



Monitoring System

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The monthly newsletter for Region 1

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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 ++ OEVS: OE3DMA – Alex ++ PZK: SP3SUZ – Wladyslaw ++ RAL: OD5RI – Riri ++
++ REP: CT4AN – Jose and CT1JTQ – Angelo ++ RSGB: G4BOH - Chris ++ SARL: ZS1FCS - Fred ++
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++ 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. Less Spanish fishery on our bands

We observed less Spanish fishery traffic on our bands. It seems that Salvador's (EA5DY) efforts have been successful.

2. Propagation on shortwave

Due to often changing ionospheric situations the upper bands were often quiet during the evening hours. The propagation on the lower bands increased in the late noons and allowed to observe worldwide wireless traffic every evening. So I found the Singapore Navy on 10110 kHz transmitting in ALE.

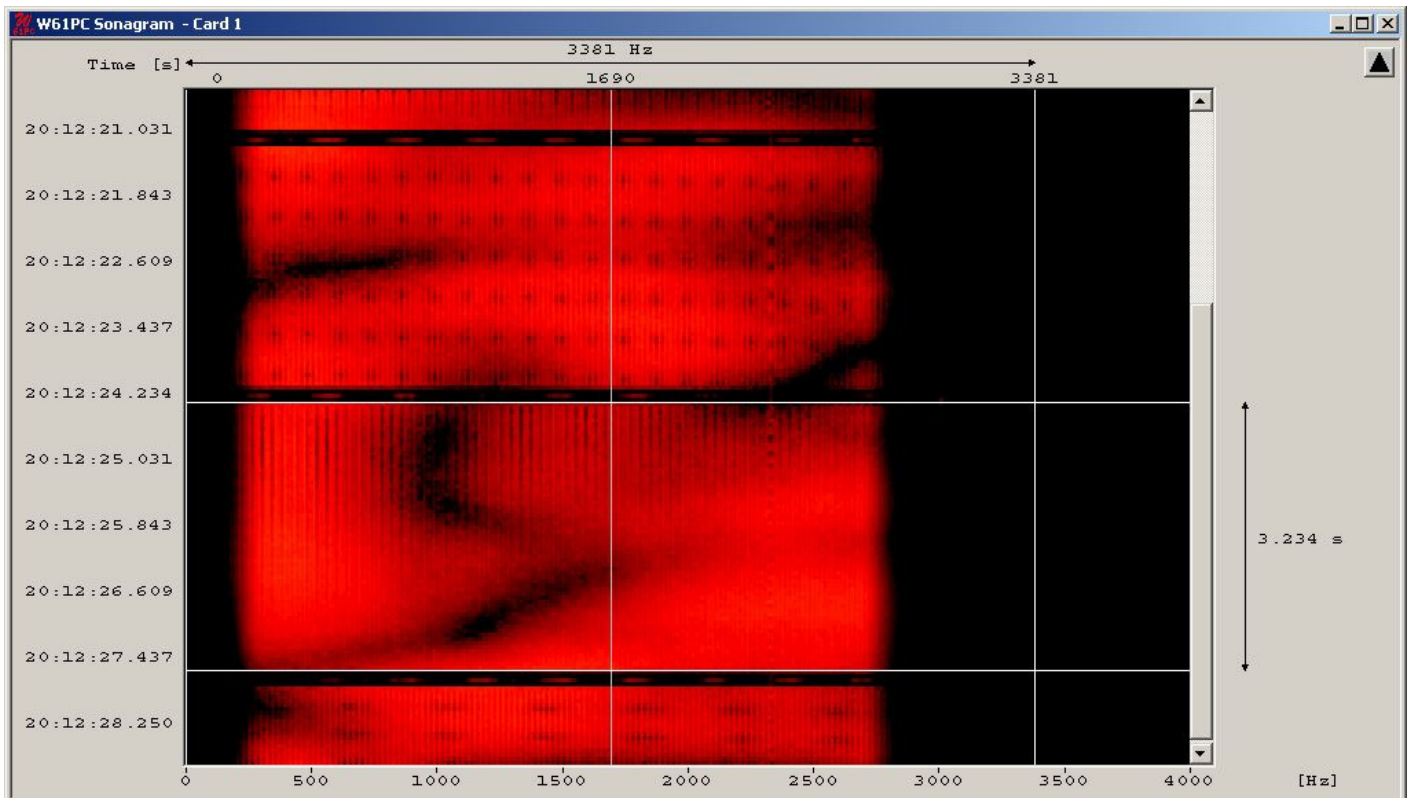
3. Chinese Radar on 7.100 MHz

The Chinese OTH Radar was audible on Nov. 15th at 2025 UTC. Parameters: 43.5 pps, 30 kHz wide.

4. Radar from Australia on 10 MHz

I found an Australian OTH Radar on 10148 (10 kHz wide) on Nov. 17th at 2000 UTC. [Screenshot below!](#)

Australian OTH Radar bursts on 10148 kHz on Nov. 17th at 2000 UTC. Parameters: 10 kHz wide, different pulse rates. Fading visible as dark cloudes. Sonagram with Wavecom W61.



**Merry Christmas and a happy and healthy New Year to all our members and friends!
Many thanks for your assistance and work during 2010. Grateful words to the German PTT (BNetzA)!**



DJ9KR – Uli



DK2OM – Wolf

5. Homepage IARU Region 1 <http://www.iau-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.iau-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 NOVEMBER 2010

Monitoring was limited this month, but nothing unusual was observed. Radio Uganda continued using 7195 kHz during the day. Addis Ababa, the Voice of the Broad Masses, Eritrea, and Khartoum were also prominent on 40 meters.

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

ARSK – Kenya – 5Z4NU (Ted)

H'd by	kHz	UTC	DD	MM	ITU	Identity	Mode	Details
ARSK	6999.0	vt	*	11	E. Africa	59,60,	J3Eu	intrudes into 40 meter band. English, KiSwahili, military? *10, 16,17,
ARSK	7005.0	0921	27	11	ZAI	UiPHONE	J3E	Vernacular.
ARSK	7008.0	vt	*	11	DRC	UiPHONE	J3E/u	Vernacular.*25,
ARSK	7017.0	1447	1	11	F/EAST	UiPHONE	J3Eu	Unidentified language. Possibly Urdu.
ARSK	7025.0	vt	*	11	DRC	UiPHOINE	J3E	Vernacular.*27,
ARSK	7027.0	vt	*	11	DRC	UiPHONE	J3Eu	French, Selcal.*25,
ARSK	7028.0	0837	9	11	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7030.0	0635	10	11	DRC	UiPHONE	J3E	French, vernacular.
ARSK	7040.0	vt	*	11	DRC	UiPHONE	J3E	Vernacular.*27,
ARSK	7057.0	1304	25	11	SOM	UiPHONE	J3Eu	Somalis.
ARSK+	7062.0	vt	*	11	SOM	UiPHONE	J3E	Somalis.*30.
ARSK	7065.0	1145	1	11	DRC?	UiPHONE	J3Eu	Vernacular.
ARSK	7074.0	vt	*	11	SDN	UiPHONE	J3Eu	Phonetcs. NGO? *28,30.
ARSK	7075.0	vt	*		DRC	UiPHONE	J3Eu	French, English, phonetics. *
ARSK	7077.0	1306	25	11	SOM	UiPHONE	J3E	Somalis.
ARSK	7088.0	1442	1	11	DRC?	UiPHONE	Jeu	Vernacular.
ARSK	7092.0	vt	*	11	SOM	UiPHONE	J3Eu	Somalis.*9,
ARSK	7096.0	vt	*	11	SDN	UiPHONE	J3E	Phonertics. Vernacular and English.*10,30.
ARSK	7100.0	1307	25	11	DRC	UiPHOINE	J3Eu	Vernacular.
ARSK	7120.0	1457	16	11	ETH? ERI?	UiPHONE	A3E	Vernacular. Possibly VOBM or Addis Ababa.
ARSK	7120.0	1441	1	11	?	UiPHONE	A3E	Language not identified.
ARSK	7140.0	0750	3	11	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7141.0	0835	9	11	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7145.0	1439	1	11	DRC	UiPHONE	J3Eu	Vernacular.
ARSK	7150.0	0918	27	11	DRC	UiPHONE	J3E	Vernacular.
ARSK	7170.0	vt	*	11	SOM	UiPHONE	J3Eu	Somalis.*3,10,
ARSK	7175.0	vt	*	11	ERI	VOBM?	A3E	Broadcast. *10,16,
ARSK	7185.0	1500	16	11	ERI?	VOBM?	A3E	Broadcast.
ARSK	7195.0	vt	dly	11	UGA	Kampala	A3E	Radio Uganda. Complaint lodged with UCC. Non-compliant.
ARSK	7200.0	vt	dly	11	SDN	Khartoum	A3E	Broadcast in Arabic, Khartoum.
ARSK	21410.0	1318	10	11	CYP	OTHR, Cyprus	?	Akrotiri, radar.

