



Monitoring System

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The monthly newsletter for Region 1

January 2011

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Acknowledgements

++ ARI: DH7SA – Salvatore ++ ARSK: 5Z4NU - Ted ++ DARC: DJ9KR - Uli ++ EARA: SU1SA - Sayed
++ IRTS: EI4GXB - Ger ++ KARS: 9K2RR – Faisal ++ MARL: 9H1M – Dominic ++ MRASZ: HA7PL - Laci ++
++ NARS: 5N9AYM – Yusuf ++ OEVS: OE3DMA – Alex ++ PZK: SP3SUZ – Wladyslaw ++ RAL: OD5RI – Riri ++
++ REP: CT4AN – Jose and CT1JTQ – Angelo ++ RSGB: G4BOH - Chris ++ SARL: ZS1FCS - Fred ++
++ SRAL: OH2BLU - Pekka ++ URE: EA5DY - Salvador ++ USKA: HB9CET - Peter ++ VERON: PA0GRU - Dick ++
++ ZRS: S56ZDB – Darko ++ G3VZV – Graham (satellite intrusions) ++ TG9AJR – Juan (Co-ordinator Region 2) ++
++ VK3MV – Peter (Co-ordinator Region 3) ++ DF8FE – Martin (Webmaster assistance) ++ DL8AAM (ALE) ++
++ DJ7KG (BUOYS) ++ DF5SX (BC) ++ DARC (server support) ++ 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. Few digital MIL on 40 m

We observed few digital emissions by CIS military on our 40 m-band in January.

2. Moroccan fishery still on our bands – reported by DJ9KR and DK2OM (traffic in USB)

7000.0 and 10101.0: MRC fishery net

10151.0: 2 male persons from Morocco, MRC *)

14000.0: MRC fishery net

14040.4 and 21011.0: MRC fishery net

21212.0: 2 male persons from Morocco, common frequency, MRC *)

*) is Moroccan fishery vessel "Al Quds" always using these Ham Radio QRGs

3. Saving our bands – 25 years of hard work

DJ9KR is leading the DARC Monitoring System since 25 years! Congrats and thanks dear Uli !!!

4. Stanag4285 on 40 m

We found a Stanag4285 MIL system on 7142.8 kHz and informed the German PTT (BNetzA).

The system was transmitting from Ostende, Belgium. The BNetzA confirmed our observations and sent a complaint to the Belgian PTT. After few days the intruder disappeared.

5. Broadcast stations and BC IM heard in January 2011 by DJ9KR and DF5SX

7100: Azad Kashmir, located Rawalpindi, PAK

7105: PBS Nei Menggu (CHN) jamming Sound-of-Hope (TWN)

7105: Hainan Firedrake Jammer, instead of PBS Nei Menggu, jamming SOH, CHN

7120,7165,7175,7185, all tx-ing parallel, V.o.Broad Masses of Eritrea, ERI

7175 is always the loudest

7179: IM of Voice of Russia, involved 6090 and 1089, is Krasnodar, RUS

7189,7: SLBC Sri Lanka, CLN

7195: Radio Uganda, UGA

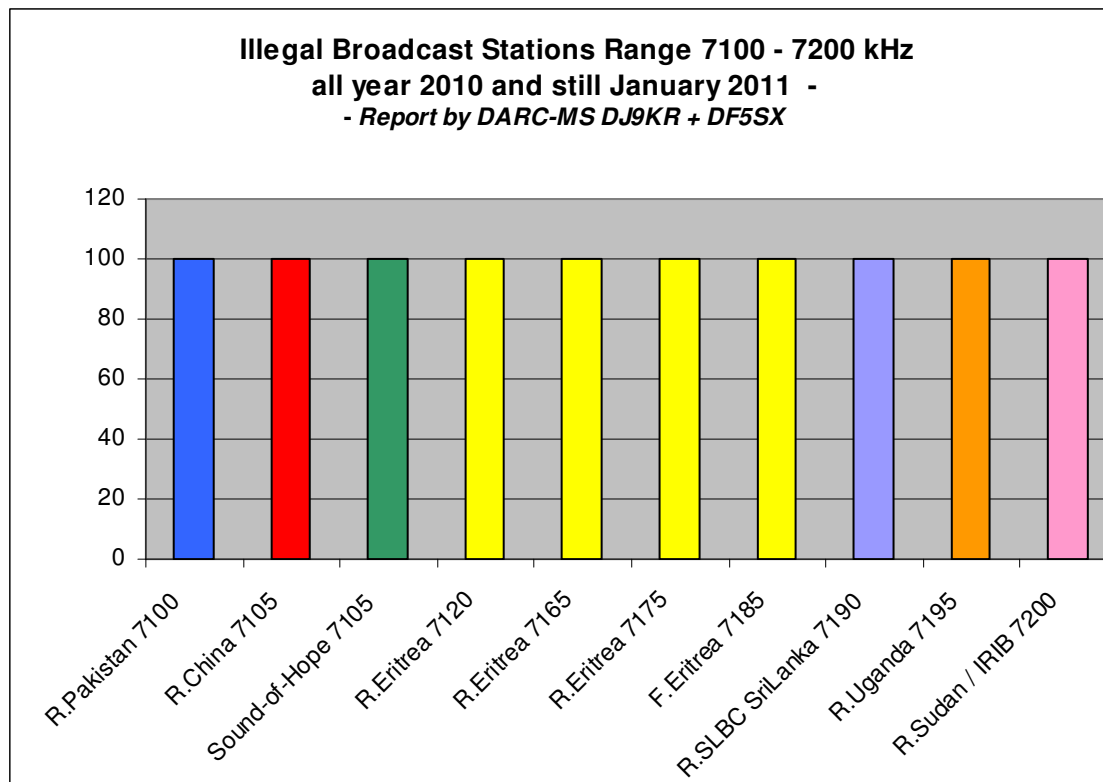
7200: IRIB Tehran (IRN) and Radio Omdurman (SDN), tx-ing at the same time,

IRIB is always very strong S9+45dB

Note: R.Ethiopia and all his White Noise jammers have ceased tx-ing in 7100 - 7200

14020: IRIB Tehran, IM 13600 and 13810, IRN – Another complaint by the German PTT was filed.

The illegal BC situation on 40 m in 2010 and January 2011 - graphic created by DJ9KR



6. Homepage IARU Region 1

Homepage IARUMS Region 1

Homepage IARUMS Region 2

Homepage IARUMS Region 3

<http://www.iaru-r1.org/>

<http://www.iarums-r1.org>

<http://www.intruder-watch.org/>

<http://www.iaru-r3.org/ms/>

Part 2: Detailed reports from the national Co-ordinators

DD = day *** MM = month *** dly = daily *** vt = various times *** vd = various days *** pps = pulses per second (radar systems) *** BD = Baud *** SH = shift *** SP = spacing *** Mode = mode of transmission *** A3E = AM *** A1A = CW *** J3E-U = USB *** J3E-L = LSB *** FSK (F1B) = frequency shift keying *** PSK = phase shift keying *** MPSK12 (J7D) = 12 channel phase shift keying *** ALE (MIL-188-141A) = automatic link establishment *** MUX = multiplex *** Ui (unid) = unidentified *** Illicit = illegal *** UiILL = unidentified illegal *** BC = broadcast *** MIL = military *** PTR = printer *** NGO = non governmental organization *** ITU = ITU country abbreviation *** PRC = People's Republic of China *** PLA = People's Liberation Army *** MFA = Ministry of Foreign Affairs *** MOI = Ministry of Interior *** MOPO = Ministry of Public Order *** IARUMS = IARU Monitoring System *** UTC = Universal Time Coordinated

ARSK MONITORING OVERVIEW FOR JANUARY 2011

A few Somali intruders were heard on 40 meters, not in great numbers. The southern Sudanese and Francophone Africa intruders and the broadcast stations on 40 meters were as active as ever, the most notable being Radio Uganda by day on 7195 kHz.

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

ARSK – Kenya – 5Z4NU (Ted)

