



Monitoring System

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The monthly newsletter for Region 1

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The 23 members of the IARUMS Region 1 Monitoring Team:



Acknowledgements

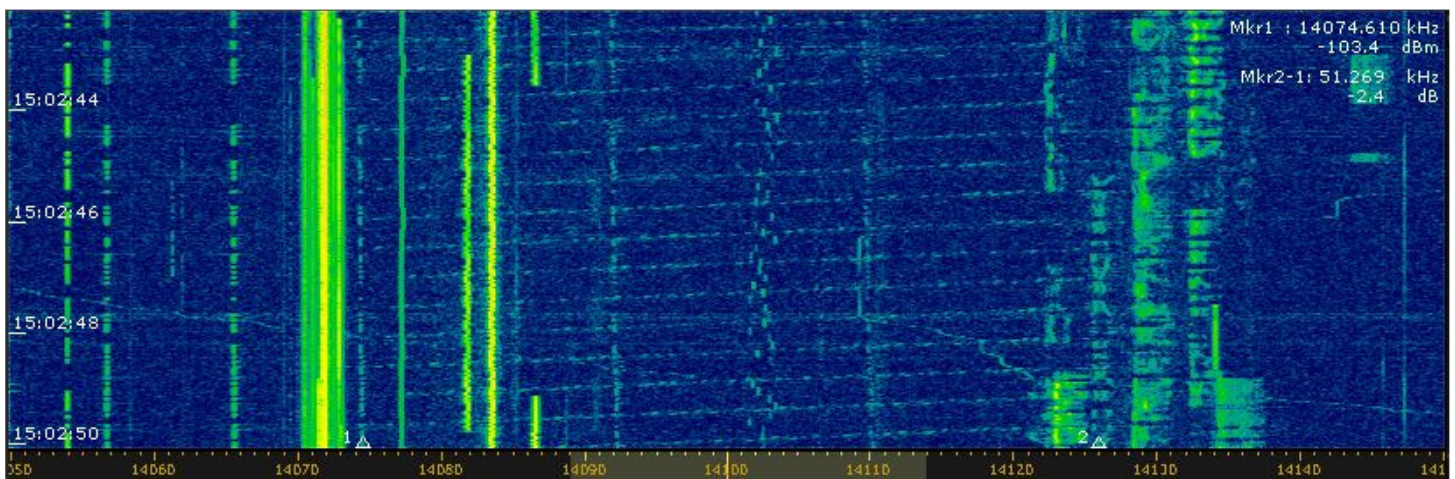
++ ARI: DH7SA – Salvatore ++ ARSK: 5Z4NU - Ted ++ ASTRA: DL1BDF – Mustapha ++ DARC: DJ9KR – Uli ++
++ ERASD: SU1SA – Sayed ++ IRTS: EI4GXB - Ger ++ KARS: 9K2RR – Faisal ++ MARL: 9H1M – Dominic ++
++ MRASZ: HA7PL - Laci ++ NARS: 5N9AYM – Yusuf ++ NRRL: LA4EU – Hans Arne ++ OEVS: OE3GSA – Gerd ++
++ PZK: SP3SUZ – Wladyslaw ++ RAL: OD5MV – Raja ++ REP: CT4AN – Jose ++ RSGB: G4BOH - Chris ++
++ SARL: ZS1FCS - Fred ++ SRAL: OH2BLU - Pekka ++ UBA: ON4VJ - Johnny ++ URE: EA5DY - Salvador ++
++ USKA: HB9CET - Peter ++ VERON: PA2GRU - Dick ++ ZRS: S56ZDB – Darko ++ G3VZV – Graham (satellite) ++
++ TG9ADV – Jorge (Co-ordinator Region 2) ++ VK3MV – Peter (Co-ordinator Region 3) ++ DF8FE – (Webmaster assis.) ++
++ DL8AAM (ALE) ++ DJ7KG (BUOYS) ++ DF5SX (BC) ++ DARC (server support) ++ OD5TE (Hani) ++
++ VE6SH – Tim (IARU President) ++ PB2T – Hans (IARU R1 President) ++ 9A5W - Nikola (EC-IARU-R1) ++
++ PTTs: German (BNetzA), BAKOM (Switzerland), OFCOM (UK) ++ SK6AW – DX-Cluster ++

Part 1: News and Infos



1. **LA4EU** – Hans Arne is the new MS Coordinator of the NRRL (Norway). Welcome to our Monitoring Team dear Hans Arne! Our Monitoring System has now 23 members.
2. **OE3DMA** (Alex) left the OEVSV MS. He had too much QRL and not time enough for supporting our work. His follower is **OE3GSA** (Gerd). Welcome dear Gerd!
3. **CT4AN – Jose reports:**
Spanish fishermen intrudings inside our bands are increasing again, and they do not change the frequencies when requested by Hams.
(They only understand QRM. – remark from DK2OM)
4. **Radio Myanmar on 7 MHz**
Radio Myanmar was observed on 7100, 7105 and 7110 kHz in January.
5. **War on the air on 7 MHz**
The cat and mouse game with Radio Eritrea and Radio Ethiopia was going on. Cat and mouse were daily audible on 2 or 3 QRGs between 7100 and 7200 kHz. I even found them by remote Perseus receivers in Japan, Australia and USA.
6. **Mysterious F1B signals on 29 MHz**
During band openings I found mysterious F1B signals on 29684.7 kHz with 81.9 Bd and 140 Hz shift. The signals came from the Mediterranean Region, the purpose is unknown. Perhaps a kind of navigation system?
7. **7410 kHz – All India Radio repaired**
On Jan. 11th and 12th the transmitter of All India Radio on 7410 kHz was repaired. I observed their efforts, when they switched the transmitter off and on. On Jan. 13th (Friday) the spurious emissions were no longer active. Many thanks again to HB9CET and BAKOM, the German PTT (BNetzA), VU2GMN and VK4TJ for supporting my efforts!
8. **Russian OTH Radars on 14 MHz**
Russian OTH Radars (burst systems) were daily transmitting on 14 MHz with sweeprates of 66.7 and 47.6 sps.
9. **Pirates on 10 and 7 MHz**
I observed Central African pirates on 10102, and Indonesian pirates on 10121 and 10145 (USB) in the evening hours. Indonesian pirates on 7000.0 kHz were audible every evening in Germany and by remote Perseus gears in Japan and Australia. They were transmitting in USB and LSB, chatting, singing and laughing. We were not amused.
10. **Far East or Middle East Coastal Radar on 14 MHz**
I found a Coastal Radar (CODAR like) on 14070 – 14125 kHz on Jan. 23rd, 2 sweeps/sec, probably located in Far or Middle Eeast. The system was audible in Germany, Switzerland, Sri Lanka, UAE and Australia every afternoon at 1500 utc. The German PTT and me took several measurements and bearings. The Swiss BAKOM is informed, too. Wait for further details and results!

screenshot: DK2OM with Perseus



11. **Homepage IARU Region 1** <http://www.iaru-r1.org/>
Homepage IARUMS Region 1 <http://www.iarums-r1.org>
Homepage IARUMS Region 2 <http://www.iaru-r2.org/>
Homepage IARUMS Region 3 <http://www.iaru-r3.org/ms/>

Part 2: Detailed reports from the national Co-ordinators

DD = day *** MM = month *** dly = daily *** vt = various times *** vd = various days *** 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 *** OFDM = orthogonal frequency division multiplex ALE (MIL-188-141A) = automatic link establishment *** MUX = multiplex *** Ui (unid) = unidentified *** Illicit = illegal *** UiLL = 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 *** pps = pulses per second (radar systems) *** sps = sweeps/sec (radar systems FMCW) *** FMCW = frequency modulated continuous wave

ARSK MONITORING OVERVIEW FOR JANUARY 2012

A few weak and unreadable intruders appeared on 40 meters but the usual Somalis appear to have left for good. The broadcasts from Khartoum on 7200 kHz continued as usual. Intruders speaking what is thought to be Portuguese on 7074 kHz may be Mozambique Police.

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

ARSK – Kenya – 5Z4NU (Ted)

H'd by	kHz	UTC	dd	mm	ITU	Identity	MODE	Details
ARSK	7000.0	vt	dly	1	DRC	UiPHONE	J3E	Vernacular, KiSwahili..
ARSK	7070.0	0857	28	1	DRC	UiPHONE	J3Eu	Vernacular,French.
ARSK	7074.0	vt	dly	1	MOZ?	UiPHONE	J3Eu	Vernacular & Portuguese?
ARSK	7075.0	1455	12	1	DRC	UiPHONE	J3E	Vernacuklar, French.
ARSK	7120.0	1945	31	1	?	UiBC	A3E	Unidentified broadcast.
ARSK	7196.0	1555	24	1	?	UiBC	A3E	Unidentified broadcast.
ARSK	7200.0	vt	dly	1	SDN	Khartoum	A3E	Broadcast, Khartoum.