DARC 1 – Germany – DJ9KR (Uli)**PSE observe: BC (A3E) blue coloured!****Spanish fishery: red coloured!**

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	Remarks and Comments
DARC	3500,0	2111	04	11	TUR	names	J3E-U	voice traffic in Turkish voice - Turkish Red Crescent
DARC	3500,0	1423	15	11	G	UiILL	J3E-U	UK fishery, splattering up, heard 15 16 22 at 1423, 2001, 1719
DARC	3500,0	vt	vd	11	E	UiILL	J3E-U	Spanish fishery heard 04 11 at 1900, 1852
DARC	3500,0	vt	vd	11	S	UiILL	J3E-U	Swedish traffic heard 05 10 17 at 1629, 2030, 1543
DARC	3508,0	2040	02	11	RUS	UiILL	J3E-U	Russian voice traffic, male and female persons
DARC	3511,0	1507	13	11	HOL	UiILL	J3E-U	Dutch fishery
DARC	3520,0	1502	17	11	HOL	UiILL	J3E-U	Dutch fishery
DARC	3521,0	1904	29	11	HOL	UiILL	J3E-U	Dutch fishery
DARC	3535,0	vt	vd	11	G	UiILL	J3E-U	UK fishery, very obscene! - heard 01 26 at 2030, 2105
DARC	3535,0	vt	vd	11	HOL	UiILL	J3E-U	Dutch fishery heard 02 23 at 2030, 1735
DARC	3540,0	2047	05	11	E	UiILL	J3E-U	Spanish fishery with "Javier"
DARC	3540,0	1535	09	11	HOL	UiILL	J3E-U	Dutch fishery
DARC	3540,0	0725	18	11	E	UiILL	J3E-U	2 male persons in Spanish voice, "pescado" (= "catch") often mentioned
DARC	3540,0	vt	vd	11	E	UiILL	J3E-U	Spanish fishery with "Angelo" heard 11 17 23 26 at 1851, 1830, 1915, 1840
DARC	3541,0	2042	19	11	E	UiILL	J3E-U	Spanish fishery
DARC	3545,0	1638	29	11	G	UiILL	J3E-U	UK fishery
DARC	3548,0	1921	11	11		UiILL	J3E-U	unid vocoder heard
DARC	3550,0	0717	01	11	F	French Lis Amateurs	A3E	French lis amateurs in AM, daily
DARC	3550,0	0730	02	11	HOL	UiILL	J3E-U	Dutch fishery
DARC	3550,0	2258	10	11	M.Ea	UiILL	J3E-U	M.Ea pirates in Urdu (?)
DARC	3553,0	1458	15	11	N.Eu	UiILL	J3E-U	Scandinavians
DARC	3558,0	2110	08	11	F	UiILL	J3E-U	French fishery
DARC	3560,0	1700	dly	11	KRE	V.o.Korea (North)	A3E	S9-signal
DARC	3566,0	2124	01	11	E	UiILL	J3E-U	Spanish fishery
DARC	3574,0	1443	13	11	E	UiILL	J3E-U	Spanish fishery using vocoder CRY-2001
DARC	3585,0	0210	23	11	MRC	UiILL	J3E-U	Moroccan fishery
DARC	3590,0	2240	04	11	E	UiILL	J3E-U	Spanish fishery
DARC	3600,0	1714	09	11	F	French Lis Amateurs	A3E	AM on CW section, heard F6CNK, F6BFS, F1DLZ (?)
DARC	3610,0	2043	27	11	F	French Lis Amateurs	A3E	AM used with bandwidth of 5 kHz
DARC	3730,0	vt	15	11	S	UiILL	J3E-U	2 Swedisch fishermen chatting, heard 1110 - 1121 k- report DC8RA
DARC	6999,0	vt	05	11		UiILL	J3E-U	2 male persons in English dialect, heard 1130 - 1305
DARC	6999,0	1415	15	11	G	UiILL	J3E-U	UK fishery, splattering up
DARC	6999,0	0920	17	11	E	UiILL	J3E-U	Spanish fishery, splattering up
DARC	7000,0	0145	01	11		UiCAR	N0N	long lasting carrier
DARC	7000,0	1506	03	11	F.Ea	UiILL	J3E-U	unid pirates, Far East?
DARC	7000,0	0810	05	11	I	UiILL	J3E-U	2 male persons in Italian dialect "va bene", heard 0818 - 0811
DARC	7000,0	1740	14	11		UiILL	J3E-L	unid illicit
DARC	7000,0	vt	14	11	I	UiILL	J3E-U	2 male persons in Italian dialect, heard 0737 - 0742
DARC	7000,0	1740	15	11	I	UiILL	J3E-L	Italian traffic heard
DARC	7000,0	vt	15	11	I	UiILL	J3E-U	2 male persons in Italian dialect
DARC	7018,5	1647	22	11	RUS	UiPTR	F1B	fast reversals
DARC	7020,0	1721	05	11	G	UiILL	J3E-U	UK fishery
DARC	7028,0	vt	vd	11		UiBC	A3E	BC-IM heard 11 12 16 at 1923, 1934, 1959
DARC	7040,0	0732	22	11	I	IZ3DVW	A1A	un-coordinated beacon
DARC	7044,0	2140	20	11	RUS	UiPTR	F1B	fast reversals
DARC	7051,0	1727	25	11	RUS	UiMUX	PSK2	location Murmansk, S9+20dB
DARC	7054,0	2115	03	11	RUS	UiPTR	F1B	slightly unstable tone, is RUS MIL Moscow
DARC	7075,0	0707	29	11	ERI	VOBME	A3E	HOA music

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	Remarks and Comments
DARC	7090,0	0707	29	11		UiOTH	P0N	rattling pulses 30 kHz
DARC	7100,0	0635	05	11	CVA	Vatican Radio	A3E	hallelujah, Spanish px heard
DARC	7100,0	1636	28	11		UiILL	J3E-L	unid male voice, no ham!
DARC	7105,0	2022	01	11	TUN	RTV Tunisia	A3E	fundamental found on 7225
DARC	7105,0	vt	05	11	CHN	China Radio Nei Menggu PBS	A3E	s/on Chinese px at 2200, found another Chinese voice stn under Chinese Radio
DARC	7105,0	1945	13	11	TUN	RTV Tunisia	A3E	Ar mx heard, found // 7225 and 7345 - S9+40dB - first heard July 2009
DARC	7105,0	1945	14	11	TUN	RTV Tunisia	A3E	Ar mx heard, found // 7225 and 7345 - S9+40dB - first heard July 2009
DARC	7105,0	2200	26	11	CHN	R.China Intl.	A3E	2 px heard
DARC	7105,0	2050	27	11	TUN	RTV Tunisia	A3E	Ar px heard till 2157
DARC	7105,0	2100	27	11	CHN	R.China Intl.	A3E	2 px heard, s/on px
DARC	7105,0	1957	28	11	TUN	RTV Tunisia	A3E	Ar px, fundamental 7225
DARC	7105,0	2203	30	11	CHN	China Radio	A3E	2 different px in Chinese language
DARC	7117,0	0145	01	11	RUS	REA4	F1B	fast reversals most of the time, heard 1647 - 2038 - is RUS Air Force
DARC	7120,0	1700	02	11	E.Af	UiBC	A3E	2 px at the same time, at 1700 WN-jammer s/on
DARC	7120,0	1731	05	11	ERI	VOBME	A3E	barely audible under white noise jammer
DARC	7120,0	1731	05	11	ETH	ETH Govt Jammer	JAM	white noise jammer to jam VOBME
DARC	7120,0	vt	06	11	E.Af	UiBC	A3E	Ar px heard 1611 - 1802, 1830: nil
DARC	7120,0	vt	06	11	ERI	VOBME	A3E	S8-signal, heard 1450 - 1510
DARC	7120,0	vt	18	11	ERI	VOBME	A3E	HOA music heard 1547 - 1633, S9 - found // 7175 and 7185
DARC	7120,0	1436	19	11		UiBC	A3E	S9+10dB signal, vy weak modulation
DARC	7120,0	vt	20	11	ERI	VOBME	A3E	S8-signal, heard 1610 - 1715, found // 7175
DARC	7120,0	vt	22	11	ERI	V.o.IRIB	A3E	S9+30dB-signal, heard 1643 - 1737 found // 7175 and 7185
DARC	7120,0	1748	23	11	ERI	VOBME	A3E	S9+10dB-signal, found // 7175
DARC	7120,0	1630	28	11	ERI	VOBME	A3E	found // 7175 and 7185
DARC	7125,0	2057	13	11		UiBC	A3E	2 px at the same time heard
DARC	7130,0	0620	04	11		UiBC	A3E	weak English plus another px heard, 0626: nil
DARC	7130,0	1752	23	11		UiBC	A3E	weak signal
DARC	7130,0	1811	25	11	IRN	V.o.IRIB	A3E	completely distorted px S9+10dB, fundamental found on 7200
DARC	7135,0	1748	23	11		UiBC	A3E	1748: active, 1752: nil
DARC	7140,0	0635	05	11		UiBC	A3E	unid BC
DARC	7145,0	0455	04	11		UiBC	A3E	heard 0455 - 0523
DARC	7155,0	0638	01	11		UiBC	A3E	weak signal, found // on 7250
DARC	7155,0	1847	23	11		UiBC	A3E	weak signal
DARC	7165,0	0558	01	11	CVA	Vatican Radio	A3E	IM of 2 QRGs: 1) 7250 English px 2) 7335 Swedish px IM also found on 7420 - till 0627
DARC	7165,0	0612	02	11	CVA	Vatican Radio	A3E	IM: 2 px at the same time: 1) English // 7250 2) Swedish // 7335 - S9+15dB
DARC	7165,0	1656	02	11	ERI	VOBME	A3E	ann. 1559, to 7175 at 1658
DARC	7165,0	vt	04	11	CVA	Vatican Radio	A3E	0530: nil, 0459: carrier, 0600: s/on, 0621: nil - IM of 7250 and 7335
DARC	7165,0	vt	07	11	CVA	Vatican Radio	A3E	heard 0613 till 0619 s/off - found on 7250 (En) and 7335 (Swe)
DARC	7165,0	vt	19	11	CVA	Vatican Radio	A3E	heard with Swedish and English px, also "Laudetur Jesus Christus", S9+20dB max., heard 0612 - 0619 s/off
DARC	7175,0	0558	01	11		UiBC	A3E	heard 0558 - 0638

