2025	21	02	I	Italian Lis Hams	J3E-U	Italian lis amateurs in SSB-USB
DARC	3600,0	vt	dly	02	F	French Lis Hams	A3E	French Lis Amateurs using AM (A3E)
DARC	7000,0	1053	02	02	M.Ea	UiILL	J3E-U	Middle East or Far East pirates
DARC	7000,0	2300	03	02	E	UiILL	J3E-U	persons in Spanish voice
DARC	7000,0	1942	04	02	TUR	UiILL	J3E-U	male voices in Turkish
DARC	7000,0	1940	06	02	MRC	UiILL	J3E-U	Moroccan fishery
DARC	7000,0	0730	07	02	TUR	UiILL	J3E-U	male person in Turkish voice
DARC	7000,0	2310	10	02	E	UiBC	J3E-U	pirates in Spanish voice, "amigo"
DARC	7000,0	1552	13	02		UiILL	J3E-L	pirate net, male with female, using SSB-LSB
DARC	7000,0	2036	14	02	E	UiILL	J3E-U	pirates in Spanish voice
DARC	7000,0	1937	18	02	I	UiILL	J3E-L	Italian persons in SSB-LSB
DARC	7000,0	1745	27	02	F.Ea		J3E-L	Far East pirates, SSB-LSB used

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS AND COMMENTS
<b>DARC</b>	7000,0	1413	28	02		UiILL	J3E-U	voice traffic in Arabic, mentioning "Mansur", male persons, change-over with CODAN beep
<b>DARC</b>	7000,0	1507	29	02	I	UiILL	J3E-U	Italian pirates
<b>DARC</b>	7000,0	1507	29	02	I	UiILL	J3E-U	Italian pirates
<b>DARC</b>	7000,0	1400	dly	02	F.Ea	UiILL	J3E	Far East pirates, daily, using SSB-USB and also SSB-LSB, as they want
<b>DARC</b>	7000,0	vt	vd	02	I	Italian Lis Hams	J3E-L	possible Italian lis amateurs. They are using ham radio calls, traffic in LSB which means "out-of-band" operation - strange!
<b>DARC</b>	7000,2	2306	07	02	F	UiILL	J3E-U	pirates in French voice, USB
<b>DARC</b>	7000,3	0945	01	02		UiILL	J3E-U	unid pirate net
<b>DARC</b>	7001,0	vt	vd	02	MRC	UiILL	J3E-U	heard 01 17 at 2300, 2140
<b>DARC</b>	7001,2	1011	10	02	I	Franco	J3E-L	Italian male voice caling "Paolo di Franco"
<b>DARC</b>	7010,0	2019	19	02		Lima-1	J3E-U	pirates in unid voice
<b>DARC</b>	7018,0	vt	dly	02	RUS	UiPTR	F1B	fast reversals
<b>DARC</b>	7022,0	1600	23	02	MRC	UiILL	J3E-L	Moroccan pirates
<b>DARC</b>	7024,4	1932	01	02	F.Ea	UiILL	J3E-U	Far East pirates, daily
<b>DARC</b>	7029,0	0805	29	02	CIS	UiILL	J3E-U	Russian male and female persons
<b>DARC</b>	7038,7	vt	vd	02	UKR	D	A1A	Sevastopol
<b>DARC</b>	7039,0	vt	vd	02	RUS	C	A1A	Moscow
<b>DARC</b>	7039,0	vt	vd	02	I	IZ3DV W/ BEACO N	A1A	unwanted and not coordinated beacon
<b>DARC</b>	7100,0	1940	06	02	KRE	V.o.Ko rea	A3E	Korean music
<b>DARC</b>	7100,0	vt	06	02		UiBC	A3E	compl. distorted Spanish px, also on 7100, 7212, 7280, fundamental seems to be 7280, heard 2110 - 2140
<b>DARC</b>	7100,0	1945	15	02	KRE	V.o.Ko rea	A3E	BC
<b>DARC</b>	7100,0	vt	vd	02	CHN	Nei Mengg u PBS	A3E	is active
<b>DARC</b>	7105,0	1940	06	02	TUN	RTV Tunisia	A3E	IM, S6, Ar px, involved 7225 and 7345
<b>DARC</b>	7105,0	2106	15	02	TUN	RTV Tunisia	A3E	is active
<b>DARC</b>	7110,0	2055	01	02	E	UiILL	J3E-U	2 male persons in Spanish voice
<b>DARC</b>	7110,0	1940	06	02	ETH	R. Ethiopia	A3E	mx, S6
<b>DARC</b>	7110,0	0719	13	02	ETH	R. Ethiopia	A3E	weak signal
<b>DARC</b>	7110,0	1945	15	02	ETH	R. Ethiopia	A3E	S9
<b>DARC</b>	7110,0	0736	16	02	ETH	R. Ethiopia	A3E	weak signal
<b>DARC</b>	7110,0	1640	17	02	ETH	R. Ethiopia	A3E	
<b>DARC</b>	7110,0	1736	19	02	ETH	R. Ethiopia	A3E	S9-signal
<b>DARC</b>	7110,0	vt	19	02	ETH	R. Ethiopia	A3E	heard 1640 - 1748
<b>DARC</b>	7110,0	1436	28	02	ETH	R. Ethiopia	A3E	HOA music
<b>DARC</b>	7110,0	vt	28	02	ETH	R. Ethiopia	A3E	heard 1640 - 1748
<b>DARC</b>	7110,0	1540	29	02	ETH	R. Ethiopia	A3E	
<b>DARC</b>	7110,0	vt	vd	02	ETH	R. Ethiopia	A3E	heard 18 - 29 at 1743 - 1942
<b>DARC</b>	7110,0	vt	vd	02	ETH	R. Ethiopia	A3E	heard 08 - 30 at 0342, 1346 - 1709 - HOA music
<b>DARC</b>	7110,0	vt	vd	02	ETH	R. Ethiopia	A3E	heard 15 18 19 25 at 1755 - 1800 - report DL1ZG
<b>DARC</b>	7115,0	vt	vd	02	CHN	Nei Mengg u PBS	A3E	is active

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS AND COMMENTS
DARC	7118,0	2005	02	02	E	UiILL	J3E-U	Spanish male person
DARC	7120,0	vt	vd	02	TCD	Radio Tchad	A3E	is active
DARC	7122,0	0854	04	02		UiPTR	F1B	fast reversals
DARC	7125,0	2110	05	02	GUI	R. Conakry	A3E	"Conrakry" often heard
DARC	7125,0	1940	06	02	GUI	R. Conakry	A3E	mx, African harp, S8
DARC	7125,0	0719	13	02	GUI	R. Conakry	A3E	French px S9+10dB
DARC	7125,0	2137	13	02	GUI	R. Conakry	A3E	weak signal
DARC	7125,0	0750	15	02	GUI	R. Conakry	A3E	S8
DARC	7125,0	1945	15	02	GUI	R. Conakry	A3E	African harp, "Conakry" often mentioned, French px, S9
DARC	7125,0	0736	16	02	GUI	R. Conakry	A3E	French px S9+10dB
DARC	7125,0	1640	17	02	GUI	R. Conakry	A3E	French px
DARC	7125,0	0707	18	02	GUI	R. Conakry	A3E	S9+10dB-signal
DARC	7125,0	1736	19	02	GUI	R. Conakry	A3E	S4-signal
DARC	7125,0	1747	19	02	GUI	R. Conakry	A3E	
DARC	7125,0	2125	19	02	GUI	R. Conakry	A3E	unid language
DARC	7125,0	2138	19	02	GUI	R. Conakry	A3E	music
DARC	7125,0	1632	21	02	GUI	R. Conakry	A3E	vy weak modulation, carrier S9
DARC	7125,0	vt	vd	02	GUI	R. Conakry	A3E	heard all month at 0700, 1632 - 2145
DARC	7130,0	1736	19	02		UiBC	A3E	very weak BC
DARC	7130,0	vt	19	02		UiBC	A3E	Qur'an recitals 1615 - 1700/, then to 7160, later to 7190 - report Jari Savolainen, Finland
DARC	7135,0	2153	14	02		UiBC	A3E	S3
DARC	7135,0	2138	19	02		UiBC	A3E	S4 signal
DARC	7140,0	0719	13	02	KRE	V.o.Korea	A3E	weak signal
DARC	7140,0	vt	15	02	KRE	V.o.Korea	A3E	heard 0815 - 0848
DARC	7140,0	0736	16	02	KRE	V.o.Korea	A3E	weak signal
DARC	7140,0	1106	29	02	KRE	V.o.Korea	A3E	Chinese or Koran voice, weak signal
DARC	7140,0	vt	vd	02	RUS	G. Rossiye	A3E	location Yakutsk, is active
DARC	7145,0	vt	vd	02	LAO	Laos National Radio	A3E	is active
DARC	7155,0	1913	19	02	ETH	ETH Govt. Jammer	JAM	White Noise jammer
DARC	7160,0	vt	vd	02	ZMB	Christian Vision	A3E	is active 0400 - 0600
DARC	7165,0	0719	13	02	ETH	R. Ethiopia	A3E	weak signal
DARC	7165,0	1640	17	02	ETH	R. Ethiopia	A3E	English px 1600 - 1700
DARC	7165,0	vt	17	02	ETH	R. Ethiopia	A3E	French px 1700 - 1800, jingle with African harp
DARC	7165,0	1747	19	02	ETH	R. Ethiopia	A3E	French px
DARC	7165,0	vt	19	02	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	02	ETH	R. Ethiopia	A3E	English news S9+20dB
DARC	7165,0	1707	25	02	ERI	V.o.Bro	A3E	2nd px audible at the same time, S9+15dB