DARC 1 – Germany – DJ9KR (Uli)

Illegal voice traffic, BC transmissions, IM products, harmonics = blue

CLUB	kHz	UTC	DD	MM	ITU	Call Sign	MODE	Remarks and Comments
DARC	3498,0	2242	24	01	UKR	UKR pirate	A3E	Donezk
DARC	3500,0	2004	12	01	I	UiILL	J3E-U	Italian pirates
DARC	3500,0	2107	28	01	G	UiILL	J3E-U	UK fishery
DARC	3500,0	vt	vd	01	E	UiILL	J3E-U	Spanish fishery, heard 22 25 at 1736, 0842
DARC	3500,3	1814	10	01	CIS	CIS pirate	A3E	in AM, unstable carrier
DARC	3500,4	1952	18	01	CIS	CIS	A3E	music, pirate transmission, possibly CIS
DARC	3500,7	1929	13	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3501,4	2012	01	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3501,5	1821	10	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3501,7	2248	13	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3502,5	2055	11	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3502,6	1817	24	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3502,8	1840	23	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3503,0	1720	15	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3503,4	2019	07	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3503,7	1812	07	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3503,8	2051	21	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3505,0	2304	20	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3505,3	2126	06	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3508,8	2054	10	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3509,2	1955	08	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3509,4	1810	22	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3509,7	1932	22	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3515,0	2320	10	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3517,1	1956	08	01	CIS	CIS	A3E	in AM, unstable carrier

CLUB	kHz	UTC	DD	MM	ITU	Call Sign	MODE	Remarks and Comments
DARC	3517,4	2045	20	01	E	UiILL	J3E-L	Spanish fishery, SSB-LSB
DARC	3517,6	2244	01	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3518,3	1737	09	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3519,1	1808	07	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3520,0	1808	12	01	E	UiILL	J3E-U	Spanish fishery, male to female person
DARC	3521,0	2130	17	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3521,4	1613	12	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3527,0	2326	08	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3527,8	1758	16	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3530,6	1819	01	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3533,2	vt	dly	01	CIS	CIS	A3E	pirate, unstable carrier
DARC	3533,3	1802	10	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3534,3	vt	05	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3535,0	2057	11	01	E	UiILL	J3E-U	Spanish fishery
DARC	3536,0	1716	16	01	HOL	UiILL	J3E-U	Dutch fishery
DARC	3537,2	2124	11	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3537,5	vt	05	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3539,0	1818	24	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3540,0	1809	19	01	HOL	UiILL	J3E-U	Dutch fishery
DARC	3540,0	2122	19	01	E	UiILL	J3E-U	Spanish fishery
DARC	3540,2	1948	01	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3540,3	2117	11	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3541,1	1803	10	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3541,4	1802	01	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3542,0	1943	09	01	AUT	UiILL	A3E	BC distorted, location Vienna, pirate?
DARC	3542,4	vt	05	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3542,6	vt	05	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3543,0	2246	01	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3543,2	2048	11	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3543,7	2120	11	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3545,5	2026	12	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3546,6	2049	11	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3550,0	2010	15	01	POR	UiILL	J3E-U	Portuguese pirates
DARC	3550,0	vt	dly	01	F	French Lis Amateurs	A3E	French lis amateurs, daily --- AM in CW section is in contradiction to IARU Bandplan
DARC	3550,0	vt	dly	01	CIS	CIS	A3E	pirate, unstable carrier
DARC	3550,3	1810	07	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3556,0	2246	24	01	RUS	RUS pirate	A3E	Dagestan
DARC	3557,4	2016	01	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3558,0	2028	12	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3560,2	vt	05	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3561,8	2052	11	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3565,0	2039	10	01	F	UiILL	J3E-U	French fishery
DARC	3565,0	1750	16	01	N.Eu	UiILL	J3E-U	Scandinavians
DARC	3565,0	2247	29	01	F	UiILL	J3E-U	French fishery
DARC	3567,2	2121	11	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3568,0	vt	05	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3569,0	2249	24	01	RUS	RUS	A3E	South Ossetia
DARC	3572,0	2254	24	01	UKR	UKR	A3E	Odessa
DARC	3574,8	1553	10	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3575,8	vt	05	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3580,4	2033	18	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3587,6	2002	16	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3589,7	2290	24	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3600,0	1637	dly	01	F	French Lis Amateurs	A3E	French lis amateurs, daily - --- AM in CW section is in contradiction to IARU Bandplan
DARC	3601,6	1958	08	01	CIS	CIS	A3E	in AM, unstable carrier
DARC	3700,0	2030	10	01	E	UiILL	J3E-U	Spanish fishery
DARC	6999,0	1805	09	01	E	UiILL	J3E-U	Spanish fishery, splattering up
DARC	7000,0	1706	25	01	INS	UiILL	J3E-U	Indonesian pirate, also audible in Japan and West USA
DARC	7005,0	1714	24	01	I	UiILL	J3E-L	Italian pirates in SSB-LSB
DARC	7018,0	vt	vd	01	RUS	REA4	F1B	printer, is RUS Air Force Moscow

CLUB	kHz	UTC	DD	MM	ITU	Call Sign	MODE	Remarks and Comments
DARC	7038,7	vt	vd	01	UKR	beacon D	A1A	beacon "D" - Sevastopol
DARC	7038,8	vt	vd	01	RUS	beacon P	A1A	beacon "P" - Kaliningrad
DARC	7038,9	vt	vd	01	RUS	beacon S	A1A	beacon "S" - Murmansk
DARC	7039,0	vt	vd	01	RUS	beacon C	A1A	beacon "C" - Moscow
DARC	7054,0	0046	31	01	RUS	RUS Navy Moscow	F1B	fast reversals, chirpy audio – REA5
DARC	7080,0	1839	14	01	E	UiILL	J3E-U	Spanish fishery
DARC	7095,0	2036	29	01	E	UiILL	J3E-U	Spanish fishery, also using vocoder TRU9000
DARC	7100,0	1624	11	12	ETH	ETH Govt Jammer	JAM	white noise jammer
DARC	7100,0	1507	13	12	ERI	VOBME	A3E	covered by white noise jammer
DARC	7100,0	1725	21	12	ERI	VOBME	A3E	is active
DARC	7100,0	1510	22	01	(BR M)	(R.Myan ma)	A3E	BC and music, weak in EU, strong via VK, 4S7 and JA - could be R.Myanma
DARC	7100,0	0704	26	01		UiMUX	PSK6	ALE heard
DARC	7100,0	0012	27	01	BRM	R. Myanma	A3E	Bible voice "Athmic Yathra" - report HB9CET, comments 4S7VK
DARC	7105,0	2200	vd	01	CHN	Soh Xi Wang Zhi Sheng	A3E	purpose is to jam Sound of Hope on same QRG, 2200 - 2300
DARC	7105,0	2200	vd	01	TWN	Sound of Hope	A3E	just audible under "Soh Xi Wang Zhi Sheng", 2200 - 2300
DARC	7110,0	1540	01	01	ERI	VOBME	A3E	under heavy jam by ETH
DARC	7110,0	1540	01	01	ETH	ETH Govt Jammer	JAM	heavy white noise jam
DARC	7110,0	1625	02	01	ERI	VOBME	A3E	under heavy jam by ETH
DARC	7110,0	1625	02	01	ETH	ETH Govt Jammer	JAM	heavy white noise jam
DARC	7110,0	0527	11	01	ERI	VOBME	A3E	at 0757 : jingle, s/on Arabic px, found // 7175
DARC	7110,0	0305	18	01	ERI	VOBME	A3E	weak signal, found // 7175
DARC	7110,0	1655	22	01	ERI	VOBME	A3E	typical px, under white noise jammer of ETH
DARC	7110,0	1551	25	01	ERI	VOBME	A3E	covered by white noise jammer
DARC	7110,0	0106	28	01	BRM	R.Myan ma	A3E	S.Asian music
DARC	7110,0	0010	31	01	BRM	R.Myan ma	A3E	typical mx heard 0010 - 0038
DARC	7111,0	0041	31	01		UiILL	J3E-U	net in Portuguese voice, SSB-USB used
DARC	7115,0	1630	26	01	ERI	VOBME	A3E	is active
DARC	7115,0	1630	26	01	ETH	ETH Govt Jammer	JAM	white noise jammer on VOBME
DARC	7120,0	1540	02	01	ERI	VOBME	A3E	under heavy wn jammer from ETH
DARC	7120,0	1540	02	01	ETH	ETH Govt Jammer	JAM	heavy wn jammer from ETH
DARC	7120,0	0333	31	01	ERI	VOBME	A3E	Ar px, found // 7175
DARC	7125,0	1752	26	01	IND	All India Radio	A3E	crackling modulation
DARC	7145,0	0333	31	01		UiBC	A3E	unid BC
DARC	7155,0	1752	26	01	IND	All India Radio	A3E	crackling modulation
DARC	7160,0	1625	02	01	ERI	VOBME	A3E	under heavy jam by ETH
DARC	7165,0	1633	30	01	ETH	ETH Govt Jammer	JAM	white noise jammer on VOBME
DARC	7170,0	1752	26	01	ERI	VOBME	A3E	typical HOA music
DARC	7174,0	vt	04	01		UiCAR	N0N	carrier S9+20dB, heard 1648 - 1651 s/off
DARC	7175,0	1707	03	01	ERI	VOBME	A3E	tribal language
DARC	7175,0	1648	04	01	ERI	VOBME	A3E	heard 1648 - 1659