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	Remarks and Comments
DARC	7175,0	1658	02	11	ERI	VOBME	A3E	from 7165
DARC	7175,0	1659	02	11	ETH	ETH Govt Jammer	JAM	WN-jammer s/on
DARC	7175,0	1610	06	11	ETH	ETH Govt Jammer	JAM	white noise jammer to jam VOBME
DARC	7175,0	1610	06	11	ERI	VOBME	A3E	under heavy jam
DARC	7175,0	1818	11	11	ERI	VOBME	A3E	Ar px S9+35dB, "Eritrea" often mentioned
DARC	7175,0	vt	14	11	ERI	UiBC	A3E	Ar px heard 1758 - 1839
DARC	7175,0	1633	17	11	ERI	VOBME	A3E	Ar mx, S9-signal, found // 7120
DARC	7175,0	vt	17	11	ERI	VOBME	A3E	Ar voice and music, QSB, S9+10dB-signal, "Eritrea" often mentioned
DARC	7175,0	vt	18	11	ERI	VOBME	A3E	HOA music heard 1547 - 1830, S9+10dB - found // 7120 and 7185
DARC	7175,0	0604	19	11		UiBC	A3E	weak signal
DARC	7175,0	vt	19	11	ERI	VOBME	A3E	heard with Ar px and mx, 1436 - 1637
DARC	7175,0	vt	20	11	ERI	VOBME	A3E	S9+10dB-signal, heard 1610 - 1715, found // 7120
DARC	7175,0	vt	22	11	ERI	V.o.IRIB	A3E	S9+30dB-signal, heard 1643 - 1807 (Ar px), found // 7120 and 7185
DARC	7175,0	1748	23	11	ERI	VOBME	A3E	S9+30dB-signal, found // 7120
DARC	7175,0	vt	25	11	ERI	VOBME	A3E	heard 1724 - 1907 - 1701: Arabic px
DARC	7175,0	vt	25	11	ARG	ARG OTH Radar	P0N	heard 1735 - 1907 - short bursts 2 s long every 20 s
DARC	7175,0	1611	26	11	ERI	VOBME	A3E	found // 7120 and 7185
DARC	7175,0	0605	28	11	ERI	VOBME	A3E	HOA music, S8
DARC	7175,0	1630	28	11	ERI	VOBME	A3E	found // 7120 and 7185
DARC	7176,0	2200	13	11		UiPTR	N0N	only carrier left
DARC	7179,0	2145	01	11	RUS	VOR	A3E	Russian px, weak
DARC	7179,0	2131	09	11	RUS	VOR	A3E	IM, Russian px, 6090 x 1089
DARC	7179,0	vt	13	11	RUS	VOR	A3E	Russian px heard 2058 - 2200, at 2156 divine service and church bells ringing (Yevangelskiye Chteniya) - report: DL5SX
DARC	7179,0	vt	14	11	RUS	VOR	A3E	Russian px heard 2058 - 2200, divine service with church bells ringing. At 2000 s/off station
DARC	7179,0	vt	dly	11	RUS	V.o.Russia	A3E	is IM of 6090 and 1089, station Krasnodar-Armavir - report DL5SX
DARC	7185,0	0455	04	11	ETH	ETH Govt Jammer	JAM	white noise jammer to jam VOBME
DARC	7185,0	vt	04	11	ERI	VOBME	A3E	heard under jammer 0455 - 0523
DARC	7185,0	1510	06	11	ETH	ETH Govt Jammer	JAM	white noise jammer to jam VOBME
DARC	7185,0	1633	17	11	E.Af	UiBC	A3E	S8-signal, ERI or ETH
DARC	7185,0	vt	18	11	ERI	VOBME	A3E	HOA music heard 1547 - 1633, S9+10dB - found // 7120 and 7175
DARC	7185,0	vt	22	11	ERI	VOBME	A3E	S9+30dB-signal, heard 1650 - 1737, found // 7120 and 7175, S9+10dB
DARC	7185,0	1611	26	11	ERI	VOBME	A3E	found // 7120 and 7175
DARC	7185,0	1630	28	11	ERI	VOBME	A3E	found // 7120, 7175
DARC	7189,6	0155	06	11	CLN	SLBC Sri Lanka	A3E	Indian film music
DARC	7189,7	0145	01	11	CLN	SLBC Sri Lanka	A3E	heard S8-signal
DARC	7189,7	vt	04	11	CLN	SLBC Sri Lanka	A3E	heard 0222, 0257: nil
DARC	7189,7	0150	23	11	CLN	SLBC	A3E	heard 0150 - 0230 s/off station
DARC	7190,0	0600	01	11		UiBC	A3E	2 px heard: English and unid px
DARC	7190,0	0612	02	11		UiBC	A3E	Dutch and other unid program, IM?

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	Remarks and Comments
DARC	7190,0	1838	19	11		UiBC	A3E	unid BC, weak signal
DARC	7192,0	vt	21	11		UiILL	A3E	net in Italian voice, working in AM, heard 0839 - 0941
DARC	7195,0	2033	29	11		UiBC	A3E	extremely weak
DARC	7200,0	0145	01	11	IRN	V.o.IRIB	A3E	nothing heard, has left QRG and to 7240!
DARC	7200,0	0638	01	11		UiBC	A3E	weak signal
DARC	7200,0	2022	01	11	SDN	R.Omdurman	A3E	BC heard
DARC	7200,0	2119	01	11	IRN	V.o.IRIB	A3E	Spanish px S9+35dB
DARC	7200,0	2127	01	11	IRN	V.o.IRIB	A3E	s/off with piano music
DARC	7200,0	2130	01	11	IRN	V.o.IRIB	A3E	s/on px, 2144: nil
DARC	7200,0	vt	02	11	IRN	V.o.IRIB	A3E	1730 - 1827: Bosnian px S9+40dB
DARC	7200,0	vt	02	11	IRN	V.o.IRIB	A3E	1814 - 1831: Arabic px
DARC	7200,0	vt	02	11	IRN	V.o.IRIB	A3E	2028 - 2130: jingle, piano music, Qur' an recitals, followed by Spanish px
DARC	7200,0	0237	04	11	SDN	R.Omdurman	A3E	0237 s/on: Holy Qur'an recitals heard, S9+15dB, 0241: Huna Omdurman"
DARC	7200,0	1727	05	11		UiBC	A3E	unid BC
DARC	7200,0	2124	05	11	IRN	V.o.IRIB	A3E	Spanish px S9+45dB, heard 2124 - 2130 s/off station
DARC	7200,0	vt	06	11	IRN	V.o.IRIB	A3E	1730 - 1828: Bosnian px S9+45dB
DARC	7200,0	vt	06	11	SDN	R.Omdurman	A3E	transmitting // to V.o.IRIB, heard 1804 - 1832
DARC	7200,0	vt	06	11	SDN	R.Omdurman	A3E	Arabic px heard 1756 - 1900
DARC	7200,0	vt	06	11	IRN	V.o.IRIB	A3E	2029 - 2129: Spanish px, 7300 is announced - not 7200!
DARC	7200,0	0304	07	11	SDN	R.Omdurman	A3E	Arabic px
DARC	7200,0	1725	09	11	IRN	V.o.IRIB	A3E	Farsi px S9+10dB
DARC	7200,0	1730	09	11	IRN	V.o.IRIB	A3E	Bosnian px 1730 - 1827 s/off
DARC	7200,0	1827	09	11	SDN	R.Omdurman	A3E	is audible after V.o.IRIB has s/off
DARC	7200,0	1701	11	11	SDN	R.Omdurman	A3E	Ar px
DARC	7200,0	1743	11	11	IRN	V.o.IRIB	A3E	Bosnian px 1730 - 1831 s/off, S9+25dB
DARC	7200,0	2100	13	11	IRN	V.o.IRIB	A3E	Spanish px and also Farsi language, S9+20dB, found // 5950
DARC	7200,0	2100	14	11	IRN	V.o.IRIB	A3E	Farsi language course and Spanish language S9+20dB, found // 5950
DARC	7200,0	2110	14	11	IRN	V.o.IRIB	A3E	Spanish px heard
DARC	7200,0	vt	14	11	IRN	V.o.IRIB	A3E	Bosnian px heard 1730 - 1830, 1838: nil
DARC	7200,0	0740	17	11		UiBC	A3E	weak signal
DARC	7200,0	1633	17	11	IRN	V.o.IRIB	A3E	Farsi px
DARC	7200,0	1831	17	11	SDN	R.Omdurman	A3E	HOA music and Ar voice, heard 1831 - 1918
DARC	7200,0	1628	18	11	SDN	R.Omdurman	A3E	Ar px, found // V.o.IRIB same QRG
DARC	7200,0	0604	19	11		UiBC	N0N	carrier heard S9+10dB
DARC	7200,0	0757	19	11		UiILL	J3E-U	unid pirates, SSB-USB
DARC	7200,0	1436	19	11		UiBC	A3E	S9+10dB carrier, vy weak modulation
DARC	7200,0	vt	19	11	IRN	V.o.IRIB	A3E	Spanish px heard 2125 - 2127 s/off, S9+30dB
DARC	7200,0	0604	20	11		UiBC	A3E	weak signal
DARC	7200,0	1610	20	11	IRN	V.o.IRIB	A3E	Farsi px S9+10dB
DARC	7200,0	0606	21	11		UiBC	A3E	too weak to identify
DARC	7200,0	vt	25	11	SDN	R.Omdurman	A3E	Qur'an recitals (0531), heard 0531 - 0642
DARC	7200,0	vt	25	11	IRN	V.o.IRIB	A3E	1728: jingle piano music - 1730: Ntl. Anthem, then Bosnian px
DARC	7200,0	1632	28	11	IRN	V.o.IRIB	A3E	Farsi px
DARC	7200,0	1927	29	11	SDN	R.Omdurman	A3E	HOA music S9+30dB
DARC	7200,0	2033	29	11	IRN	V.o.IRIB	A3E	Spanish px heard S9+40dB
DARC	7200,0	vt	30	11	SDN	R.Omdurman	A3E	heard 0250, 0306, 0552, 0815 with Al-Qur'an recitals S9+30dB, ann: "Qumhuriya t'il Sudan"