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS AND COMMENTS
						ad Masses		
DARC	7165,0	1707	25	02	ETH	R. Ethiopia	A3E	2nd px audible at the same time, S9+15dB
DARC	7165,0	1747	28	02	ETH	R. Ethiopia	A3E	French px
DARC	7165,0	vt	28	02	ETH	R. Ethiopia	A3E	En px "External Service" - s/on at 1600 - still heard at 1634
DARC	7165,0	1734	31	02	ETH	R. Ethiopia	A3E	French px about "Radio Fana", song "Paloma Blanca"
DARC	7165,0	vt	dly	02	ETH	ETH Govt. Jammer	JAM	White Noise jammer heard daily at 1345, 1630
DARC	7165,0	vt	vd	02	ETH	R. Ethiopia	A3E	1600 - 1700: English px
DARC	7165,0	vt	vd	02	ETH	R. Ethiopia	A3E	1700 - 1800: French px
DARC	7165,0	vt	vd	02	ETH	R. Ethiopia	A3E	heard 20 21 26 at 1726 - 1747
DARC	7165,0	vt	vd	02	ETH	R. Ethiopia	A3E	heard 15 18 19 24 at 1758 - 1804 - report DL1ZG
DARC	7165,2	0736	16	02	ETH	R. Ethiopia	A3E	weak signal
DARC	7165,5	1732	14	02	ETH	R. Ethiopia	A3E	French px
DARC	7165,5	vt	14	02	ETH	R. Ethiopia	A3E	jingle, ann. with big echo from echo chamber, heard 1502 - 1543
DARC	7165,5	1731	19	02	ETH	R. Ethiopia	A3E	French px
DARC	7175,0	1940	06	02	ERI	V.o.Bro ad Masses	A3E	mx S9+10dB
DARC	7175,0	1556	09	02	ERI	V.o.Bro ad Masses	A3E	HOA music, S9+10dB
DARC	7175,0	0719	13	02	ERI	V.o.Bro ad Masses	A3E	weak signal
DARC	7175,0	vt	14	02	ERI	V.o.Bro ad Masses	A3E	heard 1501 - 1735 in Arabic, "Eritrey" often mentioned
DARC	7175,0	1945	15	02	ERI	V.o.Bro ad Masses	A3E	Arabic px, S9
DARC	7175,0	1344	17	02	ERI	V.o.Bro ad Masses	A3E	covered by jammer
DARC	7175,0	1640	17	02	ERI	V.o.Br oad Masses	A3E	slightly audible under jammer 1640 - 1701
DARC	7175,0	vt	17	02	ETH	ETH Govt. Jammer	JAM	White Noise jammer heard 1640 - 1701
DARC	7175,0	0707	18	02	ERI	V.o.Bro ad Masses	A3E	very weak signal, just barely readable
DARC	7175,0	1635	19	02	ETH	ETH Govt. Jammer	JAM	White Noise jammer 10 kHz spread
DARC	7175,0	1731	19	02	ETH	ETH Govt. Jammer	JAM	White Noise jammer 10 kHz spread
DARC	7175,0	1742	19	02	ERI	V.o.Bro ad Masses	A3E	Arabic px, clear QRG now
DARC	7175,0	vt	19	02	ERI	V.o.Bro ad Masses	A3E	VoBM under the ETH Jammer, heard 1634 - 1747
DARC	7175,0	1512	21	02	ERI	V.o.Bro ad Masses	A3E	African music and voice, S9+15dB
DARC	7175,0	1628	21	02	ERI	V.o.Bro	A3E	covered by jammer

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS AND COMMENTS
						ad Masses		
DARC	7175,0	1704	25	02	ETH	ETH Govt. Jammer	JAM	White Noise jammer
DARC	7175,0	1436	28	02	ERI	V.o.Bro ad Masses	A3E	HOA music
DARC	7175,0	1634	28	02	ETH	ETH Govt. Jammer	JAM	White Noise jammer
DARC	7175,0	1634	28	02	ERI	V.o.Bro ad Masses	A3E	just barely audible under jammer
DARC	7175,0	vt	vd	02	ERI	V.o.Bro ad Masses	A3E	heard 19 - 29 at 1731 - 1948
DARC	7175,0	vt	vd	02	ERI	V.o.Bro ad Masses	A3E	heard 18 19 24 25 at 1800 - 1825 - report DL1ZG
DARC	7179,0	2204	03	02	RUS	G. Rossiye	A3E	2 px heard in Russian - is possibly Intermodulation IM
DARC	7179,0	2110	04	02	RUS	G. Rossiye	A3E	Ru px
DARC	7179,0	2110	05	02	RUS	G. Rossiye	A3E	Russian px, possibly IM
DARC	7179,0	2145	05	02	RUS	G. Rossiye	A3E	Ru px
DARC	7179,0	2137	13	02	RUS	G. Rossiye	A3E	S4
DARC	7179,0	2125	19	02	RUS	G. Rossiye	A3E	Russian px
DARC	7179,0	vt	30	02	RUS	G. Rossiye	A3E	Ru px, 2 px audible, heard 2125 - 2205
DARC	7180,0	2204	03	02	KRE	V.o.Kor ea	A3E	Chinese px heard all month 2100 - 2200 - 10 reports all month
DARC	7180,0	2110	05	02	KRE	V.o.Kor ea	A3E	Chinese px
DARC	7180,0	vt	12	02	KRE	V.o.Kor ea	A3E	Chinese px heard 2315 - 2350
DARC	7180,0	2124	13	02	KRE	V.o.Kor ea	A3E	Chinese px, weak
DARC	7180,0	2106	15	02	KRE	V.o.Kor ea	A3E	Chinese px
DARC	7180,0	2125	19	02	KRE	V.o.Kor ea	A3E	Chinese px
DARC	7180,0	2138	19	02	KRE	V.o.Kor ea	A3E	Chinese px
DARC	7185,8	vt	vd	02	BRM	R. Myanm ar	A3E	0030 - 0230, 0730 - 0930, 1120 - 1530 --- report UADX-149
DARC	7188,0	1800	18	02	RUS	UiPTR	F1B	RUS Navy Kaliningrad
DARC	7190,0	vt	19	02		BC	A3E	Qur'an recitals 1800 - 1855 - from 7160 - report Jari Savolainen, Finland
DARC	7190,0	vt	vd	02	UZB	Radio Uzbeki- stan	A3E	is active
DARC	7190,0	vt	vd	02	YEM	Radio Sana'a	A3E	is active
DARC	7190,0	vt	vd	02	I	Italian Lis Hams	A3E	AM used!
DARC	7191,0	vt	vd	02	I	Italian Lis Hams	A3E	AM used!
DARC	7195,0	1520	13	02		UiBC	A3E	Afro-Pop music, French voice - report Hans Pammer, Austria
DARC	7195,0	1539	13	02		UiBC	N0N	carrier, then sign off - report Hans Pammer, Austria
DARC	7195,0	1703	13	02		UiBC	A3E	news in English - report Jari Savolainen
DARC	7195,0	1712	13	02		UiBC	A3E	sign off - report Jari Savolainen



CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS AND COMMENTS
DARC	7195,0	0715	28	02		UiBC	A3E	weak, S2
DARC	7195,0	vt	vd	02	ERI	V.o.Broad Masses	A3E	is active
DARC	7195,0	vt	vd	02	UGA	Radio Uganda	A3E	is active
DARC	7195,0	vt	vd	02	I	Italian Lis Amateurs	A3E	in AM often heard
DARC	7200,0	2110	05	02	IRN	IRIB	A3E	Spanish px S9+30dB
DARC	7200,0	2110	06	02	SDN	Radio Omdurman	A3E	Ar px, weak modulation
DARC	7200,0	1555	08	02	SDN	Radio Omdurman	A3E	unreadable, carrier S9+10dB
DARC	7200,0	0813	10	02	RUS	G. Rossiye	A3E	Russian voice S9+10dB
DARC	7200,0	0719	13	02		UiBC	A3E	weak signal
DARC	7200,0	0719	13	02	ROU	Radio Romania	A3E	splatters
DARC	7200,0	0340	14	02	SDN	Radio Omdurman	A3E	Arabic px and music S9+10dB
DARC	7200,0	1501	14	02	SDN	Radio Omdurman	A3E	Ar px
DARC	7200,0	1736	14	02	SDN	Radio Omdurman	A3E	s/on Arabic px
DARC	7200,0	0750	15	02	SDN	Radio Omdurman	A3E	weak signal
DARC	7200,0	1945	15	02		UiBC	A3E	weak signal
DARC	7200,0	vt	15	02	RUS	G. Rossiye	A3E	Ru px heard 0750 - 0806
DARC	7200,0	0736	16	02	RUS	G. Rossiye	A3E	Russian px
DARC	7200,0	0707	18	02	RUS	G. Rossiye	A3E	Russian px
DARC	7200,0	0822	18	02	RUS	G. Rossiye	A3E	is Golos Rossiye (= Voice of Russia)
DARC	7200,0	1731	19	02	SDN	Radio Omdurman	A3E	African language
DARC	7200,0	1743	19	02	SDN	Radio Omdurman	A3E	Arabic language
DARC	7200,0	vt	19	02	RUS	G. Rossiye	A3E	Russian px heard 0800 - 0930, S9+20dB - report DJ5AX
DARC	7200,0	1436	28	02	SDN	Radio Omdurman	A3E	Arabic px
DARC	7200,0	vt	dly	02	RUS	G. Rossiye	A3E	Russian px heard 0001, 0237, 0240. 0702, 0832, 1340, 1936, 2005, 2323
DARC	7200,0	0811	vd	02	RUS	G. Rossiye	A3E	Ru px
DARC	7200,0	vt	vd	02	SDN	Radio Omdurman	A3E	1730 - 2030
DARC	7200,0	vt	vd	02	IRN	IRIB	A3E	station Ahwaz 1630 - 1730
DARC	7200,0	vt	vd	02	IRN	IRIB	A3E	station Kamalabad 1830 - 1930
DARC	7200,0	vt	vd	02	BGD	Radio Bangladesh	A3E	1300 - 1600, every day 25.10.09 - 28.03.10
DARC	7200,0	vt	vd	02	RUS	Radio Rossiye	A3E	2000 - 1600, every day 25.10.09 - 28.03.10
DARC	7200,0	vt	vd	02	IRN	IRIB	A3E	2030 - 2130, every day 25.10.09 - 28.03.10, Spanish px