CLUB	kHz	UTC	DD	MM	ITU	Call Sign	MODE	Remarks and Comments
DARC	7175,0	1612	10	01	ETH	ETH Govt. Jammer	JAM	white noise jammer on VOBME
DARC	7175,0	1612	10	01	ERI	VOBME	A3E	audible under wn jammer of ETH
DARC	7175,0	1750	19	01	ERI	VOBME	A3E	heard 1750 - 1800, s/off with song "Yiritriya"
DARC	7175,0	1445	21	01	ETH	ETH Govt. Jammer	JAM	heavy wn jam on VOBME
DARC	7175,0	vt	25	01	ERI	VOBME	A3E	undistorted px, heard 1712 - 1742
DARC	7175,0	1750	30	01	ERI	VOBME	A3E	is active
DARC	7180,0	1540	02	01	ERI	VOBME	A3E	under heavy wn jammer from ETH
DARC	7180,0	1540	02	01	ETH	ETH Govt Jammer	JAM	heavy wn jammer from ETH
DARC	7180,0	1943	18	01	ERI	VOBME	A3E	report 5P8ZY
DARC	7180,0	1725	21	01	ERI	VOBME	A3E	heard 1725 - 1802 s/off with ann.: "Eritriya"
DARC	7180,0	1648	23	01	ERI	VOBME	A3E	typical px, under white noise jammer of ETH
DARC	7182,0	0041	31	01		UiBC	A3E	unid BC
DARC	7185,0	1430	06	01	ETH	ETH Govt Jammer	JAM	white noise jammer
DARC	7185,0	1430	06	01	ERI	VOBME	A3E	covered by white noise jammer
DARC	7189,7	0015	dly	01	CLN	SLBC Sri Lanka	A3E	typical music 0000 - 0200
DARC	7189,9	0038	31	01	CLN	SLBC Sri Lanka	A3E	tabla music
DARC	7190,0	1735	21	01		UiBC	A3E	totally distorted Al-Qur' an recitals, found // 7155
DARC	7190,0	1752	26	01	IND	All India Radio	A3E	crackling modulation, heard 7180 - 7200
DARC	7195,0	1443	26	01	ERI	VOBME	A3E	typical music, ann., heard 1443 - 1502
DARC	7195,0	1336	27	01	IND	All India Radio	A3E	crackling modulation
DARC	7195,0	1555	27	01	ERI	VOBME	A3E	jingle, found // to R.Ethiopia on the same QRG
DARC	7195,0	1555	27	01	ETH	R.Ethiopia	A3E	jingle, found // to VOBME on the same QRG
DARC	7195,0	1644	29	01	ETH	ETH Govt Jammer	JAM	heavy jam by ETH
DARC	7200,0	2124	01	01	IRN	IRIB	A3E	Japanese px S9+25dB
DARC	7200,0	2058	02	01	IRN	IRIB	A3E	s/on with National Anthem, then px in Japanese voice, S9+20dB signal, s/off 2157 - 1st heard 30 October for HFCC B11-saison
DARC	7200,0	0335	03	01	SDN	R.Omdurman	A3E	Ar px, found // with Voice of Justice (IRIB)
DARC	7200,0	1648	04	01	SDN	R.Omdurman	A3E	Ar px completely distorted, at 1702: nil
DARC	7200,0	vt	04	01	IRN	IRIB	A3E	Japanese px S9+25dB heard 2115 - 2141
DARC	7200,0	1518	11	01	AFG	Ntl.Radio of Afghanistan	A3E	s/off, followed by Indian film music, 1528: ann
DARC	7200,0	1936	13	01	SDN	R.Omdurman	A3E	Ar px
DARC	7200,0	1520	14	01	SDN	R.Omdurman	A3E	Al-Qur'an recitals
DARC	7200,0	vt	17	01	AFG	Ntl.Radio of Afghanistan	A3E	Indian music, English ann.: "This is National Radio of Afghanistan", ann. tx-ing QRG "6100 kHz", heard 1528 - 1630 s/off, S9+15dB
DARC	7200,0	1658	21	01	ETH	R.	A3E	ann.: "External Service of R.Ethiopia",

CLUB	kHz	UTC	DD	MM	ITU	Call Sign	MODE	Remarks and Comments
						Ethiopia		found // with VOBME
DARC	7200,0	1658	21	01	ERI	VOBME	A3E	at 1700 s/on French px
DARC	7200,0	0240	28	01	SDN	R.Omdurman	A3E	Quran recitals
DARC	7200,0	0429	28	01	IRN	IRIB	A3E	jingle
DARC	7200,0	0337	31	01	IRN	Voice of Justice	A3E	ann: "This is the Voice of Justice from Tehran", distorted and crackling modulation, dumb modulation
DARC	7200,0	2100	dly	01	IRN	IRIB	A3E	s/on with National Anthem, then px in Japanese voice, S9+20dB signal, s/off 2157 - 1st heard 30 October for HFCC B11-saison
DARC	7210,0	0106	28	01	RUS	Voz de Russia	A3E	Spanish px, splattering vy much down into ham band
DARC	7210,0	0322	dly	01	RUS	Voz de Russia (V.o.Russia)	A3E	Sp px, compl. distorted and wide banded, FM, S9+30dB, splatters down into ham band
DARC	7210,9	0046	31	01	RUS	Voz de Russia	A3E	harmful splatters, wobbling carrier
DARC	10101,0	1844	28	01	INS	UiILL	J3E-U	Indonesian pirate net
DARC	10102,0	vt	vd	01	CTI	UiILL	J3E-U	Korean ships, heard 19 20 28 29 at 1924, 1838, 1750, 1741
DARC	10105,0	1928	26	01		UiBC	A3E	BC-IM, exact QRG is 10105,086 kHz
DARC	10121,0	1509	02	01	F.Ea	UiILL	J3E-U	Far East pirate net
DARC	10121,3	2020	dly	01	F.Ea	UiILL	J3E-U	Far East pirates
DARC	10123,0	1934	dly	01	MRC	UiILL	J3E-U	Moroccan fishery
DARC	10125,0	vt	vd	01	MRC	UiILL	J3E-U	Moroccan fishery, heard 14 22 at 2027, 1650
DARC	10130,0	2026	dly	01	MRC	UiILL	J3E-U	Moroccan fishery
DARC	10135,0	1550	25	01	MRC	UiILL	J3E-U	Moroccan fishery
DARC	10135,0	1830	dly	01	E	UiILL	J3E-U	Spanish fishery, Spanish dialect
DARC	10145,0	1747	25	01	F.Ea	UiILL	J3E-U	pirates from Far East
DARC	10150,0	1746	25	01	E	UiILL	J3E-U	Spanish fishery
DARC	10150,0	1704	dly	01	F.Ea	UiILL	J3E-U	Far East male net
DARC	10150,0	1813	dly	01	E	UiILL	J3E-U	Spanish and Moroccan fishery
DARC	14000,0	0919	dly	01	MRC	UiILL	J3E-U	Moroccan fishery
DARC	14000,0	1800	dly	01	INS	UiILL	J3E-U	Far East pirates, singing and fooling around, heard 1500, 1800
DARC	14077,0	1650	27	01	CIS	UiILL	J3E-U	2 male persons in Russian voice
DARC	14295,1	1500	dly	01	TJK	R.Tajikistan	A3E	3f de 4765, daily heard 0827 - 1000, 1500
DARC	21000,0	vt	dly	01	E	UiILL	J3E-U	Spanish fishery
DARC	21007,7	vt	dly	01	MRC	UiILL	J3E-U	Moroccan fishery
DARC	21012,0	vt	dly	01	MRC	UiILL	J3E-U	Moroccan fishery
DARC	21130,0	0825	17	01	CYP	OTH-Radar	FMCW	reported by DJ9KR
DARC	21275,0	0906	17	01	CYP	OTH-Radar	FMCW	40 kHz spread
DARC	21400,0	1356	27	01		OTH-Radar	FMCW	first big carrier, then OTH-Radar, 30 kHz spread
DARC	21410,5	0903	17	01	RUS	UiPTR	F1B	only dashes, 100 dashes / min, later printer
DARC	28000,0	vt	30	01	CYP	OTH-Radar	FMCW	reported by Mario, DG0JBJ
DARC	28005,0	1118	27	01	TUR	UiILL	F3E	Turkish CB-ers
DARC	28025,0	0830	03	01	CYP	OTH-Radar	FMCW	reported by Mario, DG0JBJ
DARC	28050,0	0945	05	01	CYP	OTH-Radar	FMCW	reported by Mario, DG0JBJ
DARC	28055,0	vt	dly	01	RUS	UiTAXI	F3E	Novosibirsk
DARC	28070,0	1014	29	01	RUS	UiTAXI	F3E	Yakutsk
DARC	28085,0	1730	18	01	I	UiILL	A3E	Italian CB-ers
DARC	28090,0	vt	dly	01	RUS	UiTAXI	F3E	Rostov na Donu
DARC	28100,0	1120	01	01	CYP?	OTH-Radar	FMCW	reported by Mario, DG0JBJ
DARC	28100,0	vt	30	01	CYP?	OTH-Radar	FMCW	reported by Mario, DG0JBJ