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	Remarks and Comments
DARC	7200,0	vt	dly	11	SDN	R.Omdurman	A3E	ILG-B10 says - sked: 0245 - 2300, 2300 - 0230 - Arabic px
DARC	7205,0	vt	06	11	RUS	V.o.Russia	A3E	Ge px "Stimme Russlands", harmful splatters into ham band
DARC	10101,0	1442	06	11		UiILL	J3E-U	male English voice "Elizabeth, when do you come aboard?"
DARC	10101,0	vt	06	11	G	UiILL	J3E-U	2 male persons in English voice
DARC	10101,0	1420	07	11		UiILL	J3E-U	unid pirates
DARC	10101,0	2105	12	11	MRC	UiILL	J3E-U	Moroccan fishery
DARC	10110,0	2138	28	11	F.Ea	UiILL	J3E-U	voice traffic mentioning "Malabar"
DARC	10120,0	2304	07	11	E	UiILL	J3E-U	Spanish fishery
DARC	10121,4	vt	06	11	MRC	UiILL	J3E-U	male traffic heard 1606 - 1608
DARC	10130,0	vt	21	11		UiOTH	P0N	chirping pulses S9+30dB, heard 0839 - 1101 (!!!)
DARC	10135,0	1955	17	11		UiBC	A3E	BC-IM
DARC	10142,0	vt	vd	11	E	UiILL	J3E-U	Spanish fishery heard 01 03 at 1640, 1449
DARC	10150,0	2033	10	11	POR	UiILL	J3E-U	persons in Portuguese voice
DARC	14000,0	1455	01	11	INS	UiILL	J3E-U	pirates
DARC	14000,0	1330	04	11	CHN	R.China Intl.	A3E	BC-IM 13710 x 13855
DARC	14000,0	14000	18	11	INS	UiILL	J3E-U	Indonesian pirates
DARC	14000,0	vt	dly	11	CHN	R.China Intl.	A3E	heard 1300 - 1400, is IM of 13710 and 13855, location both tx-ers: Kashi
DARC	14000,7	1518	03	11	S.As	UiILL	J3E-U	Tamil fishery
DARC	14001,3	0932	24	11	Af	UiILL	J3E-U	African pirate net, tribal language, QTE 180 degs.
DARC	14020,0	vt	11	11	IRN	V.o.IRIB	A3E	S8-signal, is IM of 1) 13600 (French) 2) 13810 (Albanian-Sqiptar), heard 0719 - 0730 s/off as 13600 and 13810 are both s/off at 0730, jingle at 0727
DARC	14020,0	vt	12	11	IRN	V.o.IRIB	A3E	S8-signal, is IM of 1) 13600 (French) 2) 13810 (Albanian-Sqiptar), heard 0634 - 0730 s/off as 13600 and 13810 are both s/off at 0730
DARC	14020,0	0643	13	11	IRN	V.o.IRIB	A3E	French px heard with S-8-signal
DARC	14020,0	vt	16	11	IRN	V.o.IRIB	A3E	IM heard with S6, 0655 - 0727
DARC	14020,0	vt	20	11	IRN	V.o.IRIB	A3E	French px with S9, 0634 - 0729 s/off - 0727: jingle
DARC	14020,0	vt	22	11	IRN	V.o.IRIB	A3E	s/on with jingle at 0628, s/off at 0728, S7
DARC	14020,0	0633	23	11	IRN	V.o.IRIB	A3E	IM of 13600 and 13810
DARC	14021,0	0650	04	11	RUS	UiILL	J3E-U	Russian male voice
DARC	14040,0	1729	09	11	E	UiILL	J3E-U	Spanish fishery
DARC	14066,6	1128	06	11	S.As	UiILL	J3E-U	male to female in S.As voice, heard 1128 - 1142
DARC	14232,5	1150	10	11		UiMUX	PSK	AT-3004-D
DARC	14295,1	ady	dly	11	TJK	R. Tajikistan	A3E	is active - is 3f of 4765
DARC	14350,0	vt	vd	11	E	UiILL	J3E-U	Spanish fishery, male and female person, engine noise heard, heard 14 18 at 0911, 0930
DARC	18128,9	1407	28	11		UiBC	A3E	BC-IM
DARC	20999,1	1202	16	11	F.Ea	UiILL	J3E-U	Far East pirates, splattering up
DARC	21000,0	1019	01	11	E	UiILL	J3E-U	Spanish male traffic, heard 1019 - 1024
DARC	21000,0	0914	13	11	F.Ea	UiILL	J3E-L	Far East pirates, SSB-LSB used
DARC	21000,0	1005	24	11	INS	UiILL	J3E-U	Indonesian pirates
DARC	21000,3	0955	24	11	Af	UiILL	J3E-U	African pirate net, tribal language, QTE 180 degs.
DARC	21000,4	0900	17	11	S.As	UiILL	J3E-U	Tamil fishery
DARC	21002,3	102k9	26	11	S.As	UiILL	J3E-U	pirates in Tamil voice
DARC	21022,0	1123	19	11		UiPTR	F1B	S9-signal, is 2f of 10511
DARC	21060,0	1442	19	11	POR	UiILL	J3E-L	2 male persons in Portuguese Voice
DARC	21100,0	0740	17	11		UiOTH	P0N	chirping and rattling pulses 50 kHz spread, S9+30dB
DARC	21119,7	0841	06	11	MRC	UiILL	J3E-U	2 male persons from Morocco
DARC	21125,0	vt	20	11	E	UiILL	J3E-U	2 male persons in Spanish voice, heard 0738 - 0642 s/off
DARC	21190,0	0708	18	11		UiPTR	F1B	is 2f of 10595 kHz

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	Remarks and Comments
DARC	21190,0	0754	29	11		UiPTR	F1B	2f 10595
DARC	21192,0	1123	19	11		UiPTR	F1B	reversals, 2f, S8
DARC	21205,0	0810	25	11		UiOTH	P0N	strings of bubbling signals - new kind of radar?
DARC	21401,0	0930	29	11		UiPTR	F1B	2f 10700,5
DARC	21401,0	0905	30	11		UiPTR	F1B	2f 10700,5
DARC	21410,0	vt	29	11		UiOTH	P0N	S9+20dB-signal 30 kHz spread, heard 0754 - 0802
DARC	21435,0	vt	25	11		UiOTH	P0N	heard 0758 - 0800 s/off - S9+35dB - to 21280
DARC	28015,0	0848	16	11	RUS	Taxi Business	F3E	Taxi Business, female at base stn, male at mobile
DARC	28015,0	1033	22	11	RUS	Taxi Business	F3E	Taxi Business, female at base stn, male at mobile
DARC	28025,0	1030	12	11	RUS	Taxi Business	F3E	Taxi Business, female at base stn, male at mobile
DARC	28035,0	0955	17	11	RUS	Taxi Business	F3E	Taxi Business, female at base stn, male at mobile
DARC	28055,0	0930	17	11	RUS	Taxi Business	F3E	Taxi Business, female at base stn, male at mobile
DARC	28065,0	vt	vd	11	RUS	Taxi Business	F3E	taxis heard 04 11 12 23 at 0924, 0931, 0922, 1039
DARC	28075,0	0932	04	11	RUS	Taxi Business	F3E	Taxi Business, female at base stn, male at mobile
DARC	28085,0	1010	04	11	RUS	Taxi Business	F3E	Taxi Business, female at base stn, male at mobile
DARC	28095,0	1048	04	11	RUS	Taxi Business	F3E	Taxi Business, female at base stn, male at mobile
DARC	28105,0	0932	04	11	RUS	Taxi Business	F3E	Taxi Business, female at base stn, male at mobile
DARC	28110,0	0835	23	11	RUS	Taxi Business	F3E	Taxi Business, female at base stn, male at mobile
DARC	28115,0	1010	04	11	RUS	Taxi Business	F3E	Taxi Business, female at base stn, male at mobile
DARC	28125,0	1033	22	11	RUS	Taxi Business	F3E	Taxi Business, female at base stn, male at mobile
DARC	28125,0	vt	vd	11	RUS	Taxi Business	F3E	Taxi Business heard 11 21 26 at 0927, 0909, 0930
DARC	28135,0	0950	14	11	RUS	Taxi Business	F3E	Taxi Business, female at base stn, male at mobile
DARC	28135,0	0908	21	11	RUS	Taxi Business	F3E	Taxi Business, female at base stn, male at mobile
DARC	28145,0	0949	14	11	RUS	Taxi Business	F3E	Taxi Business, female at base stn, male at mobile
DARC	28155,0	0943	17	11	RUS	Taxi Business	F3E	Taxi Business, female at base stn, male at mobile
DARC	28185,0	0835	23	11	RUS	Taxi Business	F3E	Taxi Business, female at base stn, male at mobile
DARC	28195,0	vt	vd	11	RUS	Taxi Business	F3E	taxis heard 04 19 at 0930, 1208
DARC	28220,0	0929	11	11	RUS	Taxi Business	F3E	Taxi Business, female at base stn, male at mobile
DARC	28235,0	0835	23	11	RUS	Taxi Business	F3E	Taxi Business, female at base stn, male at mobile
DARC	28245,0	1007	01	11	RUS	Taxi Business	F3E	Taxi Business, female at base stn, male at mobile
DARC	28245,0	0932	11	11	RUS	Taxi Business	F3E	Taxi Business, female at base stn, male at mobile
DARC	28245,0	1054	18	11	RUS	Taxi Business	F3E	Taxi Business, female at base stn, male at mobile
DARC	28275,0	0930	17	11	RUS	Taxi Business	F3E	Taxi Business, female at base stn, male at mobile
DARC	28305,0	0942	17	11	RUS	Taxi Business	F3E	Taxi Business, female at base stn, male at mobile
DARC	28675,0	1050	04	11	RUS	Taxi Business	F3E	Taxi Business, female at base stn, male at mobile
DARC	28675,0	1033	22	11	RUS	Taxi	F3E	2 female persons in Russian