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS AND COMMENTS
<b>HFCC</b>	7200,0	vt	vd	02	SDN	Radio Omdurman	A3E	Arabic px heard 07 22 at 1800 - 1900
<b>DARC</b>	7200,0	vt	vd	02	SDN	Radio Omdurman	A3E	heard 19 - 26 at 1734 - 1952
<b>DARC</b>	7200,0	vt	vd	02	SOM	R. Omdurman	A3E	heard 15 18 19 24 25 at 1800 - 1815 - report DL1ZG
<b>DARC</b>	7200,0	vt	vt	02	RUS	G. Rossiye	A3E	Ru px, heard 15 16 at 0715, 0813
<b>DARC</b>	7210,0	0707	18	02	ROU	R. Romani a Intl.	A3E	harmful splatters into ham band, Ge px
<b>DARC</b>	7210,0	vt	dly	02	TUR	Voice of Turkey	A3E	harmful splatters into ham band, Ge px - heard 1856 - 1919
<b>DARC</b>	10101,0	0816	02	02	MRC	UiILL	J3E-U	Moroccan fishery
<b>DARC</b>	10101,0	1046	04	02	MRC	UiILL	J3E-U	Moroccan fishery
<b>DARC</b>	10101,0	2004	10	02	E	UiBC	J3E-U	Spanish fishery
<b>DARC</b>	10101,0	1528	24	02	TUR	UiILL	J3E-U	Turkish pirates
<b>DARC</b>	10101,3	1822	26	02	MRC	UiILL	J3E-U	Moroccan fishery
<b>DARC</b>	10120,0	1922	11	02	MRC	UiILL	J3E-U	Moroccan fishery
<b>DARC</b>	10121,0	1709	10	02	Af	UiBC	J3E-U	fishery
<b>DARC</b>	10121,4	1038	26	02		UiILL	J3E-U	pirates in English voice - from 10130,6
<b>DARC</b>	10125,0	1039	10	02	E	UiILL	J3E-U	Spanish fishery
<b>DARC</b>	10130,0	2011	07	02	KOR	UiILL	J3E-U	Korean ships, fishery
<b>DARC</b>	10130,0	2015	22	02	E	UiILL	J3E-U	Spanish fishery
<b>DARC</b>	10130,0	1428	29	02	F.Ea	UiILL	J3E-U	Far East pirates
<b>DARC</b>	10130,6	1037	26	02		UiILL	J3E-U	pirates in English voice - to 10121,4
<b>DARC</b>	10132,0	1700	19	02		UiILL	J3E-U	unid male persons
<b>DARC</b>	10132,3	2021	22	02		UiILL	J3E-U	unid pirate net, unid language
<b>DARC</b>	10135,0	1524	04	02	MRC	UiILL	J3E-U	Moroccan fishery
<b>DARC</b>	10135,0	1726	16	02	MRC	UiILL	J3E-U	Moroccan fishery
<b>DARC</b>	10135,0	1730	19	02	N.Af	UiILL	J3E-U	2 male persons spelling figures in Arabic
<b>DARC</b>	10142,5	1735	19	02	Af	UiILL	J3E-U	2 male persons in African dialect
<b>DARC</b>	10145,0	1020	11	02	F.Ea	UiILL	J3E-U	pirates from Far East
<b>DARC</b>	10147,0	1620	01	02	F.Ea	UiILL	J3E-L	Far East pirates, daily
<b>DARC</b>	10147,0	1434	08	02	INS	UiILL	J3E-L	INS pirates, using SSB-LSB, calling "Bora Bora"
<b>DARC</b>	10150,0	0945	01	02	MRC	UiILL	J3E-U	Moroccan fishery
<b>DARC</b>	10150,0	1044	22	02	E	UiILL	J3E-U	Spanish fishery
<b>DARC</b>	10150,0	1732	27	02	MRC	UiILL	J3E-U	Moroccan fishery
<b>DARC</b>	13970,0	vt	15	02	CHN	Hainan Music Jammer	JAM	heard 0836 - 0900 and agn sign on 0905 (after a 5 minutes break) - just info!
<b>DARC</b>	13970,0	1020	28	02	CHN	Hainan Music Jammer	JAM	just info
<b>DARC</b>	13970,0	0948	29	02	CHN	Hainan Music Jammer	JAM	is active, just info!
<b>DARC</b>	14000,0	1224	03	02	F.Ea	UiILL	J3E-U	Tamil fishery
<b>DARC</b>	14000,0	1049	04	02	CLN	UiILL	J3E-U	Tamil fishery
<b>DARC</b>	14000,0	0834	13	02	E	UiBC	J3E-U	Spanish pirates
<b>DARC</b>	14000,0	1533	14	02	ISR	ART	A3E	female synthetic voice - Mossad
<b>DARC</b>	14000,0	1333	22	02	CHN	Radio Kashi (Kashgar)	A3E	heard 1300 - 1330, S8-signal, is IM2 of 1) Fr px 13710 and 2) Chinese px 13855 (is located in Kashgar City, Xinjiang Autonomous Chinese Republic)
<b>DARC</b>	14000,0	1809	29	02	E	UiILL	J3E-U	Spanish female, whistling, "cambio" when changing mikes
<b>DARC</b>	14000,0	1809	29	02	E	UiILL	J3E-U	Spanish woman whistling, "cambio"
<b>DARC</b>	14000,0	1432	31	02		UiILL	J3E-U	male voice calling "Mahmout"
<b>DARC</b>	14001,0	vt	vd	02	MRC	UiILL	J3E-U	Moroccan fishery, heard 10 11 at 1049, 0845
<b>DARC</b>	14001,5	1210	08	02	CLN	UiILL	J3E-U	Tamil fishery
<b>DARC</b>	14002,0	1726	03	02	MRC	UiILL	J3E-U	Moroccan fishery

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS AND COMMENTS
DARC	14005,0	1057	03	02	F.Ea	UiILL	J3E-U	Tamil fishery
DARC	14023,6	1048	11	02	CIS	UiILL	J3E-U	male net in Russian voice
DARC	14089,0	0829	24	02	RUS	UiILL	J3E-U	male to female in Russian voice
DARC	14096,0	1100	03	02	RUS	UiILL	J3E-U	voice traffic in Russian
DARC	14121,0	1112	13	02	CLN	UiILL	J3E-U	Tamil fishery
DARC	14131,1	1835	26	02	MRC	UiILL	J3E-U	Moroccan fishery
DARC	14151,8	1830	26	02	MRC	UiILL	J3E-U	Moroccan fishery
DARC	14195,0	1145	05	02	F.Ea	UiILL	J3E-U	Tamil fishery
DARC	14295,1	0854	04	02	TJK	R. Tajikista n	A3E	is audible
DARC	14295,1	vt	vd	02	TJK	R. Tajikista n	A3E	0840 - 0900, S6, is 3f de 4765 also sometimes audible
DARC	14326,0	0840	15	02		UiILL	J3E-U	2 male persons in Korean or Japanese voice, beam heading to North Atlantic, so poss. fishery
DARC	18100,0	1246	08	02	F.Ea	UiILL	J3E-U	pirates from Far East
DARC	18180,0	1010	22	02	CHN	Hainan Music Jammer	JAM	just info
DARC	21000,0	1102	07	02	F.Ea	UiILL	J3E-U	Tamil fishery
DARC	21000,3	1050	11	02	CLN	UiILL	J3E-U	Tamil fishery
DARC	21000,4	1153	21	02	S.As	UiILL	J3E-U	fishery west of Andaman Islands
DARC	21000,4	vt	vd	02	S.As	UiILL	J3E-U	Tamil fishery, Sinhala language
DARC	21000,9	1208	09	02	F.Ea	UiILL	J3E-U	Tamil pirates
DARC	21001,0	1053	17	02	CLN	UiILL	J3E-L	pirates in Tamil voice
DARC	21002,2	1209	09	02	F.Ea	UiILL	J3E-L	Tamil pirates, using SSB-LSB
DARC	21030,3	vt	vd	02	INS	UiILL	J3E-U	INS pirates heard 23 25 at 1034, 1005
DARC	21121,5	vt	vd	02	E	UiILL	J3E-U	Spanish fishery
DARC	21125,0	1155	09	02	M.Ea	UiILL	J3E-U	pirates from Middle East or Far East
DARC	21388,9	0847	24	02	F.Ea	UiILL	J3E-L	Far East pirate net, LSB
DARC	21447,0	1457	23	02		UiBC	A3E	splatters from station on 21460
DARC	28035,0	0829	27	02	CIS	UiILL	F3E	Taxi Cabs, OPs speaking Russian, FM-Mode - Base Station normally "manned" with female person
DARC	28065,0	0839	27	02	CIS	UiILL	F3E	Taxi Cabs, OPs speaking Russian, FM-Mode - Base Station normally "manned" with female person
DARC	28075,0	0829	27	02	CIS	UiILL	F3E	Taxi Cabs, OPs speaking Russian, FM-Mode - Base Station normally "manned" with female person
DARC	28105,0	0831	27	02	CIS	UiILL	F3E	Taxi Cabs, OPs speaking Russian, FM-Mode - Base Station normally "manned" with female person
DARC	28115,0	1110	20	02	RUS	UiILL	F3E	Taxi Cabs, OPs speaking Russian, FM-Mode - Base Station normally "manned" with female person
DARC	28125,0	0828	27	02	CIS	UiILL	F3E	Taxi Cabs, OPs speaking Russian, FM-Mode - Base Station normally "manned" with female person
DARC	28135,0	0827	27	02	CIS	UiILL	F3E	Taxi Cabs, OPs speaking Russian, FM-Mode - Base Station normally "manned" with female person
DARC	28145,0	0839	27	02	CIS	UiILL	F3E	Taxi Cabs, OPs speaking Russian, FM-Mode - Base Station normally "manned" with female person
DARC	28175,0	0841	27	02	CIS	UiILL	F3E	Taxi Cabs, OPs speaking Russian, FM-Mode - Base Station normally "manned" with female person
DARC	28195,0	0915	27	02	CIS	UiILL	F3E	Taxi Cabs, OPs speaking Russian, FM-Mode - Base Station normally "manned" with female person
DARC	28205,0	0833	27	02	CIS	UiILL	F3E	Taxi Cabs, OPs speaking Russian, FM-Mode - Base Station normally "manned" with female person

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS AND COMMENTS
DARC	28275,0	1040	26	02	CIS	UiILL	F3E	Taxi Cabs, OPs speaking Russian, FM-Mode - Base Station normally "manned" with female person
DARC	28295,0	0911	27	02	CIS	UiILL	F3E	Taxi Cabs, OPs speaking Russian, FM-Mode - Base Station normally "manned" with female person
DARC	28305,0	0840	27	02	CIS	UiILL	F3E	Taxi Cabs, OPs speaking Russian, FM-Mode - Base Station normally "manned" with female person
DARC	28315,0	0827	27	02	CIS	UiILL	F3E	Taxi Cabs, OPs speaking Russian, FM-Mode - Base Station normally "manned" with female person
DARC	28325,0	0843	27	02	CIS	UiILL	F3E	Taxi Cabs, OPs speaking Russian, FM-Mode - Base Station normally "manned" with female person
DARC	28455,0	0831	27	02	CIS	UiILL	F3E	Taxi Cabs, OPs speaking Russian, FM-Mode - Base Station normally "manned" with female person
DARC	28535,0	0845	27	02	CIS	UiILL	F3E	Taxi Cabs, OPs speaking Russian, FM-Mode - Base Station normally "manned" with female person
DARC	28655,0	0848	27	02	CIS	UiILL	F3E	Taxi Cabs, OPs speaking Russian, FM-Mode - Base Station normally "manned" with female person
DARC	28765,0	0845	27	02	CIS	UiILL	F3E	Taxi Cabs, OPs speaking Russian, FM-Mode - Base Station normally "manned" with female person
DARC	28775,0	0911	27	02	CIS	UiILL	F3E	Taxi Cabs, OPs speaking Russian, FM-Mode - Base Station normally "manned" with female person
DARC	28825,0	0828	27	02	CIS	UiILL	F3E	Taxi Cabs, OPs speaking Russian, FM-Mode - Base Station normally "manned" with female person
DARC	28825,0	0846	27	02	CIS	UiILL	F3E	Taxi Cabs, OPs speaking Russian, FM-Mode - Base Station normally "manned" with female person
DARC	28865,0	0848	27	02	CIS	UiILL	F3E	Taxi Cabs, OPs speaking Russian, FM-Mode - Base Station normally "manned" with female person
DARC	28885,0	0828	27	02	CIS	UiILL	F3E	Taxi Cabs, OPs speaking Russian, FM-Mode - Base Station normally "manned" with female person
DARC	29015,0	1046	26	02	CIS	UiILL	F3E	Taxi Cabs, OPs speaking Russian, FM-Mode - Base Station normally "manned" with female person
DARC	29035,0	0832	27	02	CIS	UiILL	F3E	Taxi Cabs, OPs speaking Russian, FM-Mode - Base Station normally "manned" with female person
DARC	29115,0	0837	27	02	CIS	UiILL	F3E	Taxi Cabs, OPs speaking Russian, FM-Mode - Base Station normally "manned" with female person