CLUB	kHz	UTC	DD	MM	ITU	Call Sign	MODE	Remarks and Comments
DARC	28105,0	vt	dly	01	RUS	UiTAXI	F3E	Novosibirsk
DARC	28130,0	vt	dly	01	RUS	UiTAXI	F3E	Rostov na Donu
DARC	28145,0	vt	dly	01	UZB	UiTAXI	F3E	St. Petersburg
DARC	28165,0	vt	dly	01	RUS	UiTAXI	F3E	Irkutsk
DARC	28175,0	1921	19	01	E	UiILL	A3E	Spanish CB-ers
DARC	28175,0	vt	dly	01	KAZ	UiTAXI	F3E	Ceskemken, Kasachstan
DARC	28185,0	vt	dly	01	UKR	UiTAXI	F3E	Cernovice
DARC	28185,0	vt	dly	01	RUS	UiTAXI	F3E	Omsk
DARC	28190,0	vt	dly	01	RUS	UiTAXI	F3E	Chelyabinsk
DARC	28200,0	0835	12	01	CYP?	OTH-Radar	FMCW	reported by Mario, DG0JBJ
DARC	28245,0	vt	dly	01	UZB	UiTAXI	F3E	Tashkent
DARC	28255,0	vt	dly	01	RUS	UiTAXI	F3E	St. Petersburg
DARC	28270,0	1030	03	01	CYP	OTH-Radar	FMCW	reported by Mario, DG0JBJ
DARC	28275,0	vt	dly	01	RUS	UiTAXI	F3E	Nizhniy Novgorod
DARC	28285,0	vt	dly	01	RUS	UiTAXI	F3E	Perm
DARC	28285,0	vt	dly	01	UKR	UiTAXI	F3E	Kiev
DARC	28290,0	1120	27	01	FNL	MD4	F3E	CB-er from Finland
DARC	28290,0	1120	27	01	FNL	CFL	F3E	CB-er from Finland
DARC	28300,0	vt	dly	01	RUS	UiTAXI	F3E	Rostov na Donu
DARC	28305,0	vt	dly	01	RUS	UiTAXI	F3E	Ufa
DARC	28330,0	vt	24	01	CYP	OTH-Radar	FMCW	reported by Mario, mirror of 28280, report DG0JBJ
DARC	28380,0	vt	24	01	CYP	OTH-Radar	FMCW	reported by Mario, DG0JBJ
DARC	28450,0	vt	23	01	CYP	OTH-Radar	FMCW	reported by Mario, DG0JBJ
DARC	28690,0	vt	03	01	CYP	OTH-Radar	FMCW	0750 - 0825, DG0JBJ
DARC	28700,0	vt	30	01	CYP	OTH-Radar	FMCW	reported by Mario, DG0JBJ
DARC	28720,0	vt	12	01	CYP	OTH-Radar	FMCW	heard 0830 - 0850, mirror of 28770, reported by DG0JBJ
DARC	28735,0	vt	dly	01	RUS	UiTAXI	F3E	Yekaterinburg
DARC	28755,0	vt	dly	01	RUS	UiTAXI	F3E	Perm
DARC	28770,0	vt	12	01	CYP	OTH-Radar	FMCW	heard 0830 - 0850, reported by DG0JBJ
DARC	28790,0	vt	dly	01	RUS	UiTAXI	F3E	Samara
DARC	28820,0	vt	12	01	CYP	OTH-Radar	FMCW	heard 0830 - 0850, mirror of 28770, reported by DG0JBJ
DARC	28835,0	vt	dly	01	RUS	UiTAXI	F3E	Rostov na Donu
DARC	28855,0	vt	dly	01	RUS	UiTAXI	F3E	Nizhniy Novgorod
DARC	28925,0	vt	dly	01	RUS	UiTAXI	F3E	Orenburg
DARC	29015,0	vt	dly	01	RUS	UiTAXI	F3E	Moscow
DARC	29015,0	vt	dly	01	RUS	UiTAXI	F3E	Rostov na Donu
DARC	29025,0	1031	29	01	RUS	UiTAXI	F3E	Anadyr
DARC	29055,0	vt	dly	01	UKR	UiTAXI	F3E	Kiev
DARC	29075,0	vt	dly	01	RUS	UiTAXI	F3E	Moscow
DARC	29075,0	vt	dly	01	RUS	UiTAXI	F3E	Ufa
DARC	29075,0	vt	dly	01	RUS	UiTAXI	F3E	Omsk
DARC	29100,0	vt	23	01	CYP	OTH-Radar	FMCW	reported by Mario, DG0JBJ
DARC	29110,0	0845	03	01	CYP	OTH-Radar	FMCW	reported by Mario, DG0JBJ
DARC	29125,0	1044	29	01	RUS	UiTAXI	F3E	Pevek
DARC	29170,0	1049	29	01	RUS	UiTAXI	F3E	Atyrau
DARC	29215,0	1102	29	01	KAZ	UiTAXI	F3E	Aldan
DARC	29290,0	vt	27	01	CYP	OTH-Radar	FMCW	reported by Mario, DG0JBJ
DARC	29370,0	0755	04	01	CYP	OTH-Radar	FMCW	reported by Mario, DG0JBJ
DARC	29385,0	vt	dly	01	RUS	UiTAXI	F3E	Moscow
DARC	29405,0	vt	dly	01	RUS	UiTAXI	F3E	Rostov na Donu
DARC	29530,0	0715	03	01	CYP	OTH-Radar	FMCW	reported by Mario, DG0JBJ

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) – SPS = sweeps/sec (radar)**

DARC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DARC	1812,0	vt	vd	01	POL		A3E			Polish “PIP” – 10 tones – navigation system - North-Poland – Baltic coast - POL Navy – legal operation
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” “3010”- Turkish Red Crescent - legal
DARC	3503,4	2030	12	01	ISR		PSK4	75	2200	MIL-188-10A hybrid modem
DARC	3503,5	vt	dly	01	G	no ITU	FSK8	125	1750	ALE – “XSS” “XPU” – British MIL Tascomm
DARC	3506,0	2041	06	01						frequency hopper
DARC	3506,5	1720	30	01	RUS		F1B	50	250	St. Petersburg
DARC	3510,0	vt	dly	01	ALG	no ITU	FSK8	125	1750	ALE, “JE30” “PT30”
DARC	3512,0	1650	25	01	RUS		PSK2	120	2600	AT3004D -
DARC	3517,0	1802	25	01	UKR		PSK2	120	2600	Black Sea coast
DARC	3517,8	1545	10	01			PSK8	2400	2400	MIL-188-110A
DARC	3522,0	1708	20	01	RUS		F1B	75	250	east of Kaliningrad
DARC	3526,0	1722	15	01	RUS		PSK2	120	2600	AT3004D - Velikije Luki
DARC	3527,0	1900	dly	01	RUS		F1B	50	200	Severomorsk - daily
DARC	3529,0	1811	22	01						frequency hopper
DARC	3532,0	2105	11	01	ALG	no ITU	FSK8	125	1750	ALE, “UN3” “VQ30”
DARC	3533,0	vt	dly	01	E	no ITU	FSK8	125	1750	ALE, “TZSC2” “TWBZ1” - Spanish Guardia Civil
DARC	3533,5	2112	11	01			A1A			only dashes
DARC	3542,0	1932	13	01	RUS		PSK2	12	2600	AT3004D - submode idling - St. Petersburg
DARC	3545,0	vt	dly	01	ALG	no ITU	FSK8	125	1750	ALE, “FL49” “FL57” “PT50” - ALG MIL + voice traffic USB and scrambler
DARC	3548,0	2129	16	01	RUS		F1B	50	200	Central Russia
DARC	3553,8	ady	dly	01	TUR		PSK8	2400	2400	Stanag4285 – TUR MIL - Ankara
DARC	3557,0	2249	13	01						frequency hopper
DARC	3557,0	1955	18	01	RUS		F1B	75	250	Vologda
DARC	3558,0	vt	dly	01			FSK8	125	1750	ALE, “102” “206”
DARC	3560,0	1529	16	01	RUS		PSK2	120	2600	AT3004D - St. Petersburg
DARC	3561,0	1922	19	01	RUS		F1B	75	250	Smolensk
DARC	3561,8	1805	10	01			PSK8	2400	2400	Link11 SLEW
DARC	3565,5	1644	12	01	RUS		F1B	100	200	Kaliningrad
DARC	3570,5	2045	13	01	BLR	ERK	F1B	81	125	West-Belorussia
DARC	3572,5	1734	14	01	F		OFDM	44.4	1800	OFDM28 - area of Bordeaux
DARC	3582,0	1654	16	01	BLR		PSK2	120	2600	AT3004D - submode idling - north of Minsk
DARC	3585,0	1700	dly	01	TWN	HLL	F1C			120 rpm, IOC 576, Wxfax - legal!
DARC	3586,5	2257	04	01			OFDM	44.5	1850	OFDM28
DARC	3588,0	1924	19	01	RUS		F1B	75	250	Moscow
DARC	3588,0	2241	24	01						frequency hopper
DARC	3590,0	vt	dly	01	PAK	no ITU	FSK8	125	1750	ALE, “KW” “ZULFIQUARI” “KHAIBAR” “SAIF1” “NRS”- Pakistan Navy
DARC	3593,7	2014	01	01	UKR	D	A1A			beacon “D” – RUS Navy Sevastopol
DARC	3593,9	2014	01	01	RUS	S	A1A			beacon “S” – RUS Navy

DARC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
										Murmansk
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	3601,0	vt	vd	01	D	DA0EC	PSK8	2000	2000	RFSM 8000 – amateur emergency net - Berlin - legal operation - just for info!!!
DARC	3602,5	vt	dly	01	AUT	OE9XRK	PSK2/4	1800	1800	Pactor4 – Mailbox OE9XRK – just for info!
DARC	3603,0	vt	dly	01	ALG?	no ITU	FSK8	125	1750	ALE, “PT01JL94” “JL05JL94”
DARC	3606,0	1808	27	01	RUS		F1B	50	250	Kaliningrad
DARC	3610,0	vt	dly	01	D		PSK8	200	500	German APRS Net in Robust Packet - just for info!
DARC	3617,0	vt	dly	01	HRV	9A5EX	FSK8	125	1750	ALE, “9A5EX1P” – HAM-ALE - just for info
DARC	3622,0	1708	22	01			F1B	75	250	Moscow
DARC	3622,5	2000	dly	01	J	JMH	FIC			Tokyo Meteo – 120 rpm – IOC576 – daily, legal!!!
DARC	3626,0	vt	dly	01	HRV	9A5EX	FSK8	125	1750	ALE, “9A5EX” – just for info
DARC	3658,0	2000	dly	01	UKR		A1A			series of “V” - Donetsk
DARC	3699,5	vt	22	01	RUS		F1B	50	200	Kaliningrad
DARC	3744,5	1810	10	01	ISR		PSK4	75	2400	MIL-188-10A hybrid modem
DARC	3748,0	1726	22	01	RUS		F1B	75	250	area of Moscow
DARC	3751,5	vt	dly	01	POL		FSK8	125	1750	ALE, “LA7” “MI3” – Polish military
DARC	3756,0	ady	dly	01	UKR		A3E			UKR – pip – 10 tones – navigation system
DARC	3761,5	2117	28	01	POL	no ITU	FSK8	125	1750	ALE, “NI9” “AB2” – Polish military
DARC	3763,4	2122	28	01	POL		PSK8	2400	2400	MIL-188-110A
DARC	3782,0	ady	dly	01	POR	CTP	F1B	75	850	POR Navy headquarter Lisbon
DARC	3797,0	2054	21	01	RUS		F1B	75	250	Turuchansk – south of Nirilsk
DARC	7000,0	1500	01	01	IND	AIR	noise		80k	broadband noise 6960 - 7040 - area of New Delhi – spurious from All India Radio on 7410 kHz – stopped in Jan. 13 th
DARC	7001,5	1750	09	01	NAf		PSK	125	1750	Clover2000 – North Africa?
DARC	7002,6	1523	14	01			A1A			only dots and dashes – inid beacon
DARC	7008,0	1042	13	01	RUS		F1B	75	250	Moscow
DARC	7010,0	1733	09	01	CHN		FMCW			CHN OTH Radar – 43.5 sps
DARC	7014,0	0759	16	01	RUS		PSK2	120	2600	AT3004D - south of Moscow
DARC	7018,0	2100	dly	01	RUS	REA4	F1B	50	1000	Russian airforce Moscow
DARC	7036,0	2002	30	01	CHN		FMCW		33k	Chinese Coastal Radar – 2.6 sps – 7036 – 7069 kHz
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 – “RJH25”
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	7040,5	vt	dly	01	HRV	9A5EX	FSK8	125	1750	ALE, “9A5EX” - just for info!