H'd by	kHz	UTC	DD	MM	ITU	Identity	MODE	Details
ARSK	7000.0	1218	21	1	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7000.0	0931 1038	3 23	1	DRC?	UiPHONE	J3Eu	iSwahili. May also be Tanzania, Rwanda or Burundi.
ARSK	7007.0	vt	*	1	DRC	UiPHONE	J3Eu	Vernacular. *3,
ARSK	7009.0	vt	*	1	DRC	UiPHONE	J3E/u	French, vernacular. *8,9,27,
ARSK	7024.0	vt	*	1	DRC	UiPHOINE	J3E	Vernacular. *27,28,,
ARSK	7025.0	vt	*	1	DRC	UiPHOINE	J3E	Vernacular.*3,
ARSK	7026.0	0949	31	1	SDN	UiPHONE	J3Eu	English - NGO?
ARSK	7027.0	vt	*	1	DRC	UiPHONE	J3Eu	French, Selcal.*8,25,
ARSK	7027.0	1218	21	1	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7028.0	0931	8	1	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7030.0	0948	14	1	DRC	UiPHONE	J3E	French, vernacular.
ARSK	7032.0	0950	14	1	SDN	UiPHONE	J3E	English, vernacular, phonetics.
ARSK	7033.0	1030	17	1	DRC?	UiPHONE	J3Eu	Vernacular.
ARSK	7035.0	1036	23	1	DRC	uiPHONE	J3eu	French
ARSK	7040.0	vt	*	1	DRC	UiPHONE	J3E	Vernacular.*3,9,23,27,
ARSK	7045.0	vt	*	1	DRC	UiPHONE	J3E	Vernacular.*23,
ARSK	7050.0	vt	*	1	DRC	UiPHONE	J3E	Vernacular.*28,
ARSK	7057.0	vt	*	1	SOM	UiPHONE	J3Eu	Somalis. *9,27,
ARSK	7065.0	1500	25	1	DRC	UiPHONE	J3E	French, vernacular.
ARSK	7066.0	vt	*	1	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7068.0	1040	23	1	DRC/	UiPHIONE	J3E	Swahili, French.
ARSK	7074.0	1501	25	1	SDN	UiPHONE	J3Eu	Vernacular.
ARSK	7075.0	vt	*	1	DRC	UiPHONE	J3Eu	French, Kiswahili. *31.
ARSK	7096.0	vt	27	1	SDN	UiPHONE	J3E	Phonertics. Vernacular, English.
ARSK	7120.0	vt	*	1	ETH? ERI?	UiPHONE	A3E	Vernacular. Possibly VOBM or Addis Ababa. *
ARSK	7120.0	vt	*	1	?	UiPHONE	A3E	Language not identified. *9,10,30,
ARSK	7141.0	0731	28	1	DRC	UiPHONE	J3Eu	Vernacular.
ARSK	7165.0	vt	dly	1	ETH, ERI	Addis Ababa, VOBM?	A3E	Broadcast. Arabic, Amharic. Somali.
ARSK	7170.0	vt	*	1	SOM	UiPHONE	J3Eu	Somalis.*12,26,
ARSK	7175.0	vt	*	1	ERI	VOBM?	A3E	Broadcast. *3,
ARSK	7180.0	0833	27	1	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7185.0	vt	9	1	ERI?	VOBM?	A3E	Broadcast.
ARSK	7195.0	vt	dly	1	UGA	Kampala	A3E	Radio Uganda. Complaint lodged with UCC.
ARSK	7200.0	vt	dly	1	SDN	Khartoum	A3E	Broadcast in Arabic, Khartoum.

DARC 1 – Germany – DJ9KR (Uli)

BC transmissions, IM products, harmonics = blue

CLUB	kHz	UTC	DD	MM	ITU	Call Sign	MODE	BD	SH	Remarks and Comments
DARC	3499,9	2000	18	01	S.Eu	UiBC	A3E			Islamic Broadcast and music, exact QRG is: 3499,962 - Balcan
DARC	3500,0	2200	12	01	E	UiILL	J3E-U			Spanish fishery
DARC	3500,0	2110	15	01	E	UiILL	J3E-U			Spanish fishery
DARC	3500,0	1633	19	01	N.Eu	UiILL	J3E-U			Scandinavians, male persons
DARC	3510,0	1647	19	01	E	UiILL	J3E-U			Spanish fishery
DARC	3510,0	2050	19	01	N.Eu	UiILL	J3E-U			Scandinavians, male persons
DARC	3515,0	1628	19	01	F	UiILL	J3E-U			French fishery
DARC	3522,0	1853	30	01	CIS	UiILL	J3E-U			woman in Russian voice
DARC	3525,0	1936	12	01	E	UiILL	J3E-U			Spanish fishery
DARC	3535,0	vt	vd	01	HOL	UiILL	J3E-U			Dutch fishery heard 20 26 at 1642, 2056
DARC	3540,0	vt	vd	01	E	UiILL	J3E-U			Spanish fishery heard 11 13 25 at 1935, 1855, 1820
DARC	3545,0	vt	dly	01	ALG	UiILL	J3E-U			ALG MIL, daily at various times
DARC	3550,0	00815	21	01	F	French Lis Amateurs	A3E			big French ham radio net in AM
DARC	3550,0	0800	dly	01	F	French Lis Amateurs	A3E			French lis Amateure in AM - stns do spell their call phonetically
DARC	3551,0	2055	17	01	F	UiILL	J3E-U			French fishery
DARC	3559,9	2021	19	01	N.Eu	UiILL	J3E-U			Scandinavians, male persons
DARC	3565,0	1841	22	01	G	UiILL	J3E-U			male net i English dialect, also plain English
DARC	3570,0	1854	30	01	N.Eu	UiILL	J3E-U			Scandinavians, male persons
DARC	3596,0	1858	30	01	CIS	UiILL	J3E-U			woman in Russian voice
DARC	3600,0	2250	21	01	G	UiILL	J3E-U			unid net in English male voice
DARC	3756,0	0241	14	01		UiDOT	A3E			dotter, appr. 1 dot/second
DARC	7000,0	1514	11	01	E	UiILL	J3E-U			Spanish fishery
DARC	7000,0	0751	13	01		UiILL	J3E-U			male voice, unid language, spelling
DARC	7000,0	1419	14	01	I	Italian Lis (?) Amateurs	J3E-L			male persons, sometimes Italian ham radio calls, LSB used (so out-of-band transmission)
DARC	7000,0	1700	14	01	Africa	UiILL	J3E-U			pirates in French plain language
DARC	7000,0	1531	24	01	E	UiILL	J3E-U			Spanish fishery
DARC	7000,0	1547	24	01		UiILL	J3E-L			somebody transmitting music, SSB-LSB
DARC	7000,0	vt	28	01	MRC	UiILL	J3E-U			2 male persons in Moroccan, yawning, one person has shrieky voice, heard 2143 - 2152
DARC	7000,0	vt	vd	01	F	UiILL	J3E-U			voice traffic in French, phone patches and dial tones - heard 17 18 at 2104, 2110
DARC	7008,0	0722	27	01	RUS	UiPTR	F1B			unid printer
DARC	7018,0	2028	02	01	RUS	REA4	F1B	50	100	fast reversals, is Russian Airforce
DARC	7018,0	1538	06	01	RUS	REA4	F1A			fast reversals, is Russian Airforce
DARC	7020,0	vt	25	01	IRN	V.o.IRIB	A3E			IM 7200 x 7380, German px 1815 - 1828 s/off
DARC	7020,0	vt	26	01	IRN	V.o.IRIB	A3E			heard 1735 - 1828 s/off, IM 7200 x 7380
DARC	7020,0	1732	27	01	PAK	V.o.IRIB	A3E			heard 1732 - 1828 s/off, IM 7200 x 7380
DARC	7030,0	0722	27	01		UiPTR	F1B			unid printer
DARC	7054,0	0806	15	01	RUS	UiMUX	PSK2			AT-3004-D
DARC	7100,0	vt	02	01	PAK	Azad Kashmir	A3E			Kashmiri language heard 1454 - 1500 s/off

CLUB	kHz	UTC	DD	MM	ITU	Call Sign	MODE	BD	SH	Remarks and Comments
						Radio				
DARC	7100,0	vt	02	01	PAK	Azad Kashmir Radio	A3E			Kashmiri language, s/on again 1513, heard till 1620 - at 1600 En news
DARC	7100,0	vt	02	01	PAK	Azad Kashmir Radio	A3E			heard 1731 - 1801
DARC	7100,0	1619	09	01	PAK	Azad Kashmir Radio	A3E			weak signal
DARC	7100,0	vt	15	01	PAK	Azad Kashmir Radio	A3E			heard 1522 - 1601
DARC	7100,0	vt	21	01	PAK	Azad Kashmir Radio	A3E			heard 0127, nil at 0157
DARC	7100,0	1512	23	01	PAK	Azad Kashmir Radio	A3E			Indian film music S9+15dB
DARC	7100,0	1515	23	01		UiMUX	FSK			ALE heard
DARC	7100,0	1648	24	01	PAK	Azad Kashmir Radio	A3E			is active
DARC	7100,0	1500	25	01	PAK	Azad Kashmir Radio	A3E			heard 1500 - 1706, al 1706: Holy Qur'an recitals, S9+30dB
DARC	7100,0	0037	27	01	PAK	Azad Kashmir Radio	A3E			drums and bag pipes
DARC	7100,0	1732	27	01	PAK	Azad Kashmir Radio	A3E			tabla music S9+15dB
DARC	7100,0	0726	29	01	PAK	Azad Kashmir Radio	A3E			0736: nil
DARC	7102,0	1005	07	01	G	Met Northwood	FAX			FAX 120 rpm, is Meteorologic and Oceanographic Centre Northwood - tnx DK2OM for ident!
DARC	7105,0	2037	08	01	TUN	RTV Tunisia	A3E			IM, S9+10dB signal, found // 7225
DARC	7105,0	2237	13	01	CHN	PPS Nei Menggu	A3E			Chinese px, S9+15dB
DARC	7105,0	2237	13	01	TWN	Sound of Hope	A3E			Chinese px under
DARC	7105,0	2214	15	01	CHN	PPS Nei Menggu	A3E			Chinese px strong S9+15dB, wiping out Sound of Hope
DARC	7105,0	2214	15	01	TWN	Sound of Hope	A3E			Chinese px weak
DARC	7105,0	2207	30	01	CHN	R.China	A3E			Chinese px in order to jam Sound of Hope
DARC	7105,0	2207	30	01	TWN	Sound of Hope	A3E			Chinese px
DARC	7110,0	0730	13	01		UiBC	A3E			unid BC, weak signal
DARC	7115,0	0632	03	01		UiOTH	P0N			rattling pulses 20 kHz spread
DARC	7120,0	0401	01	01	ERI	VOBME	A3E			HOA music
DARC	7120,0	vt	02	01	ERI	VOBME	A3E			S9, weak modulation, heard 1454 - 1802 s/off with jingle
DARC	7120,0	1502	03	01	ERI	VOBME	A3E			HOA and Vernacular voice
DARC	7120,0	vt	06	01	ERI	VOBME	A3E			heard 1540 - 1734
DARC	7120,0	1619	09	01	ERI	VOBME	A3E			is active
DARC	7120,0	0606	15	01	ERI	VOBME	A3E			is active
DARC	7120,0	1522	17	01	ERI	VOBME	A3E			found // 7165, 7175, 7185
DARC	7120,0	1640	20	01	ERI	VOBME	A3E			found // 7165, 7175, 7185
DARC	7120,0	vt	23	01	ERI	VOBME	A3E			heard 1513 - 1710, found // 7165, 7175, 7185
DARC	7120,0	0441	27	01	ERI	VOBME	A3E			is active