## DARC – Germany – Part 2 – DJ9KR (UiI)

### Latest Overview!

### BC Stations still transmitting in the 40-m-Band, Range 7100 – 7200 kHz

7100	Voice of Korea (North), KRE
7105	Radio China , Nei Menggu PBS, CHN
7105	Sound of Hope, TWN
7105	RTV Tunisia, <i>IM-Procuct</i> , TUN
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 Voice of Korea (North), KRE  
7140 Voice of Russia, Iakutsk, RUS  
7145 Laos National Radio, LAO  
7145 Radio Hargeisa, SOM  
7150 Radio China, Huhhot, CHN  
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), KRE  
7180 Radio China, Program in English voice, CHN  
7185 *Myanmar Radio, BRM – effective 1 April moved to 7200*  
7185 Sound of Hope, TWN  
7185 China National Radio-1, CHN  
7185 Radio Kuwait, KWT  
7190 SLBC Colombo, Sri Lanka, CLN  
7190 Radio Uzbekistan, Tashkent, UZB  
7190 Radio Yemen, San'a, YEM  
7195 Voice of the Broad Masses, ERI  
7195 Radio Bulgaria, BUL  
7195 Radio Uganda, UGA  
7200 Radio Omdurman, SDN  
7200 VO Islamic Republic Iran, Ahwaz, 1630 – 1727, IRN  
7200 VO Islamic Republic Iran, Kamalabad, 1830 – 1930, IRN  
7200 Voice of Russia, Iakutsk, RUS  
7200 Voice of Russia, Moscow, RUS - (2000 – 1600)  
7200 *Radio Myanmar, BRM, effective 1 April moved from 7185*  
7200 AIR Kolkata, heard 30 April 09, from 7210 - sked: 0230 – 0401v, Sat/Sun 0700 – 1000, Sun: 1030 – report José Jacob, VU2JOS

unid = unidentified

State: February 1<sup>st</sup> 2010

### DARC – Germany – Part 3 – DK2OM (Wolf)

PSE observe:

FSK transmissions -> center frequency between mark and space

PSK transmissions -> center frequency (subtract the modem frequency!)

ALE (MIL188-141A) -> USB frequency – exclusive bands: black – nonexclusive: blue

DARC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
DARC	1812,0	1848	dly	02	POL		A3E			Polish “PIP” – 10 tones – North-Poland – Baltic coast
DARC	1876,8	2036	19	02	G		PSK8	2400	2600	Stanag4285 - 1200 bps long platform east of Scotland
DARC	1896,5	ady	dly	02	D		PSK8	2400	2600	Stanag4285 – German Navy – North-Germany
DARC	3500,0	vt	dly	02	TUR	no ITU	FSK8	125	1750	ALE, “1020” “2010” “2015” - Turkish Red Crescent
DARC	3500,0	2114	13	02						frequency hopper
DARC	3503,5	vt	dly	02	G	no ITU	FSK8	125	1750	ALE – “XSS” “XPU” – British MIL Tascomm
DARC	3506,0	vt	dly	02	ALG	no ITU	FSK8	125	1750	ALE, “FS40” “GS46” “GS50”
DARC	3506,0	2056	24	02						frequency hopper
DARC	3514,0	1824	08	02						frequency hopper
DARC	3524,0	1919	20	02	RUS	RPT	F1B	75	250	RUS MIL - Nizhny Novgorod

DARC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
DARC	3524,0	1958	23	02			PSK2	120	2600	AT3004D -
DARC	3529,0	vt	dly	02		no ITU	FSK8	125	1750	ALE, "hEJ" "0cl" "Fv6"
DARC	3530,2	2110	01	02	F		PSK4	75	2300	Link11 – ship, west of Brest, France
DARC	3531,6	1700	24	02	E		PSK8	2400	2600	Stanag4285 - North Spain
DARC	3532,0	2300	27	02	ALG	no ITU	FSK8	125	1750	ALE, "VR20" "VR21"
DARC	3533,0	vt	dly	02	E	no ITU	FSK	125	1750	ALE, "TYV" "TWL" - Spanish Guardia Civil
DARC	3542,0	1816	15	02						frequency hopper
DARC	3548,0	1933 1935	22 28	02	RUS		F1B	50	200	RUS MIL - Murmansk
DARC	3550,0	vt	dly	02	F	no ITU	FSK8	125	1750	ALE, "DRI" - French MIL
DARC	3553,8	ady	dly	02	TUR		PSK8	2400	2600	Stanag4285 – TUR MIL
DARC	3555,8	2013	18	02	KGZ		F1B	150	150	Kirgisistan
DARC	3558,0	vt	dly	02	TUR	no ITU	FSK8	125	1750	ALE, "1020" Turkish Red Crescent
DARC	3560,0	1800	dly	02	KRE		A3E			Voice of North-Korea – illegal!
DARC	3566,0	vt	dly	02	E	no ITU	FSK8	125	1750	ALE, "TWL" "TXX" Spanish Guardia Civil
DARC	3570,0	1825	15	02	RUS		PSK2	120	2600	east of Moscow
DARC	3574,9	1843	17	02	RUS		OFDM	29.6	2800	OFDM60 - west of Moscow
DARC	3577,1	ady	dly	02	I	IZ3DVW	A1A			uncoordinated beacon
DARC	3580,0	2032	15	02						frequency hopper
DARC	3585,0	1700	dly	02	TWN	HLL	F1C			120 rpm, IOC 576, Wxfax
DARC	3590,0	vt	dly	02	PAK	no ITU	FSK8	125	1750	ALE, "KW" "TARIQ" – "NRS" - Pakistan Navy - destroyer "Tariq"
DARC	3593,8	ady	dly	02	RUS	P	A1A			beacon "P" - Kaliningrad
DARC	3593,9	ady	dly	02	RUS	S	A1A			beacon "S" - Murmansk
DARC	3594,0	vt	dly	02	ALG	no ITU	FSK8	125	1750	ALE, "BT30" "FS30" "WA30"
DARC	3595,0	vt	dly	02	D	no ITU	FSK8	125	1750	ALE – „ZLST“ „ZPRI“ „ZSHO“ „ZBOR“ German customs – North - Germany
DARC	3596,0	vt	dly	02	HRV	9A0ALE	FSK8	125	1750	Croatian ALE-net --- for info!
DARC	3596,0	vt	dly	02	D	DK0ESD	FSK8	125	1750	ALE, "DK0ESD" – interfering the Croatian emergency net
DARC	3602,0	1942	10	02	BLR		F1B	75	250	north of Minsk
DARC	3603,0	2100	12	02	D	DA0EC	PSK8	2000	2000	RFSM 8000 – amateur emergency net - Berlin - legal operation - just for info!!!
DARC	3606,0	vt	dly	02	ALG	no ITU	FSK8	125	1750	ALE, "FS20" "TP20" "XT2"
DARC	3606,5	1652	14	02	BLR		PSK2	120	2600	AT3004D - Minsk
DARC	3622,5	1845	22	02	J	JMH	F1C			Tokyo Meteo - 120 rpm - IOC 576 – weather charts
DARC	3716,3	vt	dly	02	CHN	no ITU	FSK8	125	1750	ALE, "140" "3SH"
DARC	3725,0	2215	28	02	E		FSK8	125	1750	ALE, "TWC" "TWVS1" - Spanish Guardia Civil
DARC	3735,0	1700	dly	02	POL		F1B	43	500	idling, South of Warsaw
DARC	3756,0	ady	dly	02	UKR		A3E			"The Pip" - 10 tones – UKR - MIL
DARC	3782,0	ady	dly	02	POR	CTP	F1B	75	850	POR Navy headquarter Lisbon
DARC	3800,0	2024	22	02	MEa	no ITU	FSK8	125	1750	ALE, "T1Z130" "T28CAB" US MIL
DARC	7000,0	vt	dly	02	IRQ	no ITU	FSK8	125	1750	ALE, "SHDTC" "GUNTC" – US MIL Iraq
DARC	7000,0	vt	dly	02						frequency hopper
DARC	7000,0	vt	dly	02	MEa	no ITU	FSK8	125	1750	ALE, "T1Z130" "T1Z137" "T1Z150" - US MIL
DARC	7000,0	2115	26	02	USA		P0N			uniden Radar – 3 pps, sounds like Codar – 7000 – 7040 kHz – USA east coast
DARC	7002,0	2040	02	02						frequency hopper
DARC	7006,0	1400	22	02	RUS		PSK2	120	2600	AT3004D - Murom
DARC	7008,0	vt	dly	02		no ITU	FSK8	125	1750	ALE, "222" "297" "847" "981"
DARC	7008,0	0115	02	02	RUS		F1B	75	250	RUS MIL - Moscow