DARC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DARC	7041,8	ady	dly	01	RUS	L	A1A			Cluster beacon "L" - St. Petersburg - "RJC66"
DARC	7047,0	1546	09	01	RUS		PSK2	120	2600	AT3004D - area of South Caspian Sea
DARC	7049,5	vt	dly	01	F	F4BXW1	FSK8	125	1750	ALE, "F4BXW1" - just for info!
DARC	7054,0	1700	dly	01	RUS		F1B	50	200	CIS50-50 - RUS Navy Moscow - strange signal
DARC	7058,0	0853	11	01						frequency hopper
DARC	7060,0	1942	02	01	CHN		FMCW		32k	Chinese Coastal Radar - 2.6 sps - 7060 - 7092 kHz
DARC	7065,0	vt	dly	01	HRV	9A5EX	FSK8	125	1750	ALE, "9A5EX" - just for info!
DARC	7065,0	1625	04	01	CHN		FMCW		35k	Chinese Coastal Radar - 2.6 sps - 7065 - 70100 kHz
DARC	7066,0	1535	14	01	CHN		FMCW		32k	Chinese Coastal Radar - 2.6 sps - 7066 - 7098 kHz
DARC	7089,0	1429	12	01	KAZ		PSK2	120	2600	AT3004D - submodem idling
DARC	7092,0	1829	23	01	CHN		FMCW		60k	CHN OTH Radar - 43.5 sps - 7092 - 7152 kHz
DARC	7099,5	vt	dly	01	HRV	9A0ZG	FSK8	125	1750	ALE, "9A0ZG" - just for info
DARC	7102,0	vt	dly	01	HRV		FSK8	125	1750	ALE, "9A3COL" - just for info!
DARC	7110,5	vt	dly	01	HRV	9A0ALE	FSK8	125	1750	ALE, amateur net, just for info!
DARC	7115,0	2143	30	01	?		FSK8	125	1750	ALE, "RC1" "070707821"
DARC	7125,0	1638	17	01	CHN		FMCW		33k	Chinese Coastal Radar - 2.6 sps - 7125 - 7158 kHz
DARC	7128,0	1950	10	01	CHN		FMCW		32k	Chinese Coastal Radar - 2.6 sps 7128 - 70160 kHz
DARC	7138,0	1415	23	01	US		F1B	75	200	St. Petersburg
DARC	7140,0	1446	19	01	RUS		FMCW		10k	OTH RUS - 50 sps - 2.6 sec bursts - Moscow
DARC	7140,0	1610	28	01	CHN		FMCW		50k	Chinese OTHR - 43.5 sps - 7140 - 7190 kHz
DARC	7142,0	0810	18	01	RUS		F1B	75	250	Kaliningrad
DARC	7150,0	1518	12	01	RUS		FMCW		10k	OTH RUS - 66.7 sps - 2 sec bursts
DARC	7153,0	1714	05	01	RUS		F1B	75	200	area of Black Sea
DARC	7162,0	1205	11	01	BLR		F1B	75	250	Minsk
DARC	7180,0	vt	dly	01	MRC	no ITU	FSK8	125	1750	ALE, "9201" "6350" "RC1"
DARC	7185,5	vt	dly	01	F	F4BXW	FSK8	125	1750	ALE, "F4BXW" - just for info!
DARC	7198,0	0912	25	01	RUS		PSK2	120	2600	AT3004D - Kaliningrad
DARC	7200,0	0918	31	01						frequency hopper
DARC	10102,0	2020	29	01						frequency hopper
DARC	10106,0	vt	dly	01	ALG	no ITU	FSK8	125	1750	ALE, "OG100A" "OR200B" - Algerian MIL
DARC	10107,0	vt	dly	01			FSK8	125	1750	ALE, "193"
DARC	10110,0	vt	vd	01	SNG		FSK8	125	1750	ALE, "CN6" "68" - Singapore Navy - Changi Naval Base with frigate "RSS Formidable"
DARC	10112,0	ady	dly	01	TUR		PSK8	2400	2400	Stanag4285 - 600 bps long - TUR MIL - Izmir
DARC	10113,3	2033	30	01	EU		PSK4	75	2300	Link11 - CLEW - 2 stations - 2 ships - Baltic Sea
DARC	10115,0	vt	dly	01		no ITU	FSK8	125	1750	ALE, "2001", "2011"
DARC	10120,0	vt	dly	01		no ITU	FSK2	125	1750	ALE, "9066" "9067"
DARC	10125,0	0758	04	01	RUS		PSK2	120	2600	AT3004D -
DARC	10130,0	2250	dly	01	USA		F1B	50	850	USA - Maine
DARC	10130,0	1815	03	01	CYP		FMCW		20k	OTH Radar Cyprus, 50 sps
DARC	10134,0	vt	dly	01	ALG	no ITU	FSK8	125	1750	ALE, "CM4" "COF" - Algerian Airforce
DARC	10134,0	1846	06	01						frequency hopper
DARC	10136,5	vt	dly	01	F	F4BXW	FSK8	125	1750	ALE, "F4BXW" - just for info!
DARC	10145,5	vt	dly	01	HRV	9A5EX	FSK8	125	1750	ALE, 9A5EX, just for info!
DARC	10146,0	vt	dly	01	ALG		FSK8	125	1750	ALE, "ORG" "CM4" - ALG Airforce
DARC	10150,0	vt	dly	01		no ITU	FSK8	125	1750	ALE, "CFA" "CTA"
DARC	14000,0	vt	dly	01	CYP	no ITU	FSK8	125	1750	ALE, "091" "1010"
DARC	14000,0	0830	12	01			noise		12k	broadband emission - 14000 - 14012 kHz - like white noise -

DARC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
										220 ° - also Jan. 31 st
DARC	14000,0	0950	14	01	ISR		N0N			long lasting carrier 14000.025 kHz - Israel
DARC	14000,0	1728	23	01			FMCW		20k	OTH Radar Cyprus, 50 sps
DARC	14037,0	vt	dly	01		no ITU	FSK8	125	1750	ALE, "313" "132" "932"
DARC	14066,0	0923	14	01	RUS		PSK2	120	2600	AT3004D - Syktyvkar
DARC	14075,0	1440	23	01	CHN		FMCW		50k	Chinese Coastal Radar – 2 sps – 14075 – 14125 kHz
DARC	14104,0	1034	28	01	RUS		F1B	75	250	Smolensk
DARC	14109,0	vt	dly	01	F	F4BXW	FSK8	1250	1750	ALE, "F4BXW" - just for info
DARC	14192,0	vt	vd	01	RUS		F1B	50	500 200	CIS50-50 - RUS Navy Kaliningrad
DARC	14247,0	vt	dly	01	E	no ITU	FSK8	125	1750	ALE, "151" "250"
DARC	14292,8	0910	14	01	BUL		unid	2400	2400	Sofia
DARC	14303,0	1021	26	01	RUS		FMCW		10k	RUS OTHR – 47.6 sps – 2.8 sec bursts
DARC	14308,0	0905	26	01	RUS		F1B	75	500	Velikije Luki
DARC	14316,0	vt	dly	01	?	no ITU	FSK8	125	1750	ALE, "601" "611"
DARC	14325,1	vt	vd	01	FEa	no ITU	FSK8	125	1750	ALE, "776" "699" "475"
DARC	14331,0	vt	dly	01			FSK8	125	1750	ALE, "417" "663"
DARC	14341,0	vt	dly	01	I		FSK8	125	1750	ALE, "20" - area of Rome
DARC	14343,0	vt	dly	01		no ITU	FSK8	125	1750	ALE, "L06" "A98"
DARC	14350,0	1024	26	01	RUS		FMCW		10k	RUS OTHR – 66.7 sps – 2.0 sec bursts
DARC	18080,1	0806	18	01	RUS		MFSK		1300	CIS36 – 34 tones visible
DARC	21010,0	1138	06	01	CYP		FMCW		20k	OTH Radar Cyprus, 50 sps
DARC	21089,5	vt	dly	01	HRV	9A5EX	FSK8	125	1750	ALE, "9A5EX" - just for info!
DARC	21100,0	0750	26	01	CYP		FMCW		20k	OTH Radar Cyprus, 50 sps
DARC	21250,0	0707	14	01	CYP		FMCW		20k	OTH Radar Cyprus, 50 sps
DARC	21400,0	vt	dly	01	RUS		F1B	50 async	2000	harmonic from 5350 – area of Jekaterinburg - daily
DARC	21430,0	1052	13	01	TUR		FMCW		20k	OTH Radar Turkey, 50 sps
DARC	21438,0	vt	dly	01	UKR	RCV	A1A			RIP90 de RCV - RUS Navy Sevastopol
DARC	25000,0	ady	dly	01	FIN		A3E			time signal Helsinki – just for info – carrier on 25000 – dots on 25001
DARC	28000,0	0804	16	01	CYP		FMCW		20k	OTH Radar Cyprus, 25 sps
DARC	28000,0	0801	26	01						frequency hopper
DARC	28022,0	1112	30	01						frequency hopper
DARC	28036,0	0800	21	01						frequency hopper
DARC	28100,4	1043	01	01	POR		F1B	51	300	F1B – bursts – 3.2 sec
DARC	28100,8	1043	01	01	POR		F1B	51	300	F1B – bursts – 3.2 sec
DARC	28102,2	1043	01	01	POR		F1B	51	300	F1B – bursts – 3.2 sec
DARC	28150,0	0740	24	01			FMCW		20k	OTH Radar Cyprus, 25 sps
DARC	28151,0	0921	24	01						frequency hopper
DARC	28200,0	0832	12	01	CYP		FMCW			OTH Radar Cyprus, 50 sps
DARC	28390,0	1108	30	01	CYP		FMCW		20k	OTH Radar Cyprus, 50 sps
DARC	28545,0	1057	31	01			FMCW		20k	OTH Radar Cyprus, 50 sps
DARC	29684,7	1040	21	01	E		F1B	81.9	140	Mediterranean Region
DARC	29685,5	1656	18	01	I		VFT		2000	serial modem, Italian MIL Brescia
DARC	29699,8	1657	18	01	I		VFT		2000	serial modem, Italian MIL Brescia