CLUB	kHz	UTC	DD	MM	ITU	Call Sign	MODE	BD	SH	Remarks and Comments
DARC	7120,0	1503	28	01	ETH	White Noise Jammer	JAM			WN jammer, jamming VOBME (ERI)
DARC	7120,0	1655	28	01	ETH	White Noise Jammer	JAM			WN jammer, jamming VOBME (ERI)
DARC	7125,0	2028	02	01		UiBC	A3E			piano music, weak signal
DARC	7140,0	1640	20	01		UiMUX	XXX			mux rushing noise
DARC	7144,0	0737	15	01		UiMUX				mux heard
DARC	7150,0	vt	13	01	I	UiILL	J3E-U			2 male persons in Italian dialect ("nessuno"), engine noise - heard 0719 - 0729
DARC	7150,0	2148	25	01		UiBC	A3E			weak signal heard
DARC	7154,0	0241	14	01		UiBC	A3E			2 px heard at the same time, weak signals
DARC	7154,0	0127	21	01		UiBC	A3E			IM?
DARC	7160,0	0144	21	01		UiBC	A3E			unid BC
DARC	7165,0	0401	01	01	ERI	VOBME	A3E			HOA music
DARC	7165,0	1304	01	01		UiPTR	F1B			unid printer
DARC	7165,0	1304	01	01		UiPTR	F1B			unid printer
DARC	7165,0	vt	02	01	ERI	VOBME	A3E			S9, weak modulation, heard 1454 - 1802 s/off with jingle
DARC	7165,0	1502	03	01	ERI	VOBME	A3E			HOA and Vernacular voice
DARC	7165,0	vt	06	01	ERI	VOBME	A3E			heard 1540 - 1734
DARC	7165,0	1522	17	01	ERI	VOBME	A3E			found // 7120, 7175, 7185
DARC	7165,0	1640	20	01	ERI	VOBME	A3E			found // 7120, 7175, 7185
DARC	7165,0	vt	23	01	ERI	VOBME	A3E			heard 1513 - 1710, found // 7120, 7175, 7185
DARC	7165,0	1435	28	01	ETH	White Noise Jammer	JAM			WN jammer, jamming VOBME (ERI)
DARC	7170,0	2215	15	01		UiBC	A3E			weak signal
DARC	7175,0	0401	01	01	ERI	VOBME	A3E			HOA music S9+20dB
DARC	7175,0	1702	02	01	ERI	VOBME	A3E			BC active
DARC	7175,0	vt	02	01	ERI	VOBME	A3E			S9+20dB, heard 1454 - 1802 s/off with jingle
DARC	7175,0	1502	03	01	ERI	VOBME	A3E			HOA and Vernacular voice
DARC	7175,0	vt	06	01	ERI	VOBME	A3E			heard 1540 - 1734
DARC	7175,0	1619	09	01	ERI	VOBME	A3E			is active, strong signal S9+20dB
DARC	7175,0	0606	15	01	ERI	VOBME	A3E			is active
DARC	7175,0	1522	17	01	ERI	VOBME	A3E			found // 7120, 7165, 7185
DARC	7175,0	1640	20	01	ERI	VOBME	A3E			found // 7120, 7165, 7185
DARC	7175,0	vt	23	01	ERI	VOBME	A3E			heard 1513 - 1710, found // 7120, 7165, 7185
DARC	7175,0	1503	28	01	ETH	White Noise Jammer	JAM			WN jammer, jamming VOBME (ERI)
DARC	7179,0	2113	03	01	RUS	V.o.Russia	A3E			Ru px, IM, S8-signal
DARC	7179,0	2200	07	01	RUS	V.o.Russia	A3E			Church bells ringing, Russian Orthodox Divine Service
DARC	7179,0	2126	09	01	RUS	V.o.Russia	A3E			IM, music, S9-signal
DARC	7179,0	2237	13	01	RUS	V.o.Russia	A3E			S9-signal
DARC	7179,0	2128	20	01	RUS	V.o.Russia	A3E			is active
DARC	7179,0	2152	22	01	RUS	V.o.Russia	A3E			IM
DARC	7179,0	2138	28	01	RUS	V.o.Russia	A3E			Russian px, IM 6090 x 1089
DARC	7179,0	2207	30	01	RUS	V.o.Russia	A3E			IM 6090 x 1089
DARC	7179,0	vt	dly	01	RUS	V.o.Russia	A3E			is IM of 6090 and 1089, station Krasnodar-Armavir - report DL5SX
DARC	7185,0	1502	03	01	ERI	VOBME	A3E			HOA and Vernacular voice
DARC	7185,0	vt	06	01	ERI	VOBME	A3E			heard 1540 - 1734
DARC	7185,0	1619	09	01	ERI	VOBME	A3E			is active
DARC	7185,0	0606	15	01	ERI	VOBME	A3E			is active
DARC	7185,0	1522	17	01	ERI	VOBME	A3E			found // 7120, 7165, 7175
DARC	7185,0	vt	23	01	ERI	VOBME	A3E			heard 1513 - 1710, found // 7120, 7165, 7175
DARC	7185,0	1655	28	01	ETH	White Noise Jammer	JAM			WN jammer, jamming VOBME (ERI)
DARC	7185,0	1640	29	01	ERI	VOBME	A3E			found // 7120, 7165, 7175

CLUB	kHz	UTC	DD	MM	ITU	Call Sign	MODE	BD	SH	Remarks and Comments
DARC	7189,7	0127	21	01	CLN	SLBC Sri Lanka	A3E			Indian film music
DARC	7189,7	0037	27	01	CLN	SLBC Sri Lanka	A3E			
DARC	7190,0	2148	25	01		UiBC	A3E			weak signal heard, carrier rocking
DARC	7194,3	0728	29	01	I	IZOGKZ	A3E			in AM, is legal!
DARC	7195,0	1454	02	01	UGA	Radio Uganda	A3E			weak signal
DARC	7195,0	1648	24	01	UGA	Radio Uganda	A3E			weak signal heard
DARC	7196,1	1345	20	01	I	Italian Lis Amateur	A3E			no BC, is Italian ham traffic in AM, one ham is allowed!
DARC	7199,0	0241	14	01		UiMUX	FSK			ALE heard
DARC	7200,0	0401	01	01	SDN	R.Omdurman	A3E			Ar px
DARC	7200,0	2031	01	01	IRN	V.o.IRIB	A3E			Holy Qur'an recitals, S9+30dB, at 2039 Spanish px
DARC	7200,0	2039	01	01	IRN	V.o.IRIB	A3E			Spanish px S9+35dB
DARC	7200,0	1454	02	01	SDN	R.Omdurman	A3E			Ar px
DARC	7200,0	1702	02	01	SDN	R.Omdurman	A3E			Ar px
DARC	7200,0	1800	02	01	IRN	V.o.IRIB	A3E			at 1800 s/on Bosnian px, S9+30dB
DARC	7200,0	1505	03	01	SDN	R.Omdurman	A3E			Ar px
DARC	7200,0	2115	03	01	IRN	V.o.IRIB	A3E			Spanish px S9+35dB
DARC	7200,0	2037	08	01	IRN	V.o.IRIB	A3E			Spanish px S9+40dB
DARC	7200,0	1620	09	01	IRN	V.o.IRIB	A3E			"Iran" often mentioned
DARC	7200,0	2126	09	01	IRN	V.o.IRIB	A3E			Spanish px 2126 - s/off at 2133
DARC	7200,0	vt	10	01	SDN	R.Omdurman	A3E			heard 0640 - 0745
DARC	7200,0	vt	11	01	SDN	R.Omdurman	A3E			heard 0603 - 0809
DARC	7200,0	vt	14	01	SDN	R.Omdurman	A3E			heard 0241, 0331 - at 1350 very weak
DARC	7200,0	vt	15	01	SDN	R.Omdurman	A3E			heard 0606 - 0737
DARC	7200,0	vt	15	01	SDN	R.Omdurman	A3E			Ar px heard 1603 - 1606 with cut in tx-ing signal at 1605
DARC	7200,0	vt	18	01	SDN	R.Omdurman	A3E			Ar px heard 0615 - 0727
DARC	7200,0	1345	20	01	SDN	R.Omdurman	A3E			Arabic px
DARC	7200,0	1640	20	01	IRN	V.o.IRIB	A3E			is active S9+10dB
DARC	7200,0	vt	20	01	IRN	V.o.IRIB	A3E			Spanish px 2100 - 2127 s/off Spanish px
DARC	7200,0	0555	21	01	SDN	R.Omdurman	A3E			Ar px
DARC	7200,0	1640	22	01	IRN	V.o.IRIB	A3E			is active
DARC	7200,0	0538	23	01	SDN	R.Omdurman	A3E			Ar px S9+30dB
DARC	7200,0	1513	23	01	SDN	R.Omdurman	A3E			Ar px
DARC	7200,0	1801	23	01	IRN	V.o.IRIB	A3E			Bosnian px S9+30dB
DARC	7200,0	2118	24	01	IRN	V.o.IRIB	A3E			Spanish px S9+35dB
DARC	7200,0	1808	25	01	IRN	V.o.IRIB	A3E			Bosnian px, S9+45dB
DARC	7200,0	1808	25	01	SDN	R.Omdurman	A3E			covered by V.o.IRIB
DARC	7200,0	0535	27	01	SDN	R.Omdurman	A3E			Ar px
DARC	7200,0	1732	27	01	IRN	V.o.IRIB	A3E			Bosnian px, S9+45dB
DARC	7200,0	vt	dly	01	SDN	R.Omdurman	A3E			ILG-B10 says - sked: 0245 - 2300, 2300 - 0230 - Arabic px
DARC	7200,0	vt	dly	01	IRN	V.o.IRIB	A3E			1600 - 1730: Tajik px
DARC	7200,0	vt	dly	01	IRN	V.o.IRIB	A3E			1730 - 1830: Bosnian px
DARC	7200,0	vt	dly	01	IRN	V.o.IRIB	A3E			2030 - 2130: Spanish px (for Europe) - pse hit http://spanish.irib.ir/home/frecuencia
DARC	7200,0	vt	dly	02	RUS	V.o.Russia	A3E			ALERT! - since 01 February 0800 - 1500 UTC Russian px - pse inform your National Telecoms. Authorities for an International Complaint - ALERT!
DARC	7210,7	0405	01	01	RUS	V.o.Russia	A3E			Spanish px "La Voz de Russia", rocking and chirping