DARC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
DARC	7010,0	vt	dly	02	GRC	no ITU	FSK8	125	1750	ALE, "RS004A" - NATO NC3A Network
DARC	7010,0	0838	09	02	RUS		PSK2	120	2600	AT3004D - RUS MIL - Kaliningrad
DARC	7011,0	vt	dly	02						frequency hopper
DARC	7014,0	vt	dly	02	NIG	no ITU	FSK8	125	1750	ALE, "4411" "4412" "4413" Nigerian MOI (police)
DARC	7016,0	0500	dly	02	GEO		OFDM	30	2900	OFDM93 - Tiflis, Georgia
DARC	7018,0	vt	dly	02	RUS	REA4	F1A/B	50	1000	REA4 - Russian Airforce Moscow - ident: 00h + 41min
DARC	7020,0	vt	dly	02	GRC	no ITU	FSK8	125	1750	ALE, "BS008C1" "CS004A" - NATO NC3A Network
DARC	7020,8	vt	dly	02						frequency hopper
DARC	7033,0	0758	18	02	RUS		PSK2	120	2600	AT3004D - RUS MIL - Kaliningrad
DARC	7038,7	ady	dly	02	UKR	D	A1A			Cluster beacon – Sevastopol RUS Navy – "RCV"
DARC	7038,8	ady	dly	02	RUS	P	A1A			Cluster beacon – Kaliningrad RUS Navy – "RMP"
DARC	7038,9	ady	dly	02	RUS	S	A1A			Cluster beacon – Murmansk RUS Navy – „RIT“
DARC	7039,0	ady	dly	02	RUS	C	A1A			Cluster beacon - Moscow RUS Navy - "RIW"
DARC	7039,2	ady	dly	02	RUS	F	A1A			Cluster beacon - Vladivostok RUS Navy – "RJS"
DARC	7039,3	1353	01	02	RUS	K	A1A			Cluster beacon - Petropavlovsk RUS Navy – "RCC"
DARC	7039,9	ady	dly	02	I	IZ3DVW	A1A			IZ3DVW – beacon not coordinated
DARC	7044,4	1500	dly	02	RUS		noise		2700	undefined noise, Novosibirsk
DARC	7049,5	vt	dly	02			FSK8	125	1750	ALE - Amateur-net, just for info!
DARC	7050,0	2015	07	02	CHN		P0N			Chinese OTH Radar - 43.5 pps
DARC	7054,0	1700	dly	02	RUS		F1B	50	200	RUS MIL - Moscow
DARC	7060,0	1946	20	02	CHN		P0N			Chinese OTH Radar, 43.5 pps, 6880 – 7100 kHz
DARC	7070,0	vt	dly	02	CHN	no ITU	FSK8	125	1750	ALE, "288" "514" - PRC-PLA uniden Radar – 3 pps, sounds like Codar – 7050 - 7090
DARC	7070,0	1820	05	02	USA		P0N			frequency hopper
DARC	7073,0	vt	dly	02						frequency hopper
DARC	7088,9	1410	05	02	S		A1A			CW training transmission - just for info
DARC	7089,9	1340	dly	02	UKR		F1C			Wxfax – 60 rpm, IOC576, Sevastopol - RUS Naval Base
DARC	7090,0	1421	06	02	TUR		PSK8	2400	3000	Link11 SLEW - West Turkey (base) with ship (Black Sea)
DARC	7090,0	2240	05	02	MEa		PSK2	120	2600	AT3004D - Russian ship, east of Somalia
DARC	7092,0	vt	dly	02	TUR	no ITU	FSK8	125	1750	ALE, "2010" "2016" - Turkish Red Crescent
DARC	7096,0	0500	05	02	RUS		OFDM	30	2900	OFDM93 - Stavropol
DARC	7098,0	0804	18	02	RUS		F1B	75	250	south of Petropavlovsk
DARC	7102,0	vt	dly	02	I	IK2YXT	FSK8	125	1750	ALE, "IK2YXT" - amateur ALE - just for Info
DARC	7113,0	1713	09	02	RUS		PSK2	120	2600	AT3004D - RUS MIL - Woronez
DARC	7116,0	vt	dly	02	CHN	no ITU	FSK8	125	1750	ALE, "1706" "984" "139"
DARC	7116,0	0759	15	02	RUS		F1B	75	200	RUS - MIL Bryansk
DARC	7120,0	1715	09	02	RUS		PSK2	120	2600	AT3004D - RUS MIL - Kaliningrad
DARC	7130,0	0754	05	02	RUS		F1B	100	1000	harmonic, fundamental (3565 ?) not audible, QTH Yaroslavl – same as 14260
DARC	7135,0	vt	dly	02						frequency hopper
DARC	7140,0	vt	dly	02	UZB	no ITU	FSK8	125	1750	ALE, "1104" "1708" "1703"

DARC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
DARC	7141,0	1vt	dly	02		no ITU	FSK8	125	1750	ALE, "7852"
DARC	7142,0	0804	15	02	RUS		F1B	75	250	RUS - MIL Magnitogorsk - Ural
DARC	7164,0	1556	25	02	AZE		F1B	75	200	Azerbaijan
DARC	7165,0	1620	dly	02	ETH	QRM	A3E			white noise from Radio Ethiopia
DARC	7175,0	1620	dly	02	ETH	QRM	A3E			white noise from Radio Ethiopia
DARC	7176,0	1022	10	02	RUS		F1B	75	250	RUS MIL - Moscow
DARC	7185,5	1452	20	02	D		FSK8	125	1750	ALE, "DK0ESD" just for info!
DARC	7188,0	0726	11	02	RUS		F1B	75	250	RUS Navy - Kaliningrad
DARC	7196,0	1024	10	02	RUS		F1B	75	200	RUS MIL - Petropavlovsk
DARC	7198,0	1716	09	02	RUS		PSK2	120	2600	AT3004D - Moscow
DARC	10103,0	1611	20	02	CIS		PSK2	120	2600	AT3004D - weak signal
DARC	10107,0	vt	dly	02	RUS		A1A	50		50 dots/sec - no ident - Novosibirsk
DARC	10107,0	0952	06	02	RUS		F1B	42	250	north of Moscow
DARC	10112,0	ady	dly	02	TUR		PSK8	2400	2600	Stanag4285 - 600 bps long - Turkish MIL
DARC	10113,0	0807	05	02	TUN		FSK8	125	1750	ALE, "TU1" "TUD" - Tunisian MOI
DARC	10113,0	1032	23	02						frequency hopper
DARC	10115,0	0730	dly	02	RUS		FSK4	96	1500	CIS 96 group - Moscow - dly
DARC	10121,0	1027	08	02	RUS		F1B	75	250	RUS MIL - area of Moscow
DARC	10122,0	1044	02	02	BUL		F1B	50	500	50 Bd - async.
DARC	10123,0	1430	08	02	RUS		F1B	75	250	RUS MIL - Kaliningrad
DARC	10128,0	2017	22	02						frequency hopper
DARC	10130,0	vt	dly	02	RUS		F1B	50	500	RUS MIL - Kaliningrad
DARC	10130,0	2022	22	02						frequency hopper
DARC	10130,0	2017	22	02			FSK8	125	1750	Thales Skymaster - uniden
DARC	10132,0	vt	dly	02						frequency hopper
DARC	10137,0	1650	24	02	CHN		PSK4	8 x 75	2200	PRC4+4, idling and traffic
DARC	10140,0	1830	25	02						frequency hopper
DARC	10145,0	1836 1813	14 22	02 02	CYP		P0N			OTH Radar Cyprus, 50 pps
DARC	10145,5	vt	dly	02		CT1REP	FSK8	125	1750	ALE, Radio Amateurs, just for info!
DARC	10148,0	1350	12	02	RUS		F1B	76	250	RUS MIL - Moscow
DARC	10150,0	1432	08	02	CYP		P0N			splatter from OTH Cyprus on 10160 - 50 pps
DARC	14000,0	1615	18	02	ISR		N0N			carrier - Israel
DARC	14001,0	vt	dly	02	CHN	no ITU	FSK8	125	1750	ALE, "272" China
DARC	14004,0	1140	22	02	RUS		F1B	100	250	Nizhny Novgorod
DARC	14005,0	1320	02	02	CYP		P0N			OTH Radar Cyprus - 50 pps
DARC	14019,0	0934	18	02						frequency hopper
DARC	14025,0	vt	dly	02						frequency hopper
DARC	14026,0	vt	vd	02	RUS		PSK2	120	2600	AT3004D - Velikije Luki
DARC	14036,0	1030	08	02	RUS	REA4	F1B	50	2000	harmonic from 7018 - REA4
DARC	14048,0	0855	09	02	RUS		PSK2	120	2600	AT3004D - RUS MIL - Kaliningrad
DARC	14050,0	0800	08	02	RUS		F1B	100	250	RUS MIL
DARC	14064,0	0819	16	02	RUS			75	250	RUS MIL - north east of Moscow
DARC	14086,0	0937	25	02	RUS		PSK2	120	2600	AT3004D - east of Moscow
DARC	14090,9	0932	24	02	RUS		OFDM	35.6	2800	OFDM 60 - west of Smolensk
DARC	14118,0	0821	16	02	BUL		PSK2	120	2600	AT3004D - Bulgaria
DARC	14160,0	0803	08	02	RUS		F1B	100	250	RUS MIL
DARC	14180,0	1400	03	02	UKR		F1C			Wxfax - 60 rpm, IOC576, harmonic from 7089.9 - Sevastopol - RUS Naval Base
DARC	14195,0	vt	dly	02						frequency hopper
DARC	14196,0	1510	15	02	RUS		F1B	75	500	RUS Navy - Kaliningrad
DARC	14234,3	0729	11	02	BLR		F1B	50	500	north east of Minsk
DARC	14240,0	0825	16	02	RUS		F1B	100	250	RUS MIL - Kaliningrad
DARC	14242,0	0822	22	02	RUS		PSK2	120	2600	AT3004D - RUS MIL - Moscow



DARC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
DARC	14260,0	1012	03	02	RUS		F1B	100	1000	harmonic, fundamental (3565 ?) not audible, QTH Yaroslavl
DARC	14260,9	0808	08	02	RUS		OFDM	30	2800	OFDM 60 – north of Moscow
DARC	14295,1	ady	dly	02	TJK		A3E			Radio Tajik – 3 <sup>rd</sup> from 4765
DARC	14301,9	0925	04	02	RUS		OFDM	35.5	2800	OFDM 60 - RUS MIL - Moscow
DARC	14323,0	1030	28	02						frequency hopper
DARC	14330,0	0800	05	02	RUS		P0N			RUS OTH radar “ABM” - 50 pps
DARC	14346,0	vt	dly	02						frequency hopper
DARC	14346,0	1130	22	02	RUS		PSK2	120	2600	AT3004D - Baikal-Sea
DARC	14346,0	1135	24	02	D	DK0ESD	FSK8	125	1750	ALE, “DK0ESD” - just for info
DARC	18100,0	1140	05	02						frequency hopper
DARC	21000,0	1442	08	02						frequency hopper
DARC	21000,0	0823	12	02	CYP		P0N			OTH Radar Cyprus, 50 pps
DARC	21000,0	1130	15	02	RUS		F1B	100	750	east of Moscow
DARC	21000,0	0904	24	02	RUS		F1B	76.6	1000	2 <sup>nd</sup> from 10500 (500 Hz shift) – area of Samara
DARC	21008,0	1448	08	02						frequency hopper
DARC	21015,0	0841	18	02						frequency hopper
DARC	21030,0	1200	28	02	CYP		P0N			OTH Radar Cyprus, 50 pps
DARC	21032,0	1035	23	02						frequency hopper
DARC	21070,0	0931	06	02						frequency hopper
DARC	21112,0	1155	16	02						frequency hopper
DARC	21145,8	ady	dly	02	I	IZ3DVW	A1A			uncoordinated beacon
DARC	21205,0	0934	04	02						frequency hopper
DARC	21256,0	1458	24	02						frequency hopper
DARC	21310,0	0920	20	02	CYP		P0N			OTH Radar Cyprus, 50 pps
DARC	21312,0	0922	20	02						frequency hopper
DARC	21312.4	1000	20	02	FEa	no ident	MFSK			3 and 6 raising tones, beacons? telecommand?
DARC	21338,0	0948	25	02	RUS		F1B	53.8	500	2 <sup>nd</sup> from 10668 (250 Hz shift) Arkhangelsk
DARC	21386,0	0845	24	02						frequency hopper
DARC	21390,0	0830	dly	02			F1B	50	3000	6 <sup>th</sup> from 3565 kHz
DARC	21399,0	1401	13	02						frequency hopper
DARC	21400,0	1350	13	02	RUS		F1B	47	2000	4 <sup>th</sup> from 5350 kHz (500 Hz shift)
DARC	21420,0	1205	20	02	CYP		P0N			OTH Radar Cyprus, 50 pps - splatter from 21550
DARC	24920,0	1026	25	02						frequency hopper
DARC	28120,0	1038	26	02						frequency hopper
DARC	28194,0	1020	19	02	RUS		MFSK	40	1400	CROWD 36 - Moscow
DARC	28230,0	1050	19	02	RUS		MFSK	40	1400	CROWD 36 - north of Moscow
DARC	28290,0	1053	26	02						frequency hopper