IRTS – Ireland – EI4GXB (Ger)

KARS – Kuwait – 9K2RR (Faisal)

MRASZ – Hungary - HA7PL (Laci)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
MRASZ	3536.0	1920	21	01		Ui	A1A			4343 34380 95485 POLONYNA
MRASZ	3593.0	2139	05	01	UKR	D	A1A			beacon "D"
MRASZ	3593.2	2140	05	01	RUS	S	A1A			beacon "S"
MRASZ	7000.0	1348	27	01			?			whining ?
MRASZ	7010.0	1637	26	01	ITA?	Ui	J3E-L			italian language
MRASZ	7010.6	1705	15	01			A1A			disturbing to dx-pedition
MRASZ	7018.0	vt	vd	01	RUS		F1B	50	1000	REA4
MRASZ	7018.0	2340	21	01	RUS		A1A			REA4 figs, after dotter
MRASZ	7038.7	vt	vd	01	UKR	D	A1A			beacon "D"
MRASZ	7038.9	vt	vd	01	RUS	S	A1A			beacon "S"
MRASZ	7039.0	vt	vd	01	RUS	C	A1A			beacon "C"
MRASZ	7039.1	vt	vd	01	KGZ	A	A1A			beacon "A"
MRASZ	7039.2	vt	vd	01	RUS	F	A1A			beacon "F"
MRASZ	7041.0	1000	07	01			A1A			slow dots
MRASZ	7041.8	vt	vd	01	RUS	L	A1A			beacon "L"
MRASZ	7054.0	vt	vd	01	RUS		F1B	50	200	
MRASZ	7100.0	1831	31	01			A3E			AM carrier
MRASZ	7110.0	1830	31	01			A3E			AM carrier
MRASZ	7125.0	1928	24	01	CHN		FMCW			OTHR
MRASZ	7131.6	0959	07	01			A1A			dotter
MRASZ	7153.0	1934	05	01		Ui	F1B	?	200	
MRASZ	7175.0	1720	07	01		UiBC	A3E			arabian language
MRASZ	7175.0	1730	15	01		UiBC	A3E			arabian language
MRASZ	7183.0	0909	07	01			A1A			dits and dots, but no morse
MRASZ	7185.0	1732	16	01		UiBC	A3E			
MRASZ	7185.0	1837	31	01		UiBC	A3E			
MRASZ	7186.0	1857	12	01			A1A			„RAL46 de RHY73 K“
MRASZ	7195.0	1733	16	01		UiBC	A3E			more BC interfering
MRASZ	7200.0	1719	15	01		UiBC	A3E			splatter, 5 kHz down
MRASZ	7200.0	1854	27	01		UiBC	A3E			splatter, 5 kHz down
MRASZ	7200.0	1830	31	01		UiBC	A3E			splatter, 5 kHz down
MRASZ	18068.0	1400	28	01		Ui	OTHR			till 18168

OEVSV – Austria – OE3GSA (Gerd)

PZK – Poland – SP3UZ (Wladyslaw)

REP – Portugal – CT4AN (Jose Francisco)

SOC	KHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
REP	3505	21.50	01	01		?	Pulse			1 bps MARKER
REP	3505	22.20	13	01	I		A3E			Intruders talking
REP	3510	22.25	18	01		?	J3E-U			Russian voices
REP	3514	22.44	23	01	I		J3E-L			Intruders
REP	3520	07.41	18	01		ni	Pulse			1 sec. bps
REP	3525	20.50	14	01	POR E	ni	J3E-U			Fishermen
REP	3535	09.10	25	01	E		J3R-U			Fishermen
REP	3535	07.48	26	01	E		J3E-L			Spanish fishermen
REP	3550	21.11	20	01		?	J3E-L			Several english talking
REP	3580	19.02	29	01	E		J3E-U			Spanish fishery ref. La Coruna
REP	3615	08.40	09	01	E		J3E-U			Spanish fishermen (sea to Huelva)
REP	3625	08.30	20	01			J3E-U			Arabic language talks
REP	3625	07.31	30	01	E POR		J3E-U			Spanish+Portuguese fishermen
REP	3630	22.00	26	01			J3E-U			Arabic language talks
REP	3756	01.18	17	01	UKR		A2A			Pulses
REP	7000	01.28	11	01	E		J3E-L			Ola and tuning carriers

SOC	KHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
REP	7000	18.00	16	01		V	A1A			CW Marker
REP	7001	09.12	27	01			J3E-U			Arab talking
REP	7001	01.17	22	01		?	J3E-L			Arab & Magreb ?
REP	7001,3	01.12	22	01	E		J3E-U			Fishermen
REP	7002,5	22.09	24	01			J3E-L			Arab language
REP	7009	21.53	06	01	E		J3E-U			Fishermen talking with wives
REP	7014	18.29	12	01	E		J3E-U			Fishermen
REP	7025	22.51	25	01			J3E-L			Arabs
REP	7025	18.19	11	01	E		J3E-L			Spanish fishermen
REP	7030	19.30	16	01	E		J3E-U			Spanish fishermen (sea to land)
REP	7038,6	07.10	15	01	RUS	S	A1A			MURMANSK, ADY, DLY 3.1uV S5
REP	7038,7	07.12	15	01	UKR	D	A1A			SEVASTOPOL, ADY, DLY 25uV S8
REP	7038,7	07.20	15	01	UKR	D	A1A			SEVASTOPOL, ADY, DLY 0.2uV S1
REP	7038,7	23.00	28	01	UKR	D	A1A			SEVASTOPOL Beacon 12.5uV S7
REP	7039,0	07.30	15	01	RUS	C	A1A			MOSCOW, ADY, DLY 6.3uV S6
REP	7039,0	23.33	28	01	RUS	C	A1A			MOSCOW Beacon 50uV S9
REP	7039,1	18.30	10	01	RUS	A	A1A			VOLGOGRAD, ADY, DLY 3.1uV S5
REP	7039,1	21.00	10	01	RUS	A	A1A			VOLGOGRAD, ADY, DLY 6.3uV S6
REP	7045	22.00	03	01			J3E-U			Arabic talks
REP	7066,6	20.32	09	01	n.i.		J3E-U			Jap fishermen ?
REP	7078	00.15	26	01	n.i.		A3E			Several tone freq AM modulated
REP	7110	00.21	26	01	n.i.		8k00 A3EGN			Broadcast not identified – strong fade
REP	7175	04.56	21	01	n.i.		8k00 A3EGN			Broadcasting
REP	7198	00.27	26	01	RUS		8k00 A3EGN			Down-splatter sideband from Radio Voice of Russia overmodulation on its 7210,7MHz 250kW transmitter in Moscow
REP	10105	21.12	03	01	MLA		J3E-U			Malaysian fishers
REP	10106	20.09	27	01			J3E-U			Malaysia fishers discussing
REP	10131	14.30	04	01		ni	F1B	300	170	
REP	10136	17.54	06	01		ni	J3E-U			Scrambled voices
REP	14000	08.22	31	01	E		J3E-U			Fishermen
REP	14005	08.20	29	01	E		J3E-U			Spanish fishery sea to harbour and wives
REP	14165	19.55	08	01		ni	J3E-U			Family Phone Patch call
REP	28050	09.24	12	01	RUS		F3E			Taxis
REP	28070	22.00	05	01	F		A3E			CB's intruding
REP	28135	10.12	17	01	RUS		F3E			Radio-Taxis (Central to mobile ?)

RSGB - Great Britain – G4BOH (Chris)

SRAL – Finland – OH2BLU (Pekka)

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	REMARKS
SRAL	7008,0	0730-1115	1, 13	1	RUS	UiPTR	F1B		250	Moscow
SRAL	7012,0	1215-1300	12	1		UiMUX	J7D	12x120	12x200	
SRAL	7012,0	1000-1245	11, 16	1		UiPTR	F1B		500	
SRAL	7014,0	0945-0958	28	1		UiPTR	F1B		227	
SRAL	7014,0	0650-1030	16, 30	1		UiMUX	J7D	12x120	12x200	Moscow
SRAL	7018,0	1000-1830	*	1		UiPTR	F1B		1000	Days: 2, 19, 25 - 31
SRAL	7019,13	1215-1625	24, 27	1		UiCarr	N0N			Mark of F1 on 7019 kHz?
SRAL	7030,0	1200-1300	24	1		UiPTR	F1B		250	
SRAL	7032,0	1200-1234/	14	1		UiMUX	J7D	12x120	12x200	