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	Remarks and Comments	
						Business			
DARC	28725,0	0941	17	11	RUS	Taxi Business	F3E		Taxi Business, female at base stn, male at mobile
DARC	28735,0	1050	04	11	RUS	Taxi Business	F3E		Taxi Business, female at base stn, male at mobile
DARC	28885,0	0932	04	11	RUS	Taxi Business	F3E		Taxi Business, female at base stn, male at mobile
DARC	28935,0	1010	04	11	RUS	Taxi Business	F3E		Taxi Business, female at base stn, male at mobile
DARC	29215,0	0940	17	11	RUS	Taxi Business	F3E		Taxi Business, female at base stn, male at mobile
DARC	29445,0	0944	17	11	RUS	Taxi Business	F3E		Taxi Business, female at base stn, male at mobile
DARC	29455,0	0958	17	11	RUS	Taxi Business	F3E		Taxi Business, female at base stn, male at mobile
DARC	29485,0	1005	17	11	RUS	Taxi Business	F3E		Taxi Business, female at base stn, male at mobile
DARC	29545,0	1050	04	11	RUS	Taxi Business	F3E		Taxi Business, female at base stn, male at mobile
DARC	29565,0	1049	04	11	RUS	Taxi Business	F3E		Taxi Business, female at base stn, male at mobile

DARC 2- 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	11	POL		A3E			Polish “PIP” – 10 tones – North-Poland – Baltic coast - POL Navy ?
DARC	1876,8	ady	dly	11	G		PSK8	2400	2600	Stanag4285 - 1200 bps long - Scotland
DARC	1896,5	ady	dly	11	D		PSK8	2400	2600	Stanag4285 - 600 bps long - German Navy
DARC	3500,0	vt	dly	11	TUR	no ITU	FSK8	125	1750	ALE, “2015” “2016” “1020”-Turkish Red Crescent - legal
DARC	3501,8	1910	11	11			PSK8	2400	2700	MIL-188-110A
DARC	3503,5	vt	dly	11	G	no ITU	FSK8	125	1750	ALE – “XSS” “XPU” – British MIL Tascomm
DARC	3504,0	0205	23	11	RUS		PSK2	120	2600	AT3004D - Rostov
DARC	3508,0	2003	16	11	RUS		PSK2	120	2600	AT3004D - Velikije Luki
DARC	3520,0	1615	08	11	BIH		PSK8	2400	2600	Stanag4285 - 600 bps long - ship close to BIH
DARC	3522,0	1925	18	11	RUS		F1B	75	250	north of Smolensk
DARC	3527,0	0607	23	11	RUS		F1B	50	200	Severomorsk
DARC	3533,0	vt	dly	11	E	no ITU	FSK8	125	1750	ALE, “TZSC2” “TWBZ1” - Spanish Guardia Civil
DARC	3550,7	vt	vd	11	ISR		PSK4	75	2500	MIL-188-110A - hybrid
DARC	3552,0	vt	dly	11	RUS		F1B	50	200	Far-East-Russia
DARC	3553,8	ady	dly	11	TUR		PSK8	2400	2600	Stanag4285 – TUR MIL - Ankara
DARC	3570,5	1924	04	11	UKR		F1B	81	250	system81-81
DARC	3572,0	2240	25	11	UKR		PSK4	120	2600	AT3104D - north west of Kiev
DARC	3576,2	1500	08	11	G		OFDM	75	2400	OFDM50, South-West England
DARC	3580,0	2000	05	11	RUS		F1B	75	250	Velikiye Luki
DARC	3581,5	1736	02	11	BLR		PSK2	120	2600	AT3004D - East-BLR
DARC	3582,0	2230	01	11						frequency hopper
DARC	3585,0	1700	dly	11	TWN	HLL	F1C			120 rpm, IOC 576, Wxfax - legal!
DARC	3588,0	2055	02	11	BLR		PSK2	120	2600	AT3004D - West-BLR

DARC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DARC	3590,0	vt	dly	11	PAK	no ITU	FSK8	125	1750	ALE, "KW" "BABUR" "KHA" "KHAIBAR" "BADR"
DARC	3590,9	2100	17	11	RUS		OFDM	29.6	2800	OFDM50 - Kaliningrad
DARC	3591,5	1738	05	11	F		OFDM	44.4	1800	OFDM27 - Bordeaux
DARC	3593,0	1847	10	11	RUS		F1B	75	250	west of Moscow
DARC	3595,0	vt	dly	11	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	11	HRV	9A0ALE	FSK8	125	1750	Croatian emergency ALE-net --- for info!
DARC	3596,6	1130	14	11			PSK8	2400	2500	
DARC	3603,0	vt	vd	11	D	DA0EC	PSK8	2000	2000	RFSM 8000 – amateur emergency net - Berlin - legal operation - just for info!!!
DARC	3608,0	vt	dly	11	RUS		F1B	50	200	Kaliningrad
DARC	3611,5	vt	dly	11	D		PSK8	200	500	German APRS Net in Robust Packet - just for info!
DARC	3685,0	0511	23	11	RUS		F1B	50	200	Severomorsk
DARC	3699,5	2005	09	11	RUS		F1B	50	200	Kaliningrad
DARC	3714,0	0615	23	11	E		PSK8	2400	2600	Link11 - SLEW - SW Spain
DARC	3729,5	2102	27	11	UKR		F1B	100	150	Yakhta sychro - Lvov
DARC	3741,0	0714	23	11	G		OFDM	75	2400	OFDM50 – area of Bristol
DARC	3748,0	0218	23	11	RUS		PSK2	120	2600	AT3004D - St. Petersburg
DARC	3753,5	0220	23	11	GRC		PSK8	2400	2600	Link11 - SLEW - ship near Rhodos Island
DARC	3756,0	ady	dly	11	UKR		A3E			UKR – pip – 10 tones
DARC	3782,0	ady	dly	11	POR	CTP	F1B	75	850	POR Navy headquarter Lisbon
DARC	7000,0	vt	dly	11	IRQ	no ITU	FSK8	125	1750	ALE, "MEDOPS" "LNGKNF" "EAGLE" "R23747" - US MIL
DARC	7000,0	vt	dly	11	LBY	no ITU	FSK8	125	1750	ALE, "HQ3" "Ghadames" – Libyan GMRA
DARC	7000,5	0100	26	11	CHN		G7D			Chinese MIL – 39 tones parallel - West-China
DARC	7002,0	1634	02	11						frequency hopper
DARC	7008,0	1416	02	11	RUS		F1B	75	250	Kaliningrad
DARC	7016,0	0540	15	11	GEO		OFDM	35.6	2700	OFDM60 - Georgia
DARC	7016,0	0517	23	11	ARM		OFDM			OFDM93 - Armenia – daily!
DARC	7018,0	vt	dly	11	RUS	REA4	F1B	50	1000	Russian Airforce Moscow
DARC	7026,0	2139	18	11						frequency hopper
DARC	7038,7	ady	dly	11	UKR	D	A1A			Cluster beacon – Sevastopol RUS Navy – "RCV"
DARC	7038,8	ady	dly	11	RUS	P	A1A			Cluster beacon – Kaliningrad RUS Navy – "RMP"
DARC	7038,9	ady	dly	11	RUS	S	A1A			Cluster beacon – Murmansk RUS Navy – „RIT“
DARC	7039,0	ady	dly	11	RUS	C	A1A			Cluster beacon - Moscow RUS Navy - "RIW"
DARC	7039,1	vt	dly	11	KGZ	A	A1A			Cluster beacon – Bishkek RUS Navy –
DARC	7039,2	ady	dly	11	RUS	F	A1A			Cluster beacon - Vladivostok RUS Navy - "RJS"
DARC	7039,3	vt	dly	11	RUS	K	A1A			Cluster beacon - Petropavlovsk Kamchatskiy - RUS Navy - Pacific fleet - "RCC"
DARC	7039,4	1600	02	11	RUS	M	A1A			Cluster beacon – Magadan RUS Navy – „RTS“
DARC	7039,9	ady	dly	11	I	IZ3DVW	A1A			IZ3DVW – beacon not coordinated and unwanted
DARC	7044,0	1825	04	11	RUS	REA4	A1A			only dots, RUS Airforce - Omsk
DARC	7054,0	vt	dly	11	RUS		F1B	50	120	RUS MIL - Moscow
DARC	7078,0	1130	17	11	RUS		PSK2	120	2600	AT3004D - Kaliningrad
DARC	7080,0	0150	23	11	RUS		F1B	50	200	Kaliningrad
DARC	7088,0	0710	30	11	RUS		F1B	75	200	Arkhangelsk
DARC	7094,0	0519	23	11	RUS		OFDM			OFDM93 - Stavropol