### IRTS – Ireland – EI4GXB (Ger)

### KARS – Kuwait – 9K2RR (Faisal)

### MRASZ – Hungary - HA7PL (Laci)

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	DETAILS
MRASZ	1875,0	0613	17	02	PSK8	Ui	UiMUX	2K4	3000	WORKS CONTINUOUSLY 4285 MODEM (LEGAL)
MRASZ	1841,0	619	17	02	N0N	Ui	UiCARR	0	0	STEADY CARRIER
MRASZ	7000,0	VT	VD	02	FSK8 (ALE)	USA	UiMUX	125	1750	US ARMY net. (GUNTOC, SHDTC, jUNKER10 ...)
MRASZ	7000,0	VT	VD	02	FSK8	Ui	UiMUX	125	1750	DEFAULT SOUNDING. Seems to be

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	DETAILS
					(ALE)					testing.
MRASZ	7005,0	VT	VD	02	FSK8 (ALE)	Ui	UiMUX	125	1750	123483 - 123456. UNID
MRASZ	7008,0	VT	VD	02	FSK8 (ALE)	Ui	UiMUX	125	1750	2222, 7601 SOUNDED
MRASZ	7010,0	VT	VD	02	FSK8 (ALE)	Ui	UiMUX	125	1750	CS-RS UNID NET
MRASZ	7011,0	VT	VD	02	FSK8 (ALE)	Ui	UiMUX	125	1750	UNID NEW INTRUDER: YW5 CALLED TXZ4 AS LAST MONTH.
MRASZ	7014,0	VT	VD	02	FSK8	NIG	ALE	125	1750	411411 -- 411413 "411" net NIGERIAN POLICE
MRASZ	7020,0	VT	VD	02	FSK8 (ALE)	Ui	UiMUX	125	1750	CS-RS UNID NET
MRASZ	7024,0	VT	VD	02	FSK8 (ALE)	Ui	UiMUX	125	1750	2222 SOUNDED
MRASZ	7026,0	VT	VD	02	FSK8 (ALE)	Ui	UiMUX	125	1750	224-314 UNID
MRASZ	7031,0	VT	VD	02	FSK8 (ALE)	Ui	UiMUX	125	1750	322 SOUNDED
MRASZ	7036,0	VT	VD	02	FSK8 (ALE)	UK	UiMUX	125	1750	UK FOREST MOORE TASCMM HF HQ. XSS CALLSIGN
MRASZ	7045,0	VT	VD	02	FSK8 (ALE)	Ui	UiMUX	125	1750	2002-200 UNID (2001-201), 1006 SOUNDED
MRASZ	7051,0	VT	VD	02	FSK8 (ALE)	Ui	UiMUX	125	1750	110-NET UNID (1105-1101) UZBEK FORCES
MRASZ	7052,0	VT	VD	02	FSK8 (ALE)	UK	UiMUX	125	1750	CROSPR <u>C</u> roughton <u>S</u> ecret Internet Protocol <u>R</u> outer
MRASZ	7054,0	0606	17	02	FSK2	RUS	UiPTR	50	200	FAST REVERSALS REA4
MRASZ	7055,5	VT	VD	02	FSK8 (ALE)	Ui	UiMUX	125	1750	NEW INTRUDER 134, 135, 168, 145, 132. 768-344
MRASZ	7060,0	VT	VD	02	FSK8 (ALE)	UK	UiMUX	125	1750	CROSPR <u>C</u> roughton <u>S</u> ecret Internet Protocol <u>R</u> outer
MRASZ	7060,0	VT	VD	02	FSK8 (ALE)	UK	UiMUX	125	1750	UK FOREST MOORE TASCMM HF HQ. XSS CALLSIGN
MRASZ	7061,0	VT	VD	02	FSK8 (ALE)	Ui	UiMUX	125	1750	3312-NET UNID
MRASZ	7070,0	VT	VD	02	FSK8 (ALE)	GEO	UiMUX	125	1750	244-288 NET POSSIBLE GEORGIAN.
MRASZ	7071,0	VT	VD	02	FSK8 (ALE)	GER	UiMUX	125	1750	101-NET UNID (102, 103, 104, 105, 107, 109, 113, 115)
MRASZ	7080,0	VT	VD	02	FSK8 (ALE)	ALB	UiMUX	125	1750	ALBANIAN MoPO. 5810 SOUNDING
MRASZ	7092,0	VT	VD	02	FSK8 (ALE)	Ui	UiMUX	125	1750	4001, 2001 SUBNETS LOTS OF CALLSIGNS. F001 NET.
MRASZ	7095,0	VT	VD	02	FSK8 (ALE)	UZB	UiMUX	125	1750	110-NET UNID (1101, 1102, 1702, 1703, 1706, 1709) UZBEK FORCES
MRASZ	7096,0	VT	31	02	FSK8 (ALE)	GER	UiMUX	125	1750	BUNDESPOLIZEI SEE. ZLST HQ CALLS ZEMD.
MRASZ	7096,0	VT	VD	02	FSK8 (ALE)	Ui	UiMUX	125	1750	101-NET UNID (102, 103, 104, 105, 107, 109, 113, 115)
MRASZ	7098,0	VT	VD	02	FSK8 (ALE)	Ui	UiMUX	125	1750	664-304
MRASZ	7100,0	VT	VD	02	FSK8 (ALE)	Ui	UiMUX	125	1750	12 SOUNDING UNID.
MRASZ	7102,0	VT	VD	02	FSK8 (ALE)	Ui	UiMUX	125	1750	
MRASZ	7104,0	VT	VD	02	FSK8 (ALE)	Ui	UiMUX	125	1750	104-845 UNID (153, 168, 132, 134, 145, 198, 264)
MRASZ	7107,0	VT	VD	02	FSK8 (ALE)	Ui	UiMUX	125	1750	4378xx-NET (437802, 437805, 437806, 437815, 437817, 437843.
MRASZ	7107,0	VT	VD	02	FSK8 (ALE)	Ui	UiMUX	125	1750	9200 SOUNDING.
MRASZ	7110,0	VT	VD	02	FSK8 (ALE)	GER	UiMUX	125	1750	BUNDESPOLIZEI SEE. ZLST HQ CALLS (zoll leitstelle Cuxhaven) ZHEL,

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	DETAILS
										ZSHO, ZBOR
MRASZ	7111,0	VT	VD	02	FSK8 (ALE)	Ui	UiMUX	125	1750	171-129?
MRASZ	7115,0	VT	VD	02	FSK8 (ALE)	Ui	UiMUX	125	1750	1 AND 3 SOUNDING.
MRASZ	7115,0	VT	VD	02	FSK8 (ALE)	Ui	UiMUX	125	1750	9009 SOUNDING
MRASZ	7116,0	VT	VD	02	FSK8 (ALE)	UZB	UiMUX	125	1750	110-NET UNID (1101, 1102, 1702, 1703, 1706, 1709) UZBEK FORCES
MRASZ	7140,0	VT	VD	02	FSK8 (ALE)	Ui	UiMUX	125	1750	110-NET UNID (1101, 1102, 1702, 1703, 1706, 1709) UZBEK FORCES
MRASZ	7140,0	VT	VD	02	FSK8 (ALE)	Ui	UiMUX	125	1750	101-NET UNID (102, 103, 104, 105, 107, 109, 113, 115)
MRASZ	7149,0	VT	VD	02	FSK8 (ALE)	ALB	UiMUX	125	1750	ALBANIAN MoPO. 5810 SOUNDING
MRASZ	7165,0	VT	VD	02	FSK8 (ALE)	Ui	UiMUX	125	1750	450-1750, 450-805 UNID
MRASZ	7197,0	VT	VD	02	FSK8 (ALE)	TUR	UiMUX	125	1750	Red Crescent TURKEY 4 FIGURES NET.

### OEVSV – Austria – OE3DMA (Alex)

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

### RSGB - Great Britain – G4BOH (Chris)

### SRAL – Finland – OH2BLU (Pekka)

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	REMARKS
SRAL	3649,0	0630-1630	dly	2	RUS	P	A1A			Channelmarker // 7038,8 kHz
SRAL	3699,5	1600-2100	dly	2	RUS	P	A1A			Channelmarker
SRAL	7000,0	1130-1200	8	2		UiPRT	F1B		250	
SRAL	7008,0	1030-1130	1	2		UiPRT	F1B		250	
SRAL	7010,0	0630-1430	9	2	RUS	UiMUX	J7D	12x120	12x200	Kaliningrad
SRAL	7012,0	1300-1530	5,25	2		UiPRT	F1B		250/500	
SRAL	7013,0	0810	11	2		UiMUX	J7D	12x120	12x200	
SRAL	7018,0	1100-2100	dly	2	RUS	REA4	F1B		1000/500	MR 5F at times H+40
SRAL	7019,12	0720-1030	25	2		UiCarr	N0N			Mark of F1B 250 Hz?
SRAL	7031,0	0930-1330	18	2		UiPRT	F1B		250	idling
SRAL	7033,0	0800	18	2		UiMUX	J7D	12x120	12x200	
SRAL	7038,7	h24	dly	2	UKR	D	A1A			Sevastopol
SRAL	7038,8	0600-1830	dly	2	RUS	P	A1A			Kaliningrad
SRAL	7038,9	h24	dly	2	RUS	S	A1A			Severomorsk
SRAL	7039,0	h24	dly	2	RUS	C	A1A			Moscow
SRAL	7054,0	0500-	dly	2	RUS	UiPTR	F1B		200	25 Hz dotter