CLUB	kHz	UTC	DD	MM	ITU	Call Sign	MODE	BD	SH	Remarks and Comments
										carrier, harmful splatters into ham band
DARC	7210,8	vt	21	01	RUS	Voz de Russia	A3E			Spanish px very much overmodulated, carrier rocking, splatters into ham band - heard 0136 - 0555
DARC	10101,0	0740	15	01	I	UiILL	J3E-U			unid male Italian voice
DARC	10120,5	1822	14	01	E	UiILL	J3E-U			Spanish fishery
DARC	10123,0	vt	17	01	G	UiILL	J3E-U			2 male persons in British dialect - heard 0805 - 0815 S9+10 - report DL1DXL
DARC	10130,0	0405	01	01		UiOTH	P0N			chirping pulses S9+25dB
DARC	10130,0	vt	18	01	G	G3NXS	J3E-U			OP Fred, in QSO with OP Malcolm without call sign. Malcolm says "this is G3NXS and the group, I'm off and clear" - English plain language - heard 1026 - 1033
DARC	10148,0	1438	02	01	F.Ea	UiILL	J3E-U			Far East pirates
DARC	10150,0	1630	11	01	E	UiILL	J3E-U			Spanish fishery
DARC	10151,0	0815	21	01	MRC	UiILL	J3E-U			2 male persons in Moroccan voice, just info!
DARC	14000,0	1350	16	01	S.As	UiILL	J3E-U			male persons in Sinhala, fishery?
DARC	14000,0	vt	vd	01	MRC	UiILL	J3E-U			Moroccan fishery, heard 15 16 18 at 1358, 0918, 1629
DARC	14001,1	1445	12	01	INS	UiILL	J3E-U			male persons, fishermen
DARC	14002,6	1340	12	01	CLN	UiILL	J3E-U			fishery
DARC	14020,0	0716	22	01	IRN	V.o.IRIB	A3E			heard 0603 - 0727
DARC	14020,0	0628	23	01	IRN	V.o.IRIB	A3E			IM of 13600 x 13810, px in French voice
DARC	14020,0	0711	24	01	IRN	V.o.IRIB	A3E			French px heard, found // 15560; IM also found on 13390 with Suptar px // 13810
DARC	14020,0	0716	26	01	IRN	V.o.IRIB	A3E			French px heard, found // 15560; IM also found on 13390 with Suptar px // 13810
DARC	14020,0	0722	27	01	IRN	V.o.IRIB	A3E			IM 7380 x 7200
DARC	14020,0	0629	28	01	PAK	V.o.IRIB	A3E			Ntl. Anthem, jingle, Al-Qur' an recitals, // 15560, French px
DARC	14020,0	vt	29	01	IRN	V.o.IRIB	A3E			heard 0637 - 0726
DARC	14040,4	1200	21	01	MRC	UiILL	J3E-U			Moroccan fishery
DARC	14295,2	ady	dly	01	TJK	Radio Tajikistan	A3E			harmonic
DARC	21000,0	0830	11	01	F.Ea	UiILL	J3E-U			Far East pirates
DARC	21000,0	0812	18	01		UiOTH	P0N			rattling pulses 20 kHz spread S9+20dB
DARC	21212,0	1353	20	01	MRC	UiILL	J3E-U			2 male persons, fishermen, in Moroccan language
DARC	21212,0	1335	22	01	MRC	UiILL	J3E-U			2 male persons in Moroccan voice
DARC	28035,0	1028	14	01	CIS	Taxi Bizniz	F3E			taxi traffic, female at base station, male in taxi
DARC	28045,0	1155	07	01	CIS	Taxi Bizniz	F3E			taxi traffic, female at base station, male in taxi
DARC	28055,0	1206	07	01	CIS	Taxi Bizniz	F3E			taxi traffic, female at base station, male in taxi
DARC	28055,0	1010	14	01	CIS	Taxi Bizniz	F3E			taxi traffic, female at base station, male in taxi
DARC	28065,0	0954	14	01	CIS	Taxi Bizniz	F3E			taxi traffic, female at base station, male in taxi
DARC	28075,0	1031	14	01	CIS	Taxi Bizniz	F3E			taxi traffic, female at base station, male in taxi
DARC	28115,0	1125	05	01	CIS	Taxi Bizniz	F3E			taxi traffic, female at base

CLUB	kHz	UTC	DD	MM	ITU	Call Sign	MODE	BD	SH	Remarks and Comments
										station, male in taxi
DARC	28155,0	0945	14	01	CIS	Taxi Bizniz	F3E			taxi traffic, female at base station, male in taxi
DARC	28165,0	vt	vd	01	CIS	Taxi Bizniz	F3E			heard 11 14 at 0921, 1000
DARC	28175,0	1206	07	01	CIS	Taxi Bizniz	F3E			taxi traffic, female at base station, male in taxi
DARC	28175,0	vt	vd	01	CIS	Taxi Bizniz	F3E			heard 11 14 at 0917, 1029
DARC	28215,0	1030	14	01	CIS	Taxi Bizniz	F3E			taxi traffic, female at base station, male in taxi
DARC	28225,0	0916	11	01	CIS	Taxi Bizniz	F3E			taxi traffic, female at base station, male in taxi
DARC	28245,0	0921	11	01	CIS	Taxi Bizniz	F3E			taxi traffic, female at base station, male in taxi
DARC	28295,0	1125	05	01	CIS	Taxi Bizniz	F3E			taxi traffic, female at base station, male in taxi
DARC	28950,0	0918	11	01	CIS	Taxi Bizniz	F3E			taxi traffic, female at base station, male in taxi
DARC	29015,0	0920	11	01	CIS	Taxi Bizniz	F3E			taxi traffic, female at base station, male in taxi
DARC	29085,0	0918	11	01	CIS	Taxi Bizniz	F3E			taxi traffic, female at base station, male in taxi
DARC	29105,0	0918	11	01	CIS	Taxi Bizniz	F3E			taxi traffic, female at base station, male in taxi
DARC	29205,0	00927	11	01	CIS	Taxi Bizniz	F3E			taxi traffic, female at base station, male in taxi
DARC	29225,0	0939	11	01	CIS	Taxi Bizniz	F3E			taxi traffic, female at base station, male in taxi
DARC	29445,0	0919	11	01	CIS	Taxi Bizniz	F3E			taxi traffic, female at base station, male in taxi
DARC	29655,0	0919	11	01	CIS	Taxi Bizniz	F3E			taxi traffic, female at base station, male in taxi

DARC 2 – Germany – DJ9KR (Uli)

QRG (kHz) name of Broadcast Station, ITU-country – state: Jan. 31st 2011

7020	<i>Iran Republic of Iran Broadcasting (IRIB), IM product, IRN</i>
7100	Azad Kashmir Radio, PAK
7105	Radio China , Nei Menggu PBS, CHN
7105	Hainan Firedrake Jammer against Sound of Hope, CHN
7105	Sound of Hope, TWN
7120	Voice of the Broad Masses of Eritrea, ERI
7120 v	*) since 28 January 2011 again White Noise Jammers from Ethiopia on 7120, 7130, 7165, 7175, 7180, 7185 depending on tx-ing activity of VOBME
7165	Voice of the Broad Masses of Eritrea, (VOBME), ERI *)
7175	Voice of the Broad Masses of Eritrea, ERI *)
7179	<i>Voice of Russia, IM product , RUS</i>
7180	Voice of the Broad Masses of Eritrea, ERI *)
7185	Voice of the Broad Masses of Eritrea, ERI *)
7189,7	SLBC Colombo, Hindi 0030 – 0300, Telugu 0830 – 0930, Tamil 1030 - 1230, Sri Lanka, CLN
7190	Radio Yemen, San'a, YEM
7195	Radio Uganda, English 0600 – 1200 daily, 1200 – 1400 Monday and Sunday, UGA
7200	Radio Omdurman, Arabic 0000 - 2400, SDN
7200	Islamic Republic of Iran Broadcasting (IRIB), IRN

DARC 3 – Germany - DK2OM (Wolf)**PSE observe:****FSK transmissions -> center frequency between mark and space****PSK transmissions -> center frequency (subtract the modem frequency!)****ALE (MIL188-141A) -> USB frequency – exclusive bands: black – nonexclusive: blue****SH = shift --- SP = spread (radar)**