DARC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DARC	7096,0	0545	15	11	RUS		OFDM	35.6	2700	OFDM60 - Stavropol
DARC	7100,0	2025	15	11	CHN		P0N		30k	Chinese OTH radar – 43.5 pps 7080 – 7120 kHz
DARC	7101,0	2048	16	11						frequency hopper
DARC	7112,0	vt	dly	11	KWT	no ITU	FSK8	125	1750	ALE, “UDAIRI” - Kuwait
DARC	7122,0	1039	02	11	RUS		PSK2	120	2600	AT3004D - Moscow
DARC	7135,0	2105	28	11			P0N		30k	ocean wave radar 2.5 pps - 7120 - 7150 kHz spread
DARC	7140,0	2220	10	11	MRC	no ITU	FSK8	125	1750	ALE, “1101”
DARC	7153,0	1846	06	11	RUS		F1B	75	200	Caucasus area
DARC	7155,0	0440	26	11	UKR		PSK2	120	2600	AT3004D - Sevastopol
DARC	7167,0	1453	17	11	RUS		F1B	75	250	Kaliningrad
DARC	7175,0	1753	25	11	ARG		P0N		10k	OTH radar 66.66 pps – bursts every 20 seconds - Argentina
DARC	7176,0	0759	02	11	RUS		F1B	75	250	Smolensk
DARC	7179,0	0656	17	11	RUS		F1B	75	200	Russian ship, North Baltic Sea
DARC	7186,0	1534	01	11	RUS		PSK2	120	2600	AT3004D - Severomorsk – also 25.11. at 0540 utc
DARC	7186,0	1456	03	11	RUS		PSK4	120	2600	AT3104D - Severomorsk
DARC	7196,0	0711	01	11	RUS		F1B	75	200	Moscow
DARC	7198,0	2215	10	11	RUS		PSK2	120	2600	AT3004D - Moscow
DARC	10103,0	1525	08	11						frequency hopper
DARC	10110,0	2033	23	11	SNG	no ITU	FSK8	125	1750	ALE, “CN2” “72” – Singapore Navy – Changi Naval Base with frigate “RSS Stalwart”
DARC	10111,0	2139	28	11						frequency hopper
DARC	10112,0	ady	dly	11	TUR		PSK8	2400	2600	Stanag4285 – 600 bps long - Turkish MIL
DARC	10114,8	0740	dly	11	RUS		F1B	100	1000	CIS14 - Moscow
DARC	10115,0	0600	dly	11	RUS		FSK4	96	1500	CIS 14 group - Moscow - dly
DARC	10120,0	2020	23	11	CYP		P0N		20k	OTH radar Cyprus, 25 pps - also 24.11.10
DARC	10120,0	vt	dly	11		no ITU	FSK8	125	1750	ALE, “0001” “9066” “9067”
DARC	10125,0	0240	24	11	TUR		P0N		20k	OTH radar Turkey, Ankara, 50 pps
DARC	10130,0	0713	01	11	RUS		F1B	50	500	Kaliningrad
DARC	10130,0	1647	11	11	CYP		P0N		20k	OTH radar Cyprus, 25 pps
DARC	10130,0	0848	21	11	CYP		P0N		20k	OTH radar Cyprus, 50 pps
DARC	10135,0	0846	04	11	TUR		P0N		20k	TUR OTH radar – Ankara
DARC	10145,0	1708	03	11	CYP		P0N		20k	OTH radar Cyprus, 50 pps
DARC	10148,0	2000	17	11	AUS		P0N		10k	Australian OTH radar - bursts with different pps – 10148 – 1058 kHz spread
DARC	10150,0	1356	07	11	CYP		P0N		20k	OTH Radar Cyprus, 50 pps
DARC	10150,0	0955	15	11			P0N			Superdarn ionospheric radar
DARC	14000,0	vt	dly	11		no ITU	FSK8	125	1750	ALE, “1010”
DARC	14036,0	1509	03	11	RUS	REA4	F1B	50	2000	harmonic from 7018 kHz
DARC	14060,0	vt	dly	11	ISR	no ITU	FSK8	125	1750	ALE, “AAA” “AA1” “E37” - ISR Airforce
DARC	14114,0	0802	02	11			P0N		20k	OTH Radar - 43.5 pps - south west
DARC	14185,0	0906	10	11	ARG		P0N		10k	OTH radar Argentina, 66.66 pps
DARC	14192,0	2039	29	11	RUS		F1B	50	200	Russian Navy Kaliningrad
DARC	14232,5	0718	30	11	RUS		PSK2	120	2600	AT3004D
DARC	14242,0	0535	24	11	RUS		PSK2	120	2600	AT3004D - Omsk
DARC	14270,0	0538	24	11	RUS		PSK2	120	2600	AT3004D - Moscow
DARC	14272,0	0800	02	11	RUS		PSK4	120	2600	AT3104D - Far East-Russia
DARC	14272,0	0832	02	11	UKR		F1B	75	200	Sevastopol
DARC	14308,0	0850	08	11	RUS		F1B	75	500	north of Moscow
DARC	14310,0	1003	08	11			P0N			OTH radar, 10 pps
DARC	14340,0	0959	15	11	ARG		P0N		10k	OTH radar Argentina - 50 pps
DARC	18080,0	1010	04	11	TUR		P0N		20k	TUR OTH radar – South-East Turkey
DARC	18082,7	0750	04	11	CHN		PSK4	75	2300	PRC4+4, idling and traffic
DARC	18100,0	1036	05	11	TUR		P0N		20k	OTH Turkey - 50 pps
DARC	18107,0	vt	dly	11	RUS	RDL	F1B	50	250	Rusian Navy - Moscow

DARC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DARC	21000,0	vt	dly	11						frequency hopper
DARC	21000,0	vt	dly	11	ALG	no ITU	FSK8	125	1750	ALE, "BJ80"
DARC	21000,0	0855	01	11	RUS	RAZ2	F1B	38.4	1000	harmonic from 10500 - idling - Mitschurinsk
DARC	21000,0	0800	04	11	CYP		P0N		20k	OTH radar Cyprus, 50 pps
DARC	21000,0	1030	29	11	CYP		P0N		20k	OTH radar Cyprus, 25 pps
DARC	21009,0	1430	18	11						frequency hopper
DARC	21010,0	0929	17	11	CYP		P0N		20k	OTH Radar Cyprus, 50 pps
DARC	21011,0	1438	17	11						frequency hopper
DARC	21022,0	1155	19	11	RUS		F1B	75	500	Moscow
DARC	21036,0	0801	19	11						frequency hopper
DARC	21090,0	0812	19	11	CYP		P0N		20k	OTH radar Cyprus, 50 pps
DARC	21100,0	0743	17	11	CYP		P0N		20k	OTH radar Cyprus, 50 pps
DARC	21100,0	1054	19	11	RUS	RV?	F1B	50	2000	4th from 5275 kHz, 2th 10550 - RUS Navy
DARC	21160,0	1209	16	11	RUS		F1B	100	2000	harmonic from 5290 (500 Hz shift) - Kaliningrad
DARC	21200,0	1035	23	11	TUR		P0N		20k	OTH radar Istanbul, 50 pps, splattering over +/- 30 kHz
DARC	21295,0	0850	09	11	AUS		P0N		10k	OTH radar Australia, 32.3 pps
DARC	21295,0	0904	09	11						frequency hopper
DARC	21355,0	0812	11	11	CYP		P0N		20k	OTH radar Cyprus, 50 pps
DARC	21360,0	0927	13	11	CYP		P0N		20k	OTH radar Cyprus, 50 pps
DARC	21360,0	1014	18	11	RUS		F1B	75	1250	Far East Russia
DARC	21360,0	1027	18	11						frequency hopper
DARC	21400,0	0916	01	11	RUS		F1B	50	2000	50 Bd async - harmonic from 5350, also on 10700 - west of Jekaterinburg
DARC	21410,0	1003	10	11	CYP		P0N		20k	OTH radar Cyprus, 50 pps
DARC	21415,0	1206	16	11						frequency hopper
DARC	21430,0	0934	02	11	TUR		P0N		20k	OTH radar South-East Turkey - 50 pps
DARC	21445,0	0900	14	11	CYP		P0N		20k	OTH radar Cyprus, 50 pps
DARC	24890,0	0855	08	11			P0N		120k	Ocean surface radar, 2.6 pps - 24600 - 24920

IRTS – Ireland – EI4GXB (Ger)

KARS – Kuwait – 9K2RR (Faisal)

MRASZ – Hungary - HA7PL (Laci)

OEVSV – Austria – OE3DMA (Alex)

PZK – Poland – SP3UZ (Wladyslaw)

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

RSGB - Great Britain – G4BOH (Chris)

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS
RSGB	7200	2030-2130	DLY	11	IRN	VOIRI BC stn.	A3E	Baldock confirmed details and sent complaint on Nov. 10.
RSGB	14260	24H	11+12	11	G	NATO	G7D	STANAG 4285. Mistaken transmission, TX QRT within 5 mins. of Baldock phone call!

SRAL – Finland – OH2BLU (Pekka)

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	REMARKS
SRAL	7000,0	h24	1-4	11		UiCarr	N0N			+12 Hz
SRAL	7008,0	1230-1400	2	11		UiPTR	F1B		250	
SRAL	7012,0	0500-1000	6	11		UiPTR	F1B		250	
SRAL	7014,0	1130-1200	6	11		UiPTR	F1B		250	
SRAL	7018,0	1100-2030	dly	11	RUS	REA4	F1B/A		1000	MR at h+40
SRAL	7027,0	1140	1	11		UiMUX	J7D	12x120	12x200	
SRAL	7036,0	1600-1630	21	11		UiPTR	F1B		250	
SRAL	7038,7	0500-2030	dly	11	UKR	D	A1A			Sevastopol
SRAL	7038,9	h24	dly	11	RUS	S	A1A			Severomorsk
SRAL	7039,0	h24	dly	11	RUS	C	A1A			Moscow
SRAL	7039,1	2000-2030	13, 15	11	KGZ	A	A1A			Bishkek
SRAL	7044,0	1145-2030	dly	11	RUS	REA4	A1B			25 Hz dotter, Omsk
SRAL	7054,0	0500-0800	dly	11	RUS		F1B		200	25 Hz dotter
SRAL	7054,0	1800-2100	dly	11	RUS		F1B		200	25 Hz dotter
SRAL	7072,0	0725	24	11		UiMUX	J7D	12x120	12x200	
SRAL	7090,5	0745	8, 18	11		UiMUX	J7D	12x120	12x200	
SRAL	7098,0	0730-1530	*	11		UiPTR	F1B		200	Days 4, 9, 12, 15, 16, 21
SRAL	7101,0	1420	18	11	RUS	ARJU	A1A			Calls VGI6 etc.
SRAL	7112,0	0625-1430	10, 11	11		UiMUX	J7D	12x120	12x200	
SRAL	7118,0	1000-1200	3, 5	11		UiPTR	F1B		250	
SRAL	7120,0	0915-1145	2	11		UiMUX	J7D	12x120	12x200	
SRAL	7120,0	1400-1800	dly	11	ERI	VoBME 1	A3E			Offset +25 Hz, days 1 to 7 QSY to 7135 or 7150
SRAL	7122,0	1430-1500	11	11	RUS	UiPTR	F1B		250	
SRAL	7127,0	0900-0930	10	11	RUS	UiPTR	F1B		250	
SRAL	7127,0	1230-1300	18	11		UiMUX	J7D	12x120	12x200	
SRAL	7142,0	1000-1300	10, 18	11	RUS	UiPTR	F1B		250	
SRAL	7144,0	1130-1330	10, 16	11		UiMUX	J7D	12x120	12x200	
SRAL	7159,0	1315	14, 16	11		UiPTR	F1B		200	
SRAL	7162,0	1430-1530	17	11		UiPTR	F1B		250	
SRAL	7167,0	1430-1600	17	11		UiPTR	F1B		250	
SRAL	7175,0	1330-2000	dly	11	ERI	VoBME 2	A3E			Offset –10 Hz
SRAL	7176,0	0810	2	11		UiPTR	F1B		250	
SRAL	7179,0	0600-1515	16, 17	11		UiPTR	F1B		200	ship
SRAL	7185,0	1400-1800	dly	11	ERI	VoBME	A3E			Offset +20 Hz
SRAL	7186,0	1340-1630	1, 3	11		UiMUX	J7D	12x120	12x200	Extra carr. on 7184 kHz
SRAL	7188,0	1200-1500	15, 17	11		UiPTR	F1B		250	