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	REMARKS
SRAL	7038,7	h24	1-26	1	UKR	D	A1A			Sevastopol
SRAL	7038,9	h24	dly	1	RUS	S	A1A			Severomorsk
SRAL	7039,0	h24	dly	1	RUS	C	A1A			Moscow
SRAL	7041,05	1100-1300	7	1		eee	A1A			dotter
SRAL	7041,8	h24	1-16	1	RUS	L	A1A			St Peterburg
SRAL	7047,0	0530-1630	9,30	1		UiMUX	J7D	12x120	12x200	
SRAL	7054,0	1700-1900	dly	1	RUS	REA4	F1B		200	Moscow
SRAL	7054,7	1330-1400	2	1		eee	A1A			dotter
SRAL	7060,0	1200-1300	24	1		UiPTR	F1B		500	
SRAL	7089,0	0700-1515	12, 25	1		UiMUX	J7D	12x120	12x200	
SRAL	7098,0	0545-1210	20, 30	1		UiPTR	F1B		250	
SRAL	7111,0	1015	23	1		UiPTR	F1B			
SRAL	7112,0	0810	14	1		UiMUX	J7D	12x120	12x200	
SRAL	7117,0	0905	3	1		UiPTR	F1B			
SRAL	7120,0	0930-1030	22	1		UiMUX	J7D	12x120	12x200	
SRAL	7120,0	0300-0615	dly	1	ERI	VoBME 1	A3E			jammed by ETH, QSY 7100 - 7130 kHz
SRAL	7120,0	1400-1800	dly	1	ERI	VoBME 1	A3E			QSY 7100 – 7130 kHz, on 30 th until 1900, jammed by ETH until 1700,
SRAL	7129,0	0715	26	1	RUS	UiMUX	J7D	12x120	12x200	
SRAL	7138,0	1330-1450/	23	1		UiPTR	F1B			
SRAL	7140,0	1240-1330/	23	1		UiMUX	J7D	12x120	12x200	
SRAL	7142,0	0715-0740	26	1		UiPTR	F1B		250	
SRAL	7144,0	0645-0815	8	1	RUS	UiMUX	J7D	12x120	12x200	
SRAL	7147,0	1500-1530	5	1		UiOTHR	P0N			2 sec on 15 sec off
SRAL	7151,0	0540	9	1		UiMUX	J7D	12x120	12x200	
SRAL	7162,0	0600-0730	11	1		UiMUX	J7D	12x120	12x200	
SRAL	7164,0	1230	22	1	RUS	UiMUX	J7D	12x120	12x200	
SRAL	7168,0	0805-1300	24	1		UiPTR	F1B		200	
SRAL	7170,0	0650	24	1		UiMUX	J7D	12x120	12x200	
SRAL	7170,0	1610	28	1		UiMUX	J7D	12x120	12x200	
SRAL	7175,0	0300-0700	dly	1	ERI	VoBME 2	A3E			jammed by ETH, QSY 7160 – 7190 kHz
SRAL	7175,0	1430-1805	dly	1	ERI	VoBME 2	A3E			QSY 7160 – 7190 kHz, on 30 th until 1900, jammed by ETH until 1700,
SRAL	7176,0	0700-1230	15, 20	1	RUS	UiPTR	F1B		250	
SRAL	7186,0	0540-1545	*	1	RUS	RHY73, RDL46	A1A			Days: 4, 8, 9, 15, 21, MR 5F at H+ 40
SRAL	7188,0	0745-1315	*	1		UiPTR	F1B		250	Days: 20, 27, 29
SRAL	7193,0	0915-1345	*	1		UiPTR	F1B			Days: 14, 15, 16, 24, 28
SRAL	7198,0	0745-1010	3, 25	1		UiMUX	J7D	12x120	12x200	
SRAL	7200,0	1420-1432/	22	1		UiCarr	N0N			
SRAL	7200,0	0300-0700	dly	1	SDN	R Sudan	A3E			
SRAL	7200,0	1730-	dly	1	SDN	R Sudan	A3E			

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	REMARKS
		2030								
SRAL	7200,0	1520-1630	dly	1	AFG	R.Afganistan	A3E			
SRAL	7200,0	1330-1830	dly	1	ERI	VoBME1	A3E			jammed by ETH, QSY +/- 5kHz
SRAL	7200,0	0330-0430	*	1	IRN	IRIB	A3E			Days: 2, 8, 10, 13, 27
SRAL	14000,0	0605-1500	*	1	ISR	UiCarr	N0N			Days: 13 - 16
SRAL	14104,0	1005	28	1		UiPTR	F1B		250	
SRAL	14110,0	1025	12	1		UiPTR	F1B			
SRAL	14295,2	0500-1500	dly	1	TJK	R Tojikiston	A3E			3f 4765,06 kHz, Yangiyul TX
SRAL	14344,0	0930	16	1		UiPTR	F1B			
SRAL	28 MHz	0800-1256/	*	1	CYP	UiOTHR	P0N			Days: 2, 3, 7, 10, 16, 23, 26, 20 kHz/ 50 Hz
SRAL	28 MHz	0750-1235	*	1	CIS	UiVOX	F3E			Days: 1 - 4, 13, 21, 22, 25 - 29, 76 reports

USKA – Switzerland – HB9CET (Peter)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH (BW)	DETAILS
USKA	7000.0	2339	01	01			J3E-U			unident language
USKA	7000.0	1533	05	01			Noise		~ 80 k	(appr 6950- 7030) almost daily
USKA	7012.0	1036	11	01			F1B	75	500	
USKA	7018.0	1754	25	01		REA4	F1B	50	1000	
USKA	7038.3	1710	07	01	RUS	K	A1A			Beacon K Petropavlovsk
USKA	7038.7	0009	01	01	UKR	D	A1A			Beacon D Sevastopol daily
USKA	7038.9	0008	01	01	RUS	S	A1A			Beacon S Murmansk daily
USKA	7039.0	0021	01	01	RUS	C	A1A			Beacon C Moscow daily
USKA	7039.4	0010	01	01	RUS	M	A1A			Beacon M Magadan daily
USKA	7041.8	1619	01	01		L	A1A			Beacon L daily
USKA	7044.0	2234	25	01			A1			fast dots only, over hours
USKA	7045.0	2156	20	01			F1B	75	200	
USKA	7047.0	1607	09	01			J7D	12x120	2k6	PSK-2: CIS12 = AT3004D
USKA	7054.0	1529	05	01			F1B	50	200	daily
USKA	7070.0	1939	06	01		MV	MFSK8	125	1750	MIL 188-141A to: 686 often
USKA	7070.0	1940	06	01		244	MFSK8	125	1750	MIL 188-141A to: 334 often
USKA	7070.0	2150	06	01		571	MFSK8	125	1750	MIL 188-141A to: 244
USKA	7088.8	1805	25	01			A1A			figures and letters only
USKA	7089.7	1542	04	01			PSK-8	2400	2400	Link 11- SLEW often
USKA	7098.0	1013	01	01			F1B	40.5	250	
USKA	7100.0	0002	27	01			A3E			BC indian style Music + Voice
USKA	7105.0	2258	18	01		TWN	A3E			BC (2 stations) daily
USKA	7105.0	2258	18	01		CHN	A3E			BC (2 stations) daily
USKA	7107.0	2131	05	01			FMCW	66 sps	20 kHz	OTHR, Bursts 1.9s, every 20s
USKA	7110.0	1620	01	01			A3E			BC, jammed
USKA	7110.0	1621	01	01			Noise		10 kHz	Jammer
USKA	7110.0	1951	26	01			A3E			BC
USKA	7111.9	1639	13	01	KWT	UDAIRI	MFSK8	125	1750	MIL 188-141A, reported as US-Mil in Kuwait
USKA	7117.0	2150	05	01			FMCW	47 sps	20 kHz	OTHR, Bursts 2.75s, every 20s
USKA	7120.0	1547	09	01			A3E			BC, jammed
USKA	7120.0	1548	09	01			Noise		10 kHz	Jammer
USKA	7129.0	0658	26	01			J7D	12x120	2k6	BPSK CIS12 = AT3004D
USKA	7130.0	1552	09	01			A3E			BC
USKA	7138.0	1421	23	01			F1B	75	200	
USKA	7141.875	1053	25	01			A1			illegal jammer (dash/dots)
USKA	7142.0	1051	25	01			F1B	75	250	
USKA	7153.0	1525	05	01			F1B	75	200	
USKA	7165.0	1537	04	01			A3E			BC, jammed
USKA	7165.0	1538	04	01			Noise		10 kHz	Jammer
USKA	7165.0	1658	04	01			A3E			BC, jammed often

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH (BW)	DETAILS
USKA	7165.0	1659	04	01			Noise		10 kHz	Jammer often
USKA	7175.0	1623	01	01			A3E			BC, jammed often
USKA	7175.0	1624	01	01			Noise		10 kHz	Jammer often
USKA	7179.0	2028	24	01			A3E			IM often
USKA	7180.0	1548	04	01			A3E			BC, jammed often
USKA	7180.0	1549	04	01			Noise		10 kHz	Jammer often
USKA	7185.0	1534	04	01			A3E			BC often
USKA	7185.0	1535	04	01			Noise		10 kHz	Jammer often
USKA	7189.8	0026	23	01			A3E			BC; Voice and music often
USKA	7194.0	1341	19	01			J7D	12x120	2k6	PSK-2: CIS12 = AT3004D
USKA	7195.0	1823	27	01			A3E			BC often
USKA	7200.0	1626	01	01			A3E			BC; arabian language
USKA	7200.0	2156	20	01			A3E			BC; Music (QRT 2201)
USKA	10105.0	1928	20	01			A3E			Voice and Music, unid language IM often
USKA	14000.03	1537	13	01			N0N			over hours
USKA	14000.03	0849	14	01			N0N			over hours, still here
USKA	14052.0	0919	24	01			J7D	12x120	2k6	PSK-2: CIS12 = AT3004D
USKA	14122.0	0721	23	01			J7D	12x120	2k6	PSK-2: CIS12 = AT3004D
USKA	14190.0	1500	01	01			N0N			long lasting carrier
USKA	14192.0	1019	01	01			F1B	50	500	almost daily
USKA	14344.7	0348	16	01			PSK-8	2400	2k4	MIL 188-110A Hybrid mod. Burst interval 6.8 Burst duration 2.6S; Intro 0.20s Frame format 600 bps short
USKA	18085.0	0946	18	01			FMCW	50 sps	20 kHz	OTHR
USKA	18165.0	0937	18	01			FMCW	50 sps	20 kHz	OTHR
USKA	21000.0	0854	14	01			FMCW	50 sps	20 kHz	OTHR
USKA	21000.0	1055	16	01			FMCW	50 sps	20 kHz	OTHR
USKA	21150.0	1057	16	01			FMCW	50 sps	20 kHz	OTHR
USKA	21240.0	1132	16	01			FMCW	50 sps	20 kHz	OTHR
USKA	28476.5	0944	26	01			F1B	100	150	