DARC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DARC	1812,0	ady	dly	01	POL		A3E			Polish “PIP” – 10 tones – North-Poland – Baltic coast - POL Navy ?
DARC	1876,8	ady	dly	01	G		PSK8	2400	2400	Stanag4285 - 1200 bps long - Scotland
DARC	1896,5	ady	dly	01	D		PSK8	2400	2400	Stanag4285 - 600 bps long - German Navy
DARC	3500,0	vt	dly	01	TUR	no ITU	FSK8	125	1750	ALE, “2015” “2016” “1020”- Turkish Red Crescent - legal
DARC	3500,2	1755	18	01	F?	HE6FU	F1B	100	200	illegal Pactor 1 traffic in French
DARC	3502,0	1600	26	01	UKR		A1A			5 letter and figure groups
DARC	3503,5	vt	dly	01	G	no ITU	FSK8	125	1750	ALE – “XSS” “XPU” – British MIL Tascomm
DARC	3510,0	vt	dly	01	ALG		FSK8	125	1750	ALE, “JE30” “PT30”
DARC	3517,8	0837	17	01	SHIP		PSK8	2400	2400	MIL-188-110A - ship – North Sea
DARC	3527,0	2055	01	01	RUS		F1B	50	200	Severomorsk
DARC	3533,0	vt	dly	01	E	no ITU	FSK8	125	1750	ALE, “TZSC2” “TWBZ1” - Spanish Guardia Civil
DARC	3540,0	1851	25	01	RUS		PSK2	120	2600	AT3004D – idling and traffic - Kaliningrad
DARC	3545,0	vt	dly	01	ALG		FSK8	125	1750	ALE, “FL49” “PT50” - ALG MIL + voice traffic USB
DARC	3553,8	ady	dly	01	TUR		PSK8	2400	2400	Stanag4285 – TUR MIL - Ankara
DARC	3555,8	1820	02	01	KGZ		F1B	150	150	ACF = 324 - Bishkek
DARC	3556,5	2031	27	01	RUS		F1B	75	250	Kaliningrad
DARC	3561,0	1515	12	01	BLR		F1B	75	200	north of Minsk
DARC	3565,8	1540	12	01	BEL		PSK8	2400	2400	Stanag4285 - 150 bps long - Brussels
DARC	3570,0	1500	01	01	RUS		PSK2	120	2600	AR3004D - area of Moscow
DARC	3570,5	2150	11	01	BLR		F1B	81	264	east of Minsk - very bad signal quality
DARC	3577,0	ady	dly	01	I	IZ3DVW	A1A			IZ3DVW – beacon not coordinated
DARC	3580,0	2238	17	01						frequency hopper
DARC	3585,0	1700	dly	01	TWN	HLL	F1C			120 rpm, IOC 576, Wxfax - legal!
DARC	3590,0	vt	dly	01	PAK	no ITU	FSK8	125	1750	ALE, “KW” “BABUR” “KHA” “KHAIBAR” “BADR” “NASR”
DARC	3591,5	1722	07	01	F		OFDM	44.4	1800	OFDM27 - area of Lille / North France
DARC	3595,0	vt	dly	01	D	no ITU	FSK8	125	1750	ALE, „ZLST“ „ZPRI“ „ZSHO“ „ZBOR“ „ZEMD“ „ZHEL“ „ZKNI“ „ZBOR“ „BPLEZS“ German customs – North-Germany
DARC	3596,0	vt	dly	01	HRV	9A0ALE	FSK8	125	1750	Croatian emergency ALE-net --- for info!
DARC	3596,8	1714	25	01	Ship		PSK4	75	1800	Link11 - 300 deg. from DL, possibly ship
DARC	3603,0	vt	vd	01	D	DA0EC	PSK8	2000	2000	RFSM 8000 – amateur emergency net - Berlin - legal operation - just for info!!!
DARC	3608,0	vt	dly	01	RUS		F1B	50	200	Kaliningrad
DARC	3611,5	vt	dly	01	D		PSK8	200	500	German APRS Net in Robust Packet - just for info!
DARC	3632,6	2000	17	01	ISR		PSK4	75	2400	MIL-188-110A - hybrid

DARC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DARC	3638,0	2234	13	01	KAZ		PSK4	120	2600	AT3104D - area of Kazakhstan
DARC	3665,8	2035	15	01	BEL		PSK8	2400	2400	Stanag4285 - 600 bps long - Belgium
DARC	3756,0	ady	dly	01	UKR		A3E			UKR – pip – 10 tones
DARC	3763,0	2030	01	01			PSK8	2400	2400	MIL188-110A – 300 bps short/long
DARC	3775,5	2005	28	01	UKR		PSK2	120	2600	AT3004D
DARC	3782,0	ady	dly	01	POR	CTP	F1B	75	850	POR Navy headquarter Lisbon
DARC	7000,0	vt	dly	01	IRQ	no ITU	FSK8	125	1750	ALE, “MEDOPS” “BMROPS” “LNGKNF” “EAGLE” “HFCFSR” “R23747” “R24594” US MIL
DARC	7001,5	1400	01	01	ISR		FMCW		2800	sawtooth-generator - 0.3 Hz - 2800 Hz wide – area of Israel – 1 st time heard on 29.12.2010
DARC	7003,0	1912	16	01						frequency hopper
DARC	7008,0	0746	27	01	RUS		F1B	75	250	Kaliningrad
DARC	7018,0	vt	dly	01	RUS	REA4	F1B	50	1000	Russian Airforce Moscow
DARC	7020,0	1655	28	01						frequency hopper
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	7039,1	vt	dly	01	KGZ	A	A1A			Cluster beacon – Bishkek RUS Navy –
DARC	7039,2	ady	dly	01	RUS	F	A1A			Cluster beacon - Vladivostok RUS Navy - “RJS”
DARC	7039,3	vt	dly	01	RUS	K	A1A			Cluster beacon - Petropavlovsk Kamchatskiy - RUS Navy - Pacific fleet - “RCC”
DARC	7039,4	1437	03	01	RUS	M	A1A			Cluster beacon – Magadan RUS Navy – „RTS“
DARC	7039,9	ady	dly	01	I	IZ3DVW	A1A			IZ3DVW – beacon - not coordinated
DARC	7044,0	vt	dly	01	RUS	REA4	A1A			only dots, RUS Airforce - Omsk
DARC	7049,5	vt	dly	01	F	F4BXW	FSK8	1250	1750	ALE, amateur net, just for info!
DARC	7051,5	vt	vd	01	BEL	ON0FS	F1B	100	200	Pactor Mailbox - ON0FS - just for info!
DARC	7070,0	vt	dly	01			FSK8	125	1750	ALE, “244”
DARC	7077,3	1900	26	01	RUS		MFSK	2.7	150	JT65 – CQ de RN6MT - just for info!
DARC	7078,0	1415	24	01	RUS		PSK2	120	2600	AT3004D - Moscow
DARC	7082,0	1404	23	01	RUS		PSK2	120	2600	AT3004D -
DARC	7088,8	1400	dly	01	S		CW			CW-trainee from Sweden – just for info!
DARC	7089,6	1342	dly	01	UKR		F1C		550	WX-fax – 60 rpm, IOC 576, 535 Hz shift - Russian Naval Base Sevastopol – daily active
DARC	7098,0	1500	30	01	RUS		F1B	75	250	Kaliningrad
DARC	7099,5	vt	dly	01	HRV	9A0ZG	FSK8	125	1750	ALE, “9A0ZG” – just for info!
DARC	7101,9	0930	07	01	G		F1C		800	WX-fax, 120 rpm, IOC 576, Northwood UK – problem solved by German PTT Konstanz and Ofcom Baldock after 1 hour!
DARC	7102,0	vt	dly	01	EU		FSK8	125	1750	ALE, “F4BXW” “SQ5EBM” “9A0ALE” “9A5EX” – amateur-ALE, just for info!
DARC	7105,0	1219	06	01	RUS		FMCW		10k	Russian OTHR 66.66 pps - Kaliningrad
DARC	7110,5	vt	dly	01	HRV	9A0ALE	FSK8	125	1750	ALE, amateur net, just for info!
DARC	7111,9	vt	dly	01	KWT	no ITU	FSK8	125	1750	ALE, “UDAIRI” “ATFOPS” – UDAIRI = US MIL Camp Buehring / Kuwait