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	REMARKS
		0800								
SRAL	7054,0	1800-2100	dly	2	RUS	UiPTR	F1B		200	25 Hz dotter
SRAL	7073,0	0810	15	2		UiMUX	J7D	12x120	12x200	
SRAL	7076,0	1640	1	2		UiPTR	F1B		250	
SRAL	7098,0	0630-1530	*	2		UiPTR	F1B		250	Days 3, 14, 15, 18, 20, 25
SRAL	7100,0	1800-2100	dly	2	KRE	Vo Korea	A3E			
SRAL	7110,0	1400-2100	dly	2	ETH	R Eth.	A3E			
SRAL	7112,0	0810	11	2		UiPTR	F1B			
SRAL	7113,0	1000-1430	9,11	2		UiMUX	J7D	12x120	12x200	
SRAL	7116,0	0730-0900	15	2	RUS	UiPTR	F1B		200	Bryansk
SRAL	7118,0	0550	15	2		UiMUX	J7D	12x120	12x200	
SRAL	7120,0	1300-1400	4	2		UiMUX	J7D	12x120	12x200	
SRAL	7125,0	0630-0800	1-12	2	GUI	BC	A3E			
SRAL	7125,0	1500-2100	1-12	2	GUI	BC	A3E			
SRAL	7133,0	1005	18	2		UiPTR	F1B			
SRAL	7140,0	0630-1250	dly	2	KRE	Vo Korea	A3E			
SRAL	7142,0	0530-1100	15, 20	2		UiPTR	F1B		250	
SRAL	7149,0	0730-0815	2	2		UiPTR	F1B		500	
SRAL	7162,0	0850-1010	18	2		UiPTR	F1B		250	
SRAL	7164,0	0815-1745	25	2	AZE	UiPTR	F1B		200	
SRAL	7165,0	1400-1840	dly	2	ETH	R Eth	A3E			Some times jammed
SRAL	7167,0	0800-0930	5, 10	2		UiPTR	F1B		250	
SRAL	7172,0	0730-0815	25	2		UiPTR	F1B		250	
SRAL	7175,0	1330-2005	dly	2	ERI	VoBME	A3E			Some times jammed
SRAL	7176,0	0850-1010	*	2		UiPTR	F1B		250	Days 5, 10, 18, 26
SRAL	7181,65	1030-1230	5	2		UiCarr	N0N			
SRAL	7184,0	0725	22	2		UiMUX	J7D	12x120	12x200	
SRAL	7186,0	0600-1630	12, 13	2		UiMUX	J7D	12x120	12x200	
SRAL	7188,0	0730-1400	*	2		UiPTR	F1B		250	Days 2, 7, 10, 11, 17, 20. Kaliningrad
SRAL	7190,0	1220	2	2		UiMUX	J7D	12x120	12x200	
SRAL	7196,0	0730-0930	1,25	2		UiPTR	F1B		200	
SRAL	7198,0	1100-1400	9	2		UiMUX	J7D	12x120	12x200	
SRAL	7199,0	0730-0800	18	2		UiPTR	F1B		200	50 Hz dotter
SRAL	7200,0	1730-2100	dly	2	SDN	R Sudan	A3E			
SRAL	7200,0	0500-1530	dly	2	RUS	R Rossii	A3E			
SRAL	14050,0	1030	27	2	CYP/G	OTHR	P0N			50 Hz, 20 kHz wide
SRAL	14052,0	0930-1000	9	2		UiMUX	J7D	12x120	12x200	

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	REMARKS
SRAL	14086,0	0700-0810	13	2		UiMUX	J7D	12x120	12x200	
SRAL	14268,0	0800-0930	1,10	2		UiPTR	F1B		250	
SRAL	14295,1	0530-1530	dly	2	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	7000.0	1445	01	02		T1Z150	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7000.0	1512	01	02		T28CAB	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7000.0	1612	01	02		GUNTAC	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7000.0	1616	01	02		T1Z130	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7000.0	1715	01	02		SHDTC	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7000.0	1800	07	02		T3Z158	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7000.0	1615	17	02			J3E-U			unid language
USKA	7001.8	1418	11	02			PSK-8	2400	2600	unid
USKA	7010.0	0732	04	02		RS009	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7010.0	0912	04	02		CS002B	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7010.0	1434	04	02		CS002A	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7010.0	0851	09	02			J7D	12x120	2600	PSK2: CIS 12 = AT3004D
USKA	7010.0	1522	10	02		RS0011	MFSK8	125	1750	MIL 188-141A, ALE
USKA	7011.8	1213	23	02			PSK-8	2400	2400	MIL188-110A
USKA	7017.5	2015	06	02			NON			long-lasting carrier
USKA	7018.0	1329	01	02	RUS	REA4	F1B	50	1000	id in F1A
USKA	7020.0	1639	03	02		RS009D	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7020.0	1656	03	02			J7D	12x120	2600	PSK2: CIS 12 = AT3004D
USKA	7020.0	0951	04	02		CS004A	MFSK8	125	1750	MIL 188-141A, ALE
USKA	7020.0	0951	04	02		RS0017D	MFSK8	125	1750	MIL 188-141A, ALE
USKA	7038.7	1335	01	02	UKR	D	A1A			Beacon D Sevastopol daily
USKA	7038.8	1627	03	02	UKR	P	A1A			Beacon P Kaliningrad daily
USKA	7038.9	1337	01	02	RUS	S	A1A			Beacon S Murmansk daily
USKA	7039.0	1336	01	02	RUS	C	A1A			Beacon C Moscow daily
USKA	7042.5	2104	02	02			?	?		curious signal often
USKA	7054.0	2019	02	02			F1B	50	200	unid
USKA	7055.0	2249	01	02			P0N	~ 3pps		OTHR - up to ~7085 often
USKA	7063.0	2328	087	02			F1B	75	500	unid
USKA	7089.5	1338	01	02			PSK-8	2400bps		Link11 SLEW, over hours often
USKA	7089.9	1345	01	02			F1C	60rpm		Wefax 60rpm IOC 576 daily
USKA	7092.0	1518	01	02		2013	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7092.0	1612	01	02		2014	MFSK8	125	1750	MIL 188-141A, ALE daily Link Quality Analysis
USKA	7092.0	1613	01	02		2010	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7092.0	1904	01	02		4017	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7092.0	2104	01	02		2015	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7092.0	2210	01	02		2012	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7100.0	2017	02	02			A3E			BC
USKA	7105.0	2250	10	02			A3E			BC
USKA	7110.0	2019	02	02	ETH		A3E			BC: Radio Ethiopia daily
USKA	7113.0	1451	09	02			J7D	12x120	2600	PSK2: CIS 12 = AT3004D
USKA	7116.0	0307	15	02			J7D	12x120	2600	CIS 12 = AT3004D , idling
USKA	7120.0	1454	09	02			J7D	12x120	2600	PSK2: CIS 12 = AT3004D
USKA	7125.0	2021	02	02	GUI		A3E			BC: Radio RTV Conakry daily
USKA	7140.0	1429	04	02		1101	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7140.0	1907	04	02		1713	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7140.0	2259	08	02		1105	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7140.0	1859	09	02		1707	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7140.0	1901	09	02		1703	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7140.0	1904	09	02		1712	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7140.0	1658	12	02		1708	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7140.0	1715	12	02		1709	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7155.0	1219	24	02			J7D	12x120	2600	CIS 12 = AT3004D , idling

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
USKA	7165.0	1601	17	02	ETH		A3E			BC: Radio Ethiopia daily
USKA	7167.0	2116	11	02			F1B	50	200	unid
USKA	7175.0	1705	04	02	ERI		A3E			Voice of Broad Masses daily
USKA	7175.0	1706	04	02	ETH				9 kHz	Jammer often
USKA	7176.0	1024	10	02			F1B	75	250	unid
USKA	7176.0	2120	11	02			F1B	50	250	unid
USKA	7180.0	2102	02	02	KRE		A3E			BC: Voice of Korea daily
USKA	7190.0	1456	09	02			J7D	12x120	2600	PSK2: CIS 12 = AT3004D
USKA	7195.9	1047	17	02			A1A			endless V and K only, jammer?
USKA	7196.0	1021	10	02			F1B	75	200	unid often
USKA	7200.0	2107	02	02			A3E			BC daily
USKA	10145.0	0010	24	02			P0N	50pps	20kHz	from 10145 up, 20kHz wide
USKA	14026.0	1341	01	02	RUS		J7D	12x120	2600	PSK2: CIS 12 = AT3004D often
USKA	14052.0	0902	09	02			J7D	12x120	2600	PSK2: CIS 12 = AT3004D
USKA	14090.8	0938	24	02	RUS		OFDM 60	60x35.5	2800	Piloton 3300 Hz, tone spacing between channels abt 44.5 Hz
USKA	14270.0	0858	09	02			J7D	12x120	2600	PSK2: CIS 12 = AT3004D often
USKA	14300.0	1107	08	02			N0N			long-lasting carrier
USKA	21088.0	0934	10	02			F1B	75	1000	unid

### Veron 1 – Netherlands – PA0GRU (Dick)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
VERON	3553.0	19.06	4	2		UiMUX	PSK		Stanag 4285
VERON	3553.0	19.11	8	2		UiMUX	PSK		Stanag 4285 MIL
VERON	3591.0	15.44	9	2		UiPtr	F1B	200	Ptr, also 10/2
VERON	3606.0	19.17	8	2		UiPtr	F1B	250	Revs qrt at 19.18 utc
VERON	3615.0	19.08	4	2		UiMUX	PSK		Stanag 4285
VERON	3700.0	19.02	18	2	RUS	P	A1A		beacon
VERON	3731.0	19.10	4	2		UiMUX	PSK		Stanag 4285
VERON	3732.0	19.05	18	2		UiMUX	PSK		Stanag 4285
VERON	3735.0	19.11	4	2	POL	UiPtr	F1B	500	Idling
VERON	3735.0	19.05	18	2		UiPtr	F1B	500	Revs
VERON	3756.0	19.12	4	2	UKR	Pip	A3E		the Pip MIL
VERON	3799.0	19.07	18	2		UiPtr	F1B	200	Ptr
VERON	7009.0	15.45	9	2		UiMUX	PSK		12 MPSK AT 3004-D
VERON	7018.0	20.05	2	2	RUS	UiPtr	F1B	1000	Revs, also 3/2
VERON	7018.0	vt	vd	2	RUS	UiPtr	F1B	500	Idling
VERON	7018.0	15.47	9	2	RUS	REA4	F1A		REA4 20069 89360 11074 X8267 84600
VERON	7018.0	15.49	9	2	RUS	REA4	F1B	1000	Revs
VERON	7054.0	vt	vd	2	RUS	UiPtr	F1B	200	Revs
VERON	7054.0	19.34	26	2		UiPtr	F1B	200	Revs
VERON	7098.0	10.23	25	2		UiPtr	F1B	250	Ptr
VERON	7110.0	vt	vd	2	ETH	R.Ethiop	A3E		speech and music
VERON	7110.0	18.52	11	2	ETH	R.Ethiop	A3E		music, also 18/2
VERON	7110.0	19.35	26	2		UiBC	A3E		speech
VERON	7113.0	vt	vd	2		UiMUX	PSK		12 MPSK AT 3004-D
VERON	7113.0	09.05	8	2		UiILL	J3-eu		Spanish, male voices
VERON	7118.0	09.21	15	2		UiPtr	F1B	250	Revs
VERON	7119.0	15.51	9	2		UiMUX	PSK		12 MPSK AT 3004-D
VERON	7125	19.05	8	2	GUI	R.Conakry	A3E		speech
VERON	7142.0	09.23	15	2		UiPtr	F1B	200	Ptr
VERON	7164.0	10.35	25	2		UiPtr	F1B	250	16.52 utc, Ptr
VERON	7165.0	19.06	8	2	ERI	VBM	A3E		speech
VERON	7167.0	08.00	10	2		UiPtr	F1B		Ptr,
VERON	7175.0	16.37	3	2		UiJAM			jammer with noise
VERON	7175.0	19.26	16	2		UiBC	A3E		music
VERON	7175.0	19.22	23	2	ERI	VBM	A3E		speech+music, also 26/2
VERON	7188.0	10.30	11	2		UiPtr	F1B	200	Revs
VERON	7195.0	20.19	2	2		UiBC	A3E		speech
VERON	7196.0	19.07	8	2		UiBC	A3E		speech
VERON	7197.0	18.53	11	2		UiBC	A3E		music, also 16/2
VERON	10107.0	11.18	1	2	RUS	UiCW	A1A		dots