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	REMARKS
SRAL	7192,0	1230-1330	3, 5	11		UiPTR	F1B			
SRAL	7196,0	0700-1100	*	11	RUS	RJE56 etc.	A1A			Days 1, 3, 10, 17
SRAL	7198,0	0500-1500	*	11	RUS	UiMUX	J7D	12x120	12x200	Days 3, 7, 8, 9, 20, 22, 28 Severomorsk & Moscow
SRAL	7200,0	0930-2030	dly	11	SDN	R Sudan	A3E			
SRAL	7200,0	1600-1830	dly	11	IRN	IRIB	A3E			Offset abt. +5 Hz
SRAL	10125,0	0900-1230	21	11		UiOTHR	P0N			50 Hz pulses
SRAL	14270,0	0715	30	11		UiMUX	J7D	12x120	12x200	
SRAL	14295,1	0530-1500	dly	11	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	6999.0	1347	15	11			J3E-U		2700	splattering
USKA	7000.00	1421	02	11			N0N			unid often
USKA	7000.0	1124	15	11			J3E-U			Italian; fishery
USKA	7000.0	2503	24	11			J3E-U			Spanish
USKA	7000.0	1503	02	11		LNGKNF	MFSK8	125	1750	MIL 188-141A daily
USKA	7000.0	1819	02	11		MEDOPS	MFSK8	125	1750	MIL 188-141A daily
USKA	7000.0	1847	02	11		EAGLE	MFSK8	125	1750	MIL 188-141A often
USKA	7000.0	1711	07	11		VENT12	MFSK8	125	1750	MIL 188-141A daily
USKA	7000.0	1521	29	11		BMROPS	MFSK8	125	1750	MIL 188-141A
USKA	7006.885	1417	02	11			A1A			nonsens, endless dash and dot's
USKA	7008.0	1417	02	11			F1B	75	250	unid
USKA	7018.0	1409	02	11	RUS	REA4	F1B	50	1000	unid (ID in F1A) daily
USKA	7038.7	1505	01	11	UKR	D	A1A			Beacon D Sevastopol daily
USKA	7038.8	1521	16	11	RUS	P	A1A			Beacon P Kaliningrad daily
USKA	7038.9	1505	01	11	RUS	S	A1A			Beacon S Murmansk daily
USKA	7039.0	1505	01	11	RUS	C	A1A			Beacon C Moscow daily
USKA	7039.1	2251	02	11		A	A1A			Beacon A Astrakhan ? daily
USKA	7039.3	1508	01	11	RUS	K	A1A			Beacon K Petropavlovsk daily
USKA	7039.4	1505	01	11	RUS	M	A1A			Beacon M Magadan daily
USKA	7044.0	1614	03	11			A1A		50	dots only daily
USKA	7053.900	2138	29	11	RUS		A1A			nonsens, endless dash and dot's
USKA	7054.0	2301	02	11	RUS		F1B	50	125	unid
USKA	7054.0	1921	03	11	RUS		F1B	50	200	unid almost daily
USKA	7080.0	2324	18	11			F1B	50	200	unid
USKA	7088.8	1617	16	11			A1A			unid, no ham content daily
USKA	7089.9	1406	30	11			F1C	60rpm		Wefax 60rpm IOC 576 often
USKA	7090.5	2307	02	11			J7D	12x120	2700	PSK-4: CIS 12 = AT3104D
USKA	7097.875	1236	15	11			A1A			nonsens, endless V and K's only
USKA	7098.0	1231	25	11			F1B	40.5	250	CIS 36-50 (also BEE, T600)
USKA	7101.0	1432	23	11			A1A			no ham content, no calls
USKA	7105.0	2254	02	11			A3E			BC: 2 stations (Chinese) daily
USKA	7113.0	0856	30	11			J7D	12x120	2700	PSK-2: CIS 12 = AT3004D
USKA	7117.875	1133	03	11			A1A			nonsens, endless V and K's
USKA	7118.0	1136	03	11			F1B	75	250	unid
USKA	7120.0	1557	03	11			A3E			BC unid (jammed)
USKA	7120.0	1557	03	11			Noise		~15kHz	Jammer
USKA	7120.0	1701	10	11			A3E			BC daily
USKA	7125.0	0910	02	11			J7D	12x120	2700	PSK-2: CIS 12 = AT3004D
USKA	7144.0	0913	10	11			J7D	12x120	2700	PSK-2: CIS 12 = AT3004D
USKA	7144.0	1103	26	11			J7D	12x120	2700	PSK-4: CIS 12 = AT3104D
USKA	7155.0	1503	24	11			J7D	12x120	2700	PSK-2: CIS 12 = AT3004D
USKA	7175.0	1502	01	11			A3E			BC
USKA	7175.0	1601	03	11			Noise		~15kHz	Jammer
USKA	7178.9	0844	16	11			A1A			nonsens, endless V and K's only
USKA	7179.0	2122	15	11			F1B	75	200	unid daily
USKA	7180.0	0911	30	11			FMCW	125 pps	30 kHz	OTHR? (8 ms), from 7165 up

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH (BW)	DETAILS
USKA	7185.0	1711	09	11			A3E			BC: unid (weak) daily
USKA	7186.0	1503	01	11			J7D	12x120	2700	PSK-2: CIS 12 = AT3004D
USKA	7186.0	1503	03	11			J7D	12x120	2700	PSK-4: CIS 12 = AT3104D
USKA	7187.265	1552	03	11			N0N			often interrupted, set over the Piloton of a CIS12 (Jammer)
USKA	7188.0	1057	15	11						Fast dots only
USKA	7195.900	1006	03	11			A1A			nonsens, endless V and K's only
USKA	7196.0	1004	03	11			F1B	75	250	unid
USKA	7198.0	2304	07	11			J7D	12x120	2700	PSK-2: CIS 12 = AT3004Doften
USKA	7200.0	2116	03	11			A3E			BC; spanish
USKA	14116.0	1316	26	11			F1B	50	250	unid
USKA	14153.55	1114	26	11			F1B	50	250	unid (distorted, unstable)
USKA	14192.0	2142	29	11			F1B	50	200	unid
USKA	14222.8	1241	16	11			PSK-8	2400	2800	Stanag 4285, 2400bps short
USKA	14307.0	0938	15	11			FMCW	66.66	10 kHz	OTHR (15ms), Pulse duration 1.8", every 30"
USKA	14337.0	0935	29	10			FMCW	47.6 pps	10 kHz	OTHR (21ms), Pulse duration 2,75", every 30"
USKA	18075.0	0920	30	12			FMCW	25 pps	20 kHz	OTHR (40 ms), from 18065 up
USKA	18160.0	1258	30	12			FMCW	50 pps	20 kHz	OTHR (40 ms), from 18150 up
USKA	21130.0	0918	17	11			FMCW	50 pps	20 kHz	OTHR (20 ms), from 21120 up
USKA	21135.0	0855	16	11			FMCW	50 pps	20 kHz	OTHR (20 ms), from 21125 up
USKA	21400.0	0958	16	11			F1B	47	2000	unid (IM ?)
USKA	28044.0	1203	03	11		TAH	F1B	100	170	ARQ Sitor-A CCIR 476 (IM ?)
USKA	28044.0	1207	03	11		TAH	F1A			2-ton reversals and ident
USKA	28251.8	1225	03	11			PSK-8	2400	2800	Stanag 4285, 2400bps short