DARC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DARC	7118,0	1125	25	01	RUS		F1B	75	250	St. Petersburg
DARC	7118,0	1431	27	01	RUS ?		FMCW		10k	OTHR 43.5 pps bursts – every 30sec - duration of 1 burst = 6.2 sec
DARC	7139,0	1519	20	01	UKR		PSK2	120	2600	AT3004D - ship, area of Sevastopol
DARC	7140,0	vt	dly	01		no ITU	FSK8	125	1750	ALE, “1101”
DARC	7142,8	1046	17	01	BEL		PSK8	2400	2400	Stanag4285 – 300 bps long - Ostende - Belgium
DARC	7149,0	0745	19	01	RUS		A1A			RGR97, RMW32, RGR95 – RUS MIL
DARC	7153,0	1503	27	01	RUS		PSK2	120	2600	AT3004D - Moscow
DARC	7161,0	1507	22	01						frequency hopper
DARC	7164,0	1417	24	01	RUS		PSK2	120	2600	AT3004D - Chelyabinsk
DARC	7176,0	1404	27	01	RUS		PSK4	120	2600	AT3104D - Severomorsk
DARC	7179,0	0754	27	01	RUS		F1B	75	200	Severomorsk
DARC	7179,0	1428	27	01						frequency hopper
DARC	7184,2	1940	22	01	UKR	UW4I	F1B	45	340	harmonic from 3592,1 - RTTY contest - just for info
DARC	7189,0	1539	20	01	CIS		PSK4	120	2600	AT3104D - QTF difficult
DARC	7193,0	1130	25	01	RUS		F1B	50	200	Kaliningrad
DARC	7198,0	0827	29	01	RUS		PSK2	120	2600	AT3004D - Kaliningrad
DARC	7199,0	1133	25	01	RUS		F1B	75	250	Penza
DARC	10101,7	1357	27	01	EGY	TVVC	F1B	100	170	Sitor A - MFA Cairo calling EGY emba Baghdad “TVVC”
DARC	10117,0	0927	07	01	RUS		PSK2	120	2600	AT3004D - Moscow
DARC	10134,0	vt	dly	01	ALG	no ITU	FSK8	125	1750	ALE, “CM4” “COF” - Algerian Airforce
DARC	10135,0	0945	15	01						frequency hopper
DARC	10135,0	1450	26	01	CYP		FMCW			OTH Radar Cyprus, 50 pps
DARC	10140,0	1619	24	01	TUR		FMCW			OTH Radar south of Istanbul, 50 pps
DARC	10145,0	1109	02	01	CYP		FMCW		20k	OTH Radar Cyprus, 50 pps
DARC	10147,0	vt	dly	01			PSK2	500	500	PSK-MAIL 500 – HAM-Mode – just for info
DARC	10150,0	1437	20	01	CYP		FMCW			OTH Radar Cyprus, 50 pps
DARC	10150,0	0920	30	01			FMCW			unid OTHR, 12.5 pps
DARC	10150,0	vt	dly	01			FSK8	125	1750	ALE, “CFA” “CTA”
DARC	14050,0	0938	14	01			FMCW		10k	OTH Radar – 50 pps bursts
DARC	14220,0	0912	17	01	RUS		FMCW		10k	OTH Radar 50 pps – 2.7 sec bursts - area of Jekaterinburg
DARC	14300,0	0855	28	01	RUS		F1B	50	500	50 Bd – async. – encrypted – 60 deg from DL – weak signal
DARC	14312,0	0845	28	01	RUS		A1A			5 letter and figure groups, 60
DARC	14345,0	0931	04	01	CHN		FMCW		10k	OTH Radar – 40 pps bursts
DARC	18080,0	1018	12	01	CYP		FMCW		20k	OTH Radar Cyprus, 25 pps
DARC	18165,0	1024	22	01	CYP		FMCW		20k	splatter from OTH Radar Cyprus, on 18180 kHz - 50 pps
DARC	21000,0	0901	26	01	RUS	RAZ2	F1B	39	1000	harmonic from 10500 - idling - Mitschurinsk
DARC	21010,0	0840	07	01	CYP		FMCW		20k	OTH Radar Cyprus, 50 pps
DARC	21070,0	0948	20	01						frequency hopper
DARC	21145,0	0852	26	01	CYP		FMCW		20k	OTH Radar Cyprus, 25 pps
DARC	21370,0	0840	10	01	TUR		FMCW		20k	OTH Radar Istanbul, 50 pps
DARC	21370,0	1044	11	01	CYP		FMCW		20k	OTH Radar Cyprus, 25 pps
DARC	21425,0	0840	26	01	CYP		FMCW		20k	OTH Radar Cyprus, 25 pps

IRTS – Ireland – EI4GXB (Ger)

KARS – Kuwait – 9K2RR (Faisal)

MRASZ – Hungary - HA7PL (Laci)

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	DETAILS
MRASZ	7000,0	VT	VD	01	FSK8 (ALE)	Ui	UiMUX	125	1750	BMROPS, MEDOPS, LNGKNF, R213425, R26863, R27078, VENT01, VENT11.
MRASZ	7000,0	VT	VD	01	FSK8 (ALE)	Ui	UiMUX	125	1750	T1CAB UNID
MRASZ	7000,0	VT	VD	01	FSK8 (ALE)	Ui	UiMUX	125	1750	HFCFSR UNID
MRASZ	7000,0	VT	VD	01	FSK8 (ALE)	Ui	UiMUX	125	1750	DEFAULT UNID
MRASZ	7014,0	VT	VD	01	FSK8 (ALE)	Ui	UiMUX	125	1750	XSS
MRASZ	7026,0	VT	VD	01	FSK8 (ALE)	Ui	UiMUX	125	1750	224 – 314 UNID
MRASZ	7045,0	VT	VD	01	FSK8 (ALE)	Ui	UiMUX	125	1750	1???, 2??? 4 FIGURES NET
MRASZ	7061,0	VT	VD	01	FSK8 (ALE)	Ui	UiMUX	125	1750	33?? NET
MRASZ	7070,0	VT	VD	01	FSK8 (ALE)	GEO	UiMUX	125	1750	244-NET: 244 – 00, 204, 334, 514, 686, 494, 571, 288
MRASZ	7081,0	VT	VD	01	FSK8 (ALE)	Ui	UiMUX	125	1750	XSS
MRASZ	7092,0	VT	VD	01	FSK8 (ALE)	Ui	UiMUX	125	1750	2??? NET
MRASZ	7115,0	VT	VD	01	FSK8 (ALE)	Ui	UiMUX	125	1750	RC1, Z21, Z31, 3, 4, 120. UNID.
MRASZ	7115,0	VT	VD	01	FSK8 (ALE)	Ui	UiMUX	125	1750	1???, 2??? 4 FIGURES NET
MRASZ	7116,0	VT	VD	01	FSK8 (ALE)	UZB	UiMUX	125	1750	110-NET UZBEK FORCES
MRASZ	7102,0	VT	VD	01	FSK8 (ALE)	Ui	UiMUX	125	1750	BMROPS UNID
MRASZ	7149,0	VT	VD	01	FSK8 (ALE)	Ui	UiMUX	125	1750	5810
MRASZ	7165,0	VT	VD	01	FSK8 (ALE)	Ui	UiMUX	125	1750	180 – 722. - 580 UNID.
MRASZ	7197,0	VT	VD	01	FSK8 (ALE)	Ui	UiMUX	125	1750	3??? NET
MRASZ	14000,0	VT	VD	01	FSK8 (ALE)	Ui	UiMUX	125	1750	1010 UNID

OEVSV – Austria – OE3DMA (Alex)

PZK – Poland – SP3UZ (Wladyslaw)

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

SOC	KHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
REP	3503	23.20	15	01	I		J3E-L			Italian
REP	3533	07.10	26	01	E		J3E-L			Spanish fishers at sea
REP	3580	21.30	10	01	E		J3E-U			Spanish fishers
REP	3756	02.22	21	01	UKR		A2A			Pulse 25uV S8
REP	7000	00.10	12	01	E		J3E-L			Tuning , ola 25uV S8
REP	7000	21.06	12	01		V	A1A			Marker
REP	7001	00.55	11	01	E		J3E-U			Spanish fishermen 25uV S8
REP	7022	23.21	19	01			J3E-L			Several arabic
REP	7024	22.11	10	01	E		J3E-L			Spanish fishers
REP	7030	22.28	10	01		?	F1B	75	250	
REP	7038,6	22.10	20	01	RUS	S	A1A			MURMANSK 3.1uV S5
REP	7038,7	07.10	16	01	UKR	D	A1A			SEVASTOPOL 25uV S8
REP	7039,0	07.22	23	01	RUS	C	A1A			MOSCOW 6.3uV S6
REP	7039,1	22.17	05	01	RUS	A	A1A			VOLGOGRAD 3.1uV S5
REP	7041	22.36	07	01		?	F1B	75	250	
REP	10106	19.50	29	01			J3E-U			Fishers male voices
REP	10120	19.22	12	01			J3E-U			Fishermen
REP	10131	23.22	11	01			F1B	75	250	
REP	10136	22.22	24	01			J3E-U			Scrambler
REP	14000	07.46	21	01	E		J3E-U			Spanish fishers
REP	14005	07.45	28	01	E		J3E-U			Spanish fishermen
REP	14165	21.17	30	01			J3E-U			English Phone patch talk

RSGB - Great Britain – G4BOH (Chris)

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS
RSGB	7200	2030-2130	DLY	01	IRN	VOIRI BC stn.	A3E	Baldock confirmed details and sent complaint on Nov. 10.
RSGB	7100	1500-1800	DLY	01	PAK	BC	A3E	Azad Kashmir Radio (Radio Pakistan) Baldock aware.