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
VERON	14000,0	11.18	2	2		UiCAR	NON		carrier
VERON	14006,0	10.07	19	2	RUS	UiMUX	J7D		12 MPSK AT 3004-D
VERON	14025,0	11.13	1	2	RUS	UiMUX	J7D	2600	12 MPSK AT 3004-D
VERON	14051,0	10.00	9	2	RUS	UiMUX	PSK	2600	12 MPSK AT 3004-D
VERON	14084,0	10.19	25	2		UiPtr	F1B	250	Revs
VERON	14218,0	10.58	17	2		UiPtr	F1B	500	Revs
VERON	14272,0	09.04	17	2		UiPtr	F1B	500	Revs
VERON	14280,0	11.11	3	2	RUS	UiILL	A3E		yl voice robot figures in Russian language
VERON	14294,0	11.01	18	2		UiMUX	PSK		12 MPSK AT 3004-D
VERON	14300,0	10.55	24	2		UiMUX	PSK		Stanag 4285, also 25/2

## Veron 2 – Netherlands – PA0GRU (Dick)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
VERON	3524,0	18.19	23	2		UiMux	PSK12	2k6	
VERON	3553,0	18.15	23	2	TUR		PSK8	2k6	Stanag
VERON	3572,0	19.20	2	2	CIS	VAP6	A1A		5BL (ending 303 k)
VERON	3606,0	19.15	2	2		UiPTR	F1B		Revs
VERON	3699,5	16.17	4	2	RUS	P	A1A		Beacon Kaliningrad
VERON	3699,5	18.08	23	2	RUS	P	A1A		Beacon Kaliningrad
VERON	3729,0	18.17	13	2					Frequency hopper
VERON	3731,0	18.05	23	2		UiMux	PSK8	2k2	
VERON	3735,0	18.04	23	2	POL	UiPtr	F1B	500	Idling
VERON	3774,0	17.58	23	2		UiMux	PSK12	2k4	
VERON	7018,0	vt	vd	2	RUS	UiPtr	F1B	1k	Revs; bad filter; day 4, 5, 23, 24
VERON	7018,0	vt	vd	2	CIS	UiPTR	F1B		Revs
VERON	7018,0	H+40	vd	2	RUS	REA4	F1A		H+40 REA4 = 5F (followed by Revs)
VERON	7038,6	vt	vd	2	UKR	D	A1A		Beacon Sevastopol; day 4, 23, 24
VERON	7038,7	vt	vd	2	RUS	P	A1A		Beacon Kaliningrad; day 4, 5, 23, 24
VERON	7038,7	vt	vd	2	UKR	D	A1A		D-beacon
VERON	7038,8	vt	vd	2	RUS	S	A1A		Beacon Murmansk; day 4, 5, 23, 24
VERON	7038,8	vt	vd	2	RUS	P	A1A		P-beacon
VERON	7038,9	vt	vd	2	RUS	C	A1A		Beacon Moscow; day 4, 5, 23, 24
VERON	7038,9	vt	vd	2	RUS	S	A1A		S-beacon
VERON	7039,0	vt	vd	2	RUS	C	A1A		C-beacon
VERON	7054,0	vt	vd	2		UiPTR	F1B		Revs
VERON	7055,5	14.56	5	2		UiMux	PSK4	1k	
VERON	7088,8	18.01	13	2	UKR	UUUM	A1A		Continuous keying "UUUM"
VERON	7105,0	22.08	6	2	CHN		A3E		Chinese speech; s8
VERON	7105,0	22.54	13	2	CHN		A3E		Female & male speech; s8
VERON	7110,0	16.06	4	2	ETH	R.Ethiopia	A3E		s7-8; also day 24, 27
VERON	7148,0	14.48	5	2			JAM		White noise; 2k5 wide
VERON	7165,0	15.56	4	2	ETH	R.Ethiopia	A3E		E. African music; s8
VERON	7165,0	16.01	4	2	ETH	R.Ethiopia	A3E		English speech; s8
VERON	7165,0	15.11	22	2	ETH	R.Ethiopia	A3E		English speech, male; s9
VERON	7165,0	17.43	23	2	ETH	R.Ethiopia	A3E		French speech; s8
VERON	7165,0	15.46	24	2	ETH	R.Ethiopia	A3E		East African speech; s7
VERON	7175,0	15.59	18	2			JAM		White noise; s9+20; 12k wide
VERON	7175,0	15.08	22	2	ERI	VOBM	A3E		s7-8; also day 23, 24
VERON	7196,0	09.18	1	2		UiPTR	F1B		Ptr
VERON	7200,0	15.05	22	2	SDN	R.Omdurman	A3E		African speech; s9
VERON	7200,0	17.40	23	2	SDN	R.Omdurman	A3E		Arabic music; s9
VERON	10112,0	vt	vd	2	TUR		PSK8	2k6	Stanag; day 4, 5, 16, 22, 23, 24

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
VERON	10121,0	09.20	1	2		UiPTR	F1B		Ptr
VERON	10130,0	vt	vd	2		UiPTR	F1B		Revs/Ptr
VERON	10135,0	15.50	16	2		UiRadar	PON		100pps
VERON	10140,0	15.43	24	2		UiRadar	PON		100pps
VERON	10149,0	15.52	16	2		UiMux	PSK8		
VERON	14040,0	12.51	26	2					Frequency hopper
VERON	14102,0	14.51	22	2					Frequency hopper
VERON	14108,0	15.32	4	2			F1B	850	Burst system
VERON	14110,0	14.36	5	2	CHN	UiMux	PSK8	2k2	2*4 channels
VERON	14110,0	13.49	25	2	CHN	UiMux	PSK8	2k2	2*4 channels
VERON	14110,0	12.57	26	2	CHN	UiMux	PSK8	2k2	2*4 channels
VERON	14113,0	14.53	22	2		UiMux	PSK8		
VERON	14125,0	15.05	28	2					Frequency hopper
VERON	14158,0	14.57	22	2		UiRadar	PON		50pps
VERON	14198,0	09.21	1	2		UiPTR	F1B		Ptr
VERON	14240,0	09.21	1	2		UiPTR	F1B		Ptr
VERON	14268,0	09.22	1	2		UiPTR	F1B		Ptr
VERON	14292,0	11.05	18	2		UiPTR	F1B		Fast Revs/Revs/Ptr
VERON	14295,1	15.45	16	2		UiCar	CAR		Persistant wobbling carrier;s9+10
VERON	18092,0	13.44	25	2		UiRadar	PON		100pps
VERON	18092,0	15.18	26	2		UiRadar	PON		100pps
VERON	21060,0	13.31	25	2		UiRadar	PON		25pps; 90k wide; s9+30
VERON	21062,0	14.56	26	2		UiRadar	PON		50pps
VERON	21113,0	16.35	19	2		UiPTR	F1B		Revs
VERON	21153,0	15.14	19	2					Frequency hopper
VERON	21174,8	12.12	26	2		UiCar	CAR	50	Persistant wobbling carrier; s9+10
VERON	21238,0	14.28	22	2					Frequency hopper
VERON	21304,0	14.50	11	2					Frequency hopper
VERON	21312,0	13.40	25	2		UiRadar	PON		50pps
VERON	21331,0	13.41	25	2					Frequency hopper
VERON	21342,0	13.42	25	2		UiRadar	PON		100pps
VERON	21355,0	15.47	19	2					Frequency hopper
VERON	21381,0	15.14	8	2					Frequency hopper
VERON	21418,0	15.10	20	2		UiRadar	PON		70pps
VERON	24901,0	14.50	8	2					Frequency hopper
VERON	24934,9	14.11	10	2		UiCar	CAR		Persistant wobbling carrier;s5
VERON	24980,0	14.51	8	2					Frequency hopper
VERON	28053,0	11.10	23	2					Frequency hopper
VERON	28327,0	15.10	19	2		UiRadar	PON		70pps; btw 14 and 16 UTC; day 8, 10, 11, 19

### Veron 3 – Netherlands – PA0GRU (Dick)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
VERON	7018,0	13.06	vd	2	RUS	REA4	F1B	1000	20.10 utc, Revs, 7 days, harmful
VERON	7036,3	07.07	vd	2		UiMUX	J7D		12 MPSK AT 3004-D, 8 days
VERON	7038,7	07.00	vd	2	UKR	D	A1A		20.20 utc, beacon, 8 days
VERON	7038,8	07.00	vd	2	RUS	P	A1A		17.15 utc, beacon, 6 days
VERON	7038,9	07.08	vd	2	RUS	S	A1A		20.20 utc, beacon,4 days
VERON	7039,0	07.00	vd	2	RUS	C	A1A		20.20 utc, beacon, 8 days
VERON	7039,0	17.18	22	2	RUS	M	A1A		M-beacon
VERON	7039,3	07.40	2	2	RUS	K	A1A		K-beacon
VERON	7039,4	17.18	22	2	RUS	M	A1A		M-beacon, also 27/2 at 20.22 utc
VERON	7054,0	06.56	vd	2	RUS	UiPtr	F1B	250	07.36 utc, Revs, 6 days
VERON	7122,4	07.03	2	2	UKR	P2KV	A1A		proc. Navy
VERON	7122,4	07.05	2	2	UKR	P2KV	A1A		proc. Navy
VERON	7122,4	07.47	2	2	UKR	UiCW	A1A		figure groups
VERON	7122,4	06.58	4	2	UKR	VP1Z	A1A		VP1Z OSNOWA 000 K
VERON	7122,4	07.03	4	2	UKR	NYAW	A1A		proc. Navy
VERON	7122,4	07.09	5	2	UKR	NEGT	A1A		to OZC: proc
VERON	7122,4	07.12	5	2	UKR	NH9K	A1A		proc. Navy
VERON	7122,4	13.03	5	2	UKR	NH9K	A1A		to Z96V: proc
VERON	7122,4	13.01	10	2	UKR	UiCW	A1A		proc, ( QSD)



SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
VERON	7122,4	19.00	12	2	UKR	LYXK	A1A		to Y4E6: proc
VERON	7122,4	07.00	15	2	UKR	SYV9	A1A		proc
VERON	7122,4	16.05	16	2	UKR	SWIB	A1A		to C55R: proc
VERON	7122,4	16.10	16	2	UKR	SAW7	A1A		figure groups of different length
VERON	7122,4	15.20	24	2	UKR	UiCW	A1A		figure groups of different length
VERON	7122,4	16.04	24	2	UKR	YSGY	A1A		proc
VERON	7122,4	07.02	25	2	UKR	OSY7	A1A		proc
VERON	7122,4	07.04	25	2	UKR	GMWP	A1A		proc
VERON	7185,8	11.20	21	2		MyanmA	A3E		till 11.30 utc NIL
VERON	7185,8	15.05	22	2		MyanmA	A3E		15.32 utc, BC speech and music

# IARUMS Region 1

Many thanks for your interest!

**The monitoring team of IARU Region 1**

credits:

Wavecom Elektronik – Buelach – Switzerland

SSB-Electronic – Iserlohn – Germany

BAZ – Special Antennas - Germany

German PTT (BNetzA = Federal Network Agency)

compiled and published by DK2OM