Veron 1 – Netherlands – PA0GRU (Dick)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SHIFT	DETAILS
VERON	1877,0	19.05	17	11		OFDM50			
VERON	3522,0	19.45	19	11		UiPTR	F1B		Ptr
VERON	3553,8	19.22	18	11	TUR		PSK		Stanag 4285 MIL
VERON	3553,8	16.50	21	11	TUR		PSK		Stanag 4285 MIL TUR
VERON	3556,6	17.07	21	11		UiPtr	F1B	160	Ptr
VERON	3575,0	15.00	28	11	UK	OFDM50			OFDM50 located S.W. UK
VERON	3576,00	dly	vd	11		OFDM50			3Khz wide, located; SW UK legal
VERON	3590,0	18.15	29	11		UiPTR	F1B		Ptr
VERON	3661,0	20.03	18	11		UiPtr	F1B	250	Ptr
VERON	3741,0	18.25	20	11		UiOTH	PON		2k4 spread; 67pps
VERON	3747,0	21.20	6	11		UiMux	PSK8		2k2 spread
VERON	3770,0	22.45	6	11		UiPtr	F1B	250	Printer
VERON	3782,0	22.41	6	11	POR	UiPtr	F1B	850	Printer Portugese Navy
VERON	3798,0	19.37	22	11		UiMUX	PSK		12 MPSK AT-3004-D
VERON	3798,0	22.37	6	11		UiPtr	F1B	200	Printer
VERON	7017,5	19.08	22	11	RUS	UiPtr	F1B	1K	Revs
VERON	7018,0	19.01	17	11	RUS	UiPtr	F1B	1K	Revs
VERON	7018,0	13.44	18	11	RUS	REA4	F1A	1000	REA4 18130 20069 (etc 5F) = REA4
VERON	7018,0	19.40	19	11	RUS	REA4	F1A		5F (followed by F1B Revs)
VERON	7036,0	16.36	18	11		UiPtr	F1B	250	Revs
VERON	7038,6	22.24	20	11	UKR	D	A1A		Beacon Sevastopol
VERON	7038,7	10.22	vd	11	UKR	D	A1A		21.20 utc, 11 days, beacon D
VERON	7038,9	07.40	vd	11	RUS	S	A1A		17.30 utc, 11 days, beacon S,
VERON	7038,9	vt	vd	11	RUS	S	A1A		S-beacon
VERON	7038,9	22.30	6	11	RUS	C	A1A		Beacon Moscow
VERON	7039,0	vt	vd	11	RUS	C	A1A		C-beacon
VERON	7039,1	15.22	vd	11	AZB	A	A1A		19.34 utc, 4 days, beacon A, Azerbaijan
VERON	7039,1	15.28	10	11	AZB	A	A1A		A-beacon
VERON	7039,2	15.28	10	11	RUS	F	A1A		F-beacon
VERON	7039,2	15.58	20	11	RUS	F	A1A		F-beacon
VERON	7039,3	15.28	10	11	RUS	K	A1A		K-beacon
VERON	7039,4	07.40	vd	11	RUS	M	A1A		17.58 utc, 8 days, beacon M,

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SHIFT	DETAILS
									Magadan
VERON	7043.9	13.48	20	11		UiPtr	F1B	50	dotter
VERON	7044.0	19.50	4	11	RUS	REA4	F1B		Revs Russian Airforce Omsk
VERON	7044.0	15.26	10	11		UiCW	A1A		dotter
VERON	7044.0	14.24	16	11		UiCW	A1A		dotter
VERON	7049.0	19.30	9	11		UiMUX	PSK		12 MPSK AT 3004-D
VERON	7049.0	15.25	20	11					frequency hopper
VERON	7054.0	20.01	18	11	RUS	REA4	F1B	250	Revs
VERON	7054.0	06.45	vd	11	RUS	UiPtr	F1B	250	21.19 utc, 14 days, Revs
VERON	7054.0	vt	vd	11		UiPTR	F1B		Revs/Ptr
VERON	7054.0	22.27	6	11	RUS	UiPtr	F1B	200	Printer
VERON	7054.0	18.18	20	11	RUS	UiPtr	F1B	120	Printer
VERON	7056.0	06.49	1	11		ANDL	A1A		to IZSR: 5BL, 5F, proc
VERON	7056.0	08.18	4	11		ANDL	A1A		
VERON	7056.0	08.20	4	11		ANDL	A1A		to ORAM: calls
VERON	7056.0	08.23	4	11		ANDL	A1A		to 7RY3: calls
VERON	7056.0	08.26	4	11		ANDL	A1A		to VAJT: calls
VERON	7056.0	08.29	4	11		ANDL	A1A		to TRZG: calls
VERON	7056.0	10.15	22	11		YGO5	A1A		to 8BAX, KMTV,CPG1, etc, proc
VERON	7056.0	07.00	23	11		YGO5	A1A		7FO4 de YGO5 QTC K
VERON	7056.0	07.05	23	11		YGO5	A1A		YGO5 219 26 23 ...219=574=pp mm 5BL
VERON	7056.0	08.07	23	11		YGO5	A1A		to IR5A, 7FO4: calls
VERON	7056.0	08.42	24	11		YGO5	A1A		to 7FO4: calls
VERON	7056.0	08.01	25	11		YGO5	A1A		to 8BAX,KMMT, 8L9G,CPG1,7FO4, proc
VERON	7058.0	10.45	4	11		UiPtr	A1A	250	Ptr
VERON	7089.0	18.59	17	11		UiMUX	PSK	2600	PSK8
VERON	7089.0	22.20	20	11					frequency hopper
VERON	7101.0	14.28	16	11		ARJU	A1A		(5BL) Ends "306 QLN K"
VERON	7101.0	14.46	16	11		PJPB	A1A		PJPB 558 34 16 1741 558=
VERON	7101.0	14.00	17	11		ARJU	A1A		to VQI6: calls
VERON	7101.0	14.06	17	11		ARJU	A1A		to VVPW: calls
VERON	7101.0	14.00	18	11		ARJU	A1A		to VQI6, VVPW: calls, v's
VERON	7101.0	14.19	18	11		ARJU	A1A		to VQI6: ARJU 567 34 18 1715 567=ZGL
VERON	7101.0	14.00	19	11		ARJU	A1A		to VQI6, VVPW: calls, proc, also 15.00 utc
VERON	7101.0	21.10	19	11		ARJU	A1A		to VQI6,VVPW: calls
VERON	7101.0	21.11	19	11		PJPB	A1A		PJPB QTA QLX K
VERON	7101.0	15.02	22	11		7YD8	A1A		to XAPD, NKCG: calls, proc
VERON	7101.0	14.12	23	11		7VD8	A1A		to XAPD, calls, proc
VERON	7101.0	14.18	23	11		7VD8	A1A		to NKCG: calls
VERON	7101.0	14.00	26	11		7VD8	A1A		calls, proc, to XAPD, NKCG
VERON	7105.0	22.18	6	11		UiBC	A3E		2 BC same frequency; Chinese speech;s7
VERON	7105.0	22.18	20	11		UiBC	A3E		2 BC same frequency;Chinese speech;s9+
VERON	7142.0	09.43	10	11		UiPtr	F1B	250	Ptr
VERON	7152.8	20.49	6	11		UiPtr	F1B	200	Printer
VERON	7174.5	17.59	20	11	E.Afr.	UiBC	A3E		East African music/songs; s7
VERON	7175.0	19.22	9	11	Africa	UiBC	A3E		speech
VERON	7175.0	18.55	24	11	Africa	UiBC	A3E		music
VERON	7175.0	20.15	19	11		UiBC	A3E		music and speech, also 24/11, 30/11,27/11
VERON	7179.0	15.30	16	11		UiPTR	F1B		Ptr
VERON	7188.0	09.11	15	11		UiPtr	F1B		Ptr
VERON	7193.0	12.17	29	11		UiCW	F1A		XXX (followed by F1B Revs/Ptr)
VERON	7196.0	09.46	10	11		UiPtr	F1B	200	Ptr
VERON	7198.0	19.23	9	11		UiMUX	PSK		12 MPSK AT 3004-D
VERON	7198.0	19.14	22	11		UiMUX	PSK	2600	12 MPSK AT-3004-D
VERON	7198.0	16.21	24	11		UiBC	A3E		speech male
VERON	7198.0	10.06	20	11		UiMUX	PSK		12 MPSK AT-3004-D
VERON	7198.0	23.16	6	11		UiMux	PSK12		3k5 spread
VERON	7200.0	21.10	18	11		UiBC	A3E		music and speech, also 20/11

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SHIFT	DETAILS
VERON	7200,0	18.32	24	11		BC	A3E		Tu'rkische Presseschau
VERON	7200,0	19.15	25	11		BC	A3E		Stimme der Türkei (German)
VERON	7200,0	20.45	6	11	IRN	IRIB	A3E		Spanish speech;s9+
VERON	7200,0	17.56	20	11	IRN	IRIB	A3E		Asian speech; s9
VERON	10112,0	20.02	18	11			PSK	2600	Stanag 4285 MIL
VERON	10112,0	14.02	25	11	TUR	UiMUX	PSK8		Stanag; 2k6 spread
VERON	10130,0	11.55	17	11		UiPTR	F1B		Revs
VERON	10130,0	10.41	29	11		UiPTR	F1B		Ptr Baudot ITA2
VERON	14108,0	13.47	25	11		UiMUX	PSK8		2*PSK4; bursts
VERON	14008,0	10.08	5	11		UiPtr	F1B	200	Ptr
VERON	14103,0	13.44	25	11		UiMUX	PSK8		1k8 spread
VERON	14027,0	14.09	9	11					frequency hopper
VERON	14111,0	14.13	9	11		UiMux	PSK8		1k8 spread
VERON	14220,0	11.40	19	11		UiPtr	F1B	500	Ptr
VERON	14242,0	09.48	10	11		UiMUX	PSK		12 MPSK AT 3004-D
VERON	18085,0	10.39	29	11		UiPTR	F1B		Idling
VERON	18108,0	09.37	18	11		UiPTR	F1B		Ptr
VERON	18124,0	14.43	28	11					frequency hopper
VERON	21022,0	11.38	19	11		UiPtr	F1B	500	Ptr
VERON	21194,0	13.25	25	11					frequency hopper
VERON	21298,0	13.26	25	11					frequency hopper

IARUMS Region 1

Many thanks for your interest!

The monitoring team of IARU Region 1

credits:

Wavecom Elektronik – Buelach – Switzerland

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BAZ – Special Antennas – Bad Bergzabern - Germany

FTS – Funktechnik Seipelt – Hoppegarten - Germany

German PTT (BNetzA = Federal Network Agency)

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