SRAL – Finland – OH2BLU (Pekka)

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	BAUD	SHIFT	REMARKS
SRAL	7008,0	0700-1145	10, 27	1		UiPTR	F1B		250	
SRAL	7014,0	1030-1130	13	1		UiPTR	F1B		250	
SRAL	7018,0	1100-1500	dly	1	RUS	REA4	F1B/A		1000	MR at h+40
SRAL	7030,0	0800-1045	*	1		UiPTR	F1B		250	Days 6, 10, 27
SRAL	7038,7	0630-2000	dly	1	UKR	D	A1A			Sevastopol
SRAL	7038,9	0700-1800	dly	1	RUS	S	A1A			Severomorsk
SRAL	7039,0	0700-2000	21-31	1	RUS	C	A1A			Moscow
SRAL	7044,0	1100-1340	*	1	RUS	REA4	A1B			25 Hz dotter, Omsk, days 1, 5, 6, 27, 31
SRAL	7050,0	1630-1800	31	1		UiBC	A3E			Offset 0 Hz
SRAL	7084,0	1100-1110	20	1		UiPTR	F1B		250	
SRAL	7084,0	1300-1310	20	1		UiPTR	F1B		250	
SRAL	7098,0	0700-1400	*	1	RUS	UiPTR	F1B		250	Days 5, 20, 28, Kaliningrad
SRAL	7100,0	1300-1802	dly	1	PAK	R.Kashmir	A3E			Offset +1 Hz
SRAL	7116,0	1300	29	1	RUS	RJF94	A1A			
SRAL	7118,0	0700-1230	*	1		UiPTR	F1B		200	Days 10, 18 – 20
SRAL	7120,0	1430-1802	dly	1	ERI	VoBME 1	A3E			Offset +26 Hz
SRAL	7120,0	1430-1645	28	1	ETH	Jam				Offset 0 Hz
SRAL	7127,0	0930-1030	6	1	RUS	UiPTR	F1B		250	
SRAL	7127,0	0730-1500	28	1		UiCarr	N0N			
SRAL	7129,0	0945	19	1		UiMUX	J7D	12x120	12x200	
SRAL	7142,0	0730-1330	6, 14	1	RUS	UiPTR	F1B		250	
SRAL	7144,0	0900-1100	*	1		UiMUX	J7D	12x120	12x200	Days 6, 14, 30
SRAL	7149,0	0800	19	1		RMW32	A1A			
SRAL	7164,0	0700-0715	24	1		UiMUX	J7D	12x120	12x200	
SRAL	7165,0	1430-1800	dly	1	ETH	R Ethiopia	A3E			Offset +12 Hz
SRAL	7165,0	1410-1635	*	1	ETH	Jam				Offset 0 Hz, days 28, 29, 31
SRAL	7167,0	0700-1107	1, 19	1		UiPTR	F1B		250/200	
SRAL	7175,0	1300-1804	dly	1	ERI	VoBME 2	A3E			Offset –10 Hz
SRAL	7175,0	1415	31	1	ETH	Jam				Offset 0 Hz
SRAL	7176,0	1250	1	1		UiPTR	F1B			

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	BAUD	SHIFT	REMARKS
SRAL	7179,0	0730-1445	27, 28	1	RUS	UiPTR	F1B		200	Murmansk
SRAL	7185,0	1430-1804	dly	1	ERI	VoBME	A3E			Offset +20 Hz
SRAL	7185,0	1635	28	1	ETH	Jam				Offset 0 Hz
SRAL	7188,0	1200-1500	21, 31	1		UiPTR	F1B		250	
SRAL	7189,0	1310	10	1		UiMUX	J7D	12x120	12x200	
SRAL	7193,0	1130-1300	24	1		UiPTR	F1B		200	
SRAL	7198,0	0800-0815	24, 29	1	RUS	UiMUX	J7D	12x120	12x200	
SRAL	7200,0	0630-2030	dly	1	SDN	R Sudan	A3E			Offset +0 Hz
SRAL	7200,0	1600-1830	dly	1	IRN	IRIB	A3E			Offset abt. +2 Hz/ + 14 Hz, 2 or 3 different transmitters
SRAL	14066,0	1130	30	1		UiMUX	J7D	12x120	12x200	
SRAL	14295,1	0600-1330	dly	1	TJK	R Tojikiston	A3E			3f 4765,05 kHz, Yangiyul TX

USKA – Switzerland – HB9CET (Peter)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH (BW)	DETAILS
USKA	7000.0	1814	01	01		EK9	MFSK8	125	1750	MIL 188-141A TO: GEF
USKA	7000.0	1831	01	01	IRK	LNGKNF	MFSK8	125	1750	MIL 188-141A daily
USKA	7000.0	0036	02	01	IRK	HFCFSR	MFSK8	125	1750	MIL 188-141A daily
USKA	7000.0	0306	02	01	IRK	MEDOPS	MFSK8	125	1750	MIL 188-141A daily
USKA	7000.0	0317	02	01	IRK	EAGLE	MFSK8	125	1750	MIL 188-141A daily
USKA	7000.0	1527	02	01		R92300	MFSK8	125	1750	MIL 188-141A
USKA	7000.0	1807	02	01		R92304	MFSK8	125	1750	MIL 188-141A TO: EAGLE
USKA	7000.0	1506	03	01		R00076	MFSK8	125	1750	MIL 188-141A TO: EAGLE
USKA	7000.0	1600	05	01		R27080	MFSK8	125	1750	MIL 188-141A TO: BMROPS
USKA	7000.0	1610	05	01	IRK	BMROPS	MFSK8	125	1750	MIL 188-141A daily
USKA	7000.0	1512	12	01			J3E-U			english language (after ALE)
USKA	7000.0	2101	17	01			J3E-U			unid language
USKA	7001.6	1419	01	01			FMCW		2900	unid sweep signal (middle east)
USKA	7001.8	1820	13	01			PSK-8	2400	2700	Hybrid similar MIL 188-110
USKA	7018.0	1407	01	01	RUS	REA4	F1B	50	1000	unid (ID in F1A) daily
USKA	7038.7	1410	01	01	UKR	D	A1A			Beacon D Sevastopol daily
USKA	7038.8	2151	03	01	RUS	P	A1A			Beacon P Kaliningrad daily
USKA	7038.9	1411	01	01	RUS	S	A1A			Beacon S Murmansk daily
USKA	7039.0	2153	03	01	RUS		NON			long lasting carrier
USKA	7039.0	1432	24	01	RUS	C	A1A			Beacon C Moscow almost daily
USKA	7039.1	2154	03	01	KGZ	A	A1A			Beacon A Kyrgyzstan daily
USKA	7039.2	2144	03	01	RUS	F	A1A			Beacon F Vladivostok daily
USKA	7039.4	2142	03	01	RUS	M	A1A			Beacon M Magadan daily
USKA	7044.0	2211	05	01	RUS		A1A		50	fast dots PRI 40ms PD 20ms
USKA	7044.0	1418	18	01			OFDM	50	2600	ODFM25 spacing 100Hz 1453qrt
USKA	7050.0	1549	31	01			NON			long lasting carrier
USKA	7070.0	2202	18	01		244	MFSK8	125	1750	MIL 188-141A TO: 571
USKA	7070.0	2205	18	01		244	MFSK8	125	1750	MIL 188-141A TO: 204
USKA	7070.0	0642	20	01		244	MFSK8	125	1750	MIL 188-141A TO: 00
USKA	7070.0	1935	25	01		571	MFSK8	125	1750	MIL 188-141A TO: 244
USKA	7070.0	2141	25	01		334	MFSK8	125	1750	MIL 188-141A TO: 244
USKA	7070.0	0158	26	01		514	MFSK8	125	1750	MIL 188-141A TO: 244
USKA	7088.810	1623	03	01			A1A			cw training emission daily
USKA	7089.6	1428	10	01			F1C	60rpm		Wefax 60rpm IOC 576 daily
USKA	7100.0	1800	16	01	PAK		A3E			Radio Pakistan daily
USKA	7105.0	2206	05	01	CHN		A3E			BC (2 stations) daily
USKA	7105.0	2206	05	01	TWN		A3E			Sound of Hope daily
USKA	7111.9	2249	18	01	KWT	ATFOPS	MFSK8	125	1750	MIL 188-141A
USKA	7111.9	1641	20	01	KWT	UDAIRI	MFSK8	125	1750	MIL 188-141A
USKA	7117.875	1324	26	01			A1A			"A" only, nonsens, CW-Jammer

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH (BW)	DETAILS
USKA	7118.0	1209	26	01			F1B	75	250	unid
USKA	7120.0	1608	14	01	ERI		A3E			Voice of the broad masses daily
USKA	7120.0	1522	31	01			Noise		9 kHz	Jammer often
USKA	7120.0	1659	31	01			Noise		15 kHz	Jammer often
USKA	7138.0	1413	21	01		KOC4	MFSK8	125	1750	MIL 188-141A TO: FOC1
USKA	7138.0	1413	21	01		FOC	MFSK8	125	1750	MIL 188-141A TO: KOC
USKA	7139.0	1534	20	01			J7D	12x120	2700	PSK-2: CIS 12 = AT3004D
USKA	7142.8	1424	13	01			PSK-8	2400	2700	Stanag 4285 Frame format 300bps short
USKA	7142.8	1457	18	01			PSK-8	2400	2700	Stanag 4285 Frame format 600bps long
USKA	7164.0	1404	24	01			J7D	12x120	2700	PSK-2: CIS 12 = AT3004D
USKA	7165.0	1605	14	01	ERI		A3E			Voice of the broad masses daily
USKA	7175.0	1606	14	01	ERI		A3E			Voice of the broad masses daily
USKA	7175.0	1523	31	01			Noise		10 kHz	Jammer often
USKA	7179.0	2143	03	01	RUS		A3E			BC (weak) daily
USKA	7179.0	2132	27	01			F1B	75	200	unid
USKA	7185.0	1607	14	01	ERI		A3E			Voice of the broad masses daily
USKA	7188.0	1323	26	01			F1B	75	250	unid often
USKA	7189.0	1540	20	01			J7D	12x120	2700	PSK-2: CIS 12 = AT3004D
USKA	7200.0	1604	31	01	IRN		A3E		9 kHz	Iran; splattering down to 7195
USKA	10150.0	1446	24	01			FMCW	50pps	20 kHz	OTHR (10140 up) continuous
USKA	14035.7	1048	18	01			OFDM		2400	OFDM 64
USKA	14192.0	1001	17	01			F1A	50	200	unid
USKA	14220.0	0957	17	01			FMCW	50pps	10 kHz	OTHR Bursts PD:2.75 s PRI:30s
USKA	14248.5	1242	31	01			F1B	600	600	unid ARQ often
USKA	14289.0	0956	20	01			F1B	100	250	unid
USKA	18144.8	1410	24	01			PSK-8	2400	2700	MIL 188-110A Frame format 150bps long
USKA	21070.0	1119	13	01			FMCW	25pps	20 kHz	OTHR (21060 up) continuous

Veron 1 – Netherlands – PA0GRU (Dick)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SHIFT	DETAILS
VERON	3553,0	19.57	19	1		Stanag	PSK		Stanag 4285 MIL
VERON	3569,0	19.41	28	1		UiMUX	PSK		12 MPSK
VERON	3608,0	19.53	19	1		UiPtr	F1B	200	Revs, Kaliningrad
VERON	3782,0	19.47	19	1	POR	CTP	F1B	850	POR Navy HQ Lisbon
VERON	7002,0	09.43	6	1		UiCAR	NON		carrier S9+10db
VERON	7008,0	10.02	10	1		UiPtr	F1B	250	Ptr
VERON	7008,0	10.29	10	1		UiCW	A1A		QJB4 QRJ? K/SK
VERON	7017,0	19.37	19	1		UiPtr	F1B	1000	Revs
VERON	7017,5	vt	vd	1	RUS	UiPtr	F1B	1K	Revs
VERON	7018,0	12.36	1	1	RUS	UiPtr	F1B	1000	Revs
VERON	7018,0	19.42	4	1	RUS	UiPtr	F1B	250	Revs
VERON	7018,0	vt	vd	1	RUS	REA4	F1B	1000	14 days, Revs
VERON	7018,0	16.41	5	1	RUS	REA4	F1A	1000	REA4=05160 20173 89360 5F =REA4 K
VERON	7018,0	14.43	11	1	RUS	REA4	F1A	1000	REA4= 5F = REA4 K
VERON	7018,0	12.40	15	1	RUS	REA4	F1A	1000	REA4= 5F= REA4 K
VERON	7018,0	13.40	25	1	RUS	REA4	F1B	1000	Revs
VERON	7018,0	13.42	26	1	RUS	REA4	F1A	1000	REA4=26120 23672 etc REA4 K
VERON	7018,0	18.40	28	1	RUS	REA4	F1A	1000	REA4= 28180 20173 etc 5F
VERON	7036,5	08.30	vd	1	RUS	UiMUX	J7D		12 MPSK, 29 days, 21.24 utc
VERON	7038,7	vt	vd	1	UKR	D	A1A		19 days, beacon Sevastopol, RUS Navy
VERON	7038,9	vt	vd	1	RUS	S	A1A		17 days, beacon Murmansk
VERON	7039,0	vt	vd	1	RUS	C	A1A		11 days, beacon Moscow
VERON	7039,1	15.12	1	1	AZB	A	A1A		beacon A
VERON	7039,2	14.35	vd	1	RUS	F	A1A		3 days, beacon F,
VERON	7039,2	16.18	2	1	RUS	REA4	F1A	1000	REA4=02160 20173 5F=REA4 K
VERON	7039,4	07.25	vd	1	RUS	M	A1A		14.40 utc, beacon Madagan, 6

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SHIFT	DETAILS
									days
VERON	7044,0	22.24	27	1	RUS	UiPtr	F1B		Ptr
VERON	7044,0	18.41	5	1	RUS	REA4	A1A		REA4=05180 20173 5F =REA4 K
VERON	7100,0	15.56	15	1		UiCAR	NON		carrier, S-9
VERON	7105,0	22.23	27	1		UiBC	A3E		speech Chinese
VERON	7109,0	10.31	7	1	UK	WX Fax	F1C		loc Northwood 10.44 qrt after action DK2OM
VERON	7118,0	10.10	10	1		UiPtr	F1B	250	Ptr
VERON	7122,0	16.00	12	1		UiCW	A1A		qsv,qsa-codes, proc
VERON	7127,0	09.48	6	1		UiPtr	F1B	250	Ptr
VERON	7167,0	12.40	1	1		UiPtr	F1B	250	Ptr
VERON	7172,0	08.25	25	1	RUS	UiCW	A1A		strings of cyrillic letters+z- codes ZZD2 K
VERON	7172,0	08.38	25	1	RUS	RIR2	A1A		to RCB94:ZZD K
VERON	7172,0	08.39	25	1	RUS	RCB94	A1A		to RIR2: ZZD...ZNN K
VERON	7175,0	20.15	4	1	Africa	UiBC	A3E		white nosie jammer
VERON	7180,0	10.48	10	1		UiMUX	PSK		12 MPSK
VERON	14071,5	vt	vd	1		UiMUX	J7D		12 MPSK, 20 days
VERON	14110,0	10.10	19	1		UiMUX	PSK		bursts
VERON	14233,0	11.22	19	1		UiMUX	PSK		12 MPSK
VERON	14280,0	10.09	19	1		UiILL	A3E		robot female, 5F Israel?, qrt at 10.16 utc
VERON	14289,0	10.07	20	1		UiPtr	F1B	250	Ptr
VERON	18072,0	10.59	10	1		OTHR	PON		radar, wide
VERON	18080,0	10.01	13	1		OTHR	PON		radar, wide 18073-18095 KHz

Veron 2 – Netherlands – PA0GRU (Dick)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
VERON	3510,0	19.21	19	1		UiPTR	F1B			Ptr
VERON	3540,0	18.44	26	1	EEE	UiILL	J3E-u			Phone Various Spanish male voices
VERON	3606,0	15.35	20	1		UiILL	A3E			Unstable carrier; German songs.music; s3
VERON	3648,0	15.25	20	1		UiPtr	F1B		200	Idling
VERON	3665,0	16.04	13	1		UiMux	PSK8		2k8	Stanag like signals
VERON	3744,0	15.18	20	1		UiPtr	F1B		250	Ptr
VERON	3790,0	15.56	13	1		UiPtr	F1B		200	Idling
VERON	7000,0	15.58	25	1	E	Unlis	J3E-1			Spanish chat; 2 males; no calls
VERON	7018,0	vt	vd	1		UiPTR	F1B			Revs
VERON	7018,0	18.40	26	1	RUS	REA4	F1A			5F (followed by F1B Revs)
VERON	7018,0	vt	vd	1	RUS	UiPtr	F1B		1k	hrd day 6, 19, 20, 25, 26
VERON	7038,7	vt	vd	1	UKR	D	A1A			Beacon Sevastopol; hrd day 6, 13, 25, 26, 29
VERON	7038,9	vt	vd	1	RUS	S	A1A			Beacon Murmansk; hrd day 6,11,13,18,25,26,29
VERON	7039,0	vt	vd	1	RUS	C	A1A			Beacon Moscow; hrd day 25, 26, 29
VERON	7087,7	14.03	18	1		UiPtr	F1B		500	Ptr
VERON	7098,0	13.30	28	1		UiPTR	F1B			Ptr
VERON	7100,0	15.31	11	1		UiBC	A3E			Ui language male speech; weak signal s4
VERON	7100,0	15.46	13	1		UiBC	A3E			male speech, English; s8
VERON	7100,0	15.34	19	1		UiBC	A3E			SE Asian language
VERON	7100,0	15.51	25	1		UiBC	A3E			Music; s6
VERON	7105,0	22.01	15	1	CHN	ChinaRa dio	A3E			female speech, Chineese+music; s7
VERON	7116,0	14.14	15	1						frequency hopper
VERON	7129,9	15.08	20	1		Unlis	J3E-1			Maroc fishery? No calls
VERON	7140,0	15.05	20	1		UiMux	PSK12		2k6	
VERON	7175,0	18.20	3	1		UiBC	A3E			BC (Arab) speech and music,also 9/1
VERON	7175,0	15.04	29	1		Jam				jammer; rushing noise 40k spread

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
VERON	7175,0	vt	vd	1	ERI	VOBME	A3E			E.African speach&music;s8-9;hrd day 6,11,13,25
VERON	7179,8	18.15	27	1		UiPTR	F1B		200	Ptr
VERON	7200,0	vt	vd	1	RUS	R.Rossii	A3E			6 days, Russian, Arab, Chinese speech
VERON	7200,0	20.58	15	1	IRN	IRIB	A3E			male speech, Spanish; s9+
VERON	7200,0	18.24	29	1	IRN	IRIB	A3E			Bosnian speach; s9+
VERON	10130,0	22.01	25	1	CYP	OTHR	PON			50 pps; 20k spread
VERON	10134,8	13.53	18	1		UiPtr	F1B		350	Persitent signals
VERON	10149,9	14.54	18	1		Unlis	J3E-u			Spanish male speaking to "Manolo"
VERON	10150,0	15.16	26	1	G	Unlis	J3E-u			2 px ; English language
VERON	10155,0	15.15	5	1	CYP	OTHR	PON			50pps, 22k spread, so also in 30M band
VERON	14002,8	14.58	5	1		UiCar	NON			Unstable persistent carrier
VERON	14108,3	13.31	18	1		UiMux	PSK8		1k	2*4 channels
VERON	14300,0	14.55	20	1		Unlis	J3E-l			Russian speech, no calls
VERON	18093,1	15.30	25	1		UiPtr	F1B	100	40	Dotter; bad filtered
VERON	18096,3	15.06	11	1		UiCar	A3E			Unstable persistent carrier; modulated 50Hz
VERON	18168,0	15.11	11	1		UiILL	J3E-u			Vocoder

IARUMS Region 1

Many thanks for your interest!

The monitoring team of IARU Region 1

credits:

Wavecom Elektronik – Buelach – Switzerland

SSB-Electronic – Iserlohn – Germany

BAZ – Special Antennas – Bad Bergzabern - Germany

FTS – Funktechnik Seipelt – Hoppegarten - Germany

compiled and published by DK2OM