ARSI – India (guest report) - VU2UR (Arasu)

SOC	KHz	BW-kHz.	MM	DD	UTC	MODE	ITU	ID	DESCRIPTION.
ARSI	7005		01	28	<0245-0255>	J3E/U	CLN	UNID	SRI LANKAN FISHERMEN IN SINHALA LANGUAGE ONLY – 2 OM
ARSI	7008		01	16	<0210-0220>	J3E/U	CLN	UNID	SRI LANKAN FISHERMEN IN SINHALA LANGUAGE ONLY – 2 OM
ARSI	7010		01	23	<0210-0220>	J3E/U	CLN	UNID	SRI LANKAN FISHERMEN IN SINHALA LANGUAGE ONLY – 2 OM
ARSI	7011		01	15	<0120-0130>	J3E/U	CHN	UNID	CHINESE DIALECT CONVERSATIONS
ARSI	7015		01	21	<0215-0220>	J3E/U	CLN	UNID	SRI LANKAN FISHERMEN IN SINHALA LANGUAGE ONLY – 2 OM
ARSI	7038.5		01	23	<0210-0220>	A1A	RUS	C, D	SINGLE LETTER BEACONS FROM RUSSIA
ARSI	7101.7		01	15	<0120-0130>	J3E/U	CLN	UNID	SRI LANKAN FISHERMEN IN SINHALA LANGUAGE ONLY – 2 OM
ARSI	7130		01	15	<0135-0145>	A3E	UNID	UNID	WEAK SPURIOUS EMISSION
ARSI	7190	6	01	15	<0120-0130>	A3E	CLN	SLBC	SLBC BROADCASTING WITH HINDI PROGRAMMING
ARSI	7190	6	01	21	<0210-0225>	A3E	CLN	SLBC	SLBC BROADCASTING WITH HINDI PROGRAMMING
ARSI	7190	6	01	23	<0220-0230>	A3E	CLN	SLBC	SLBC BROADCASTING WITH HINDI PROGRAMMING
ARSI	7193	1	01	26	<1545-1555>	A3E	UNID	UNID	Broadcast
ARSI	10116		01	28	<0150-0200>	J3E/U	CHN	UNID	CHINESE DIALECT CONVERSATIONS
ARSI	14003.1		01	28	<0245-	J3E/U	CLN	UNID	SRI LANKAN FISHERMEN IN

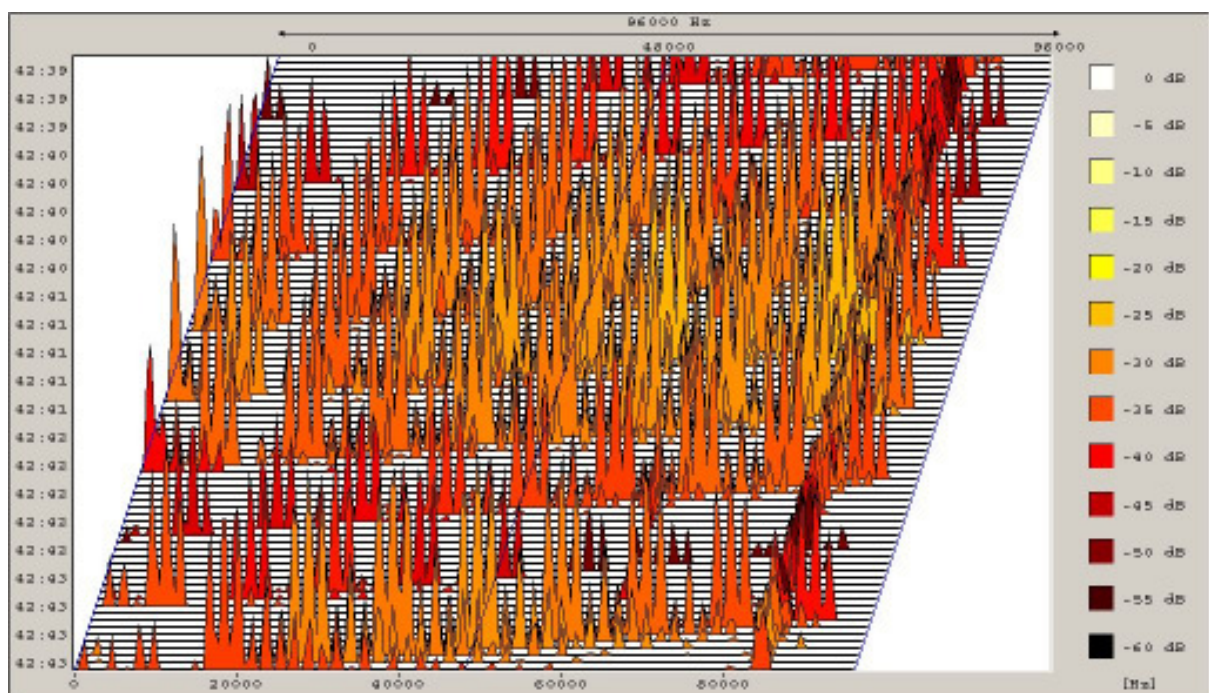
SOC	KHz	BW-kHz.	MM	DD	UTC	MODE	ITU	ID	DESCRIPTION.
					0255>				SINHALA LANGUAGE ONLY – 2 OM
ARSI	14005.2		01	11	<0235-0245>	J3E/U	CLN	UNID	SRI LANKAN FISHERMEN IN SINHALA LANGUAGE ONLY – 2 OM
ARSI	14004.7		01	09	<0145-0200>	J3E/U	CLN	UNID	SRI LANKAN FISHERMEN IN SINHALA LANGUAGE ONLY – 2 OM
ARSI	14014		01	21	<0210-0215>	J3E/U	CLN	UNID	SRI LANKAN FISHERMEN IN SINHALA LANGUAGE ONLY – 2 OM
ARSI	14032	1	01	26	<1535-1545>	J3E/U	UNID	UNID	Two way communication
ARSI	14037		01	06	<0240-0250>	J3E/U	CLN	UNID	SRI LANKAN FISHERMEN IN SINHALA LANGUAGE ONLY – 2 OM
ARSI	14040		01	28	<0145-0200>	J3E/U	CLN	UNID	SRI LANKAN FISHERMEN IN SINHALA LANGUAGE ONLY – 2 OM
ARSI	14097.5		01	06	<0245-0255>	OTHR	UNID	UNID	SPREADING FROM 14070 TO 14125 Khz AND QUITE STRONG.
ARSI	14133		01	28	<0145-0200>	J3E/U	CHN	UNID	CHINESE DIALECT CONVERSATIONS
ARSI	14142		01	28	<0145-0200>	J3E/U	CLN	UNID	SRI LANKAN FISHERMEN IN SINHALA LANGUAGE ONLY – 2 OM
ARSI	14297	2	01	12	<1205-1215>	A3E	UNID	UNID	Some broadcast from Asian country
ARSI	14330		01	28	<0150-0200>	J3E/U	CLN	UNID	SRI LANKAN FISHERMEN IN SINHALA LANGUAGE ONLY – 2 OM
ARSI	14334	2	01	12	<1200-1210>	J3E/U	UNID	UNID	Two way communication
ARSI	21001		01	12	<0745-0755>	OTHR	UNID	UNID	SPREADING FROM 20990 TO 21012 Khz.
ARSI	21002		01	16	<1110-1120>	OTHR	UNID	UNID	SPREADING FROM 20980 TO 21024 Khz
ARSI	21006.6		01	22	<0400-0410.	A1A	UNID	UNID	IRREGULAR NUMBER OF PULSES SENT
ARSI	28016.7		01	14	<0935-0955>	A3E	CHN	UNID	CHINESE CONVERSATIONS
ARSI	28052.3		01	14	<0935-0955>	A3E	CHN	UNID	CHINESE CONVERSATIONS
ARSI	28059.7		01	14	<0935-0955>	A3E	CHN	UNID	CHINESE CONVERSATIONS

Veron 1 – Netherlands – PA2GRU (Dick)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
VERON	3508,0	17.35	9	1		UiCW	A1A		Nr 05 J 09 18:37:46 1984 bt 5L
VERON	3522,0	17.58	20	1		UiPTR	F1B		Ptr
VERON	3535,0	19.17	7	1	E	UiILL	J3e-U		Spanish male, fishery
VERON	3553,8	18.21	14	1	TUR	UiMux	PSK8	2k4	Stanag system
VERON	3565,5	16.49	12	1		UiPTR	F1B		Ptr
VERON	3588,0	17.57	20	1		UiPTR	F1B		Ptr
VERON	3699,5	18.17	14	1	RUS	UiPtr	F1B	200	Bad filtered signal
VERON	3699,5	20.56	21	1	RUS	UiPtr	F1B	200	Printer idling
VERON	3797,0	23.20	21	1		UiPtr	F1B	250	
VERON	7018,0	16.30	23	1	?	UiPtr	F1B	1000	revs
VERON	7018,0	10.30	27	1	?	UiPtr	F1B	1000	revs
VERON	7038,7	vt	vd	1	UKR	D	A1A		D-beacon
VERON	7038,7	vt	vd	1	UKR	D	A1A		Beacon Sevastopol
VERON	7038,9	vt	vd	1	RUS	S	A1A		S-beacon
VERON	7038,9	vt	vd	1	RUS	S	A1A		Beacon Murmansk
VERON	7039,0	vt	vd	1	RUS	C	A1A		C-beacon
VERON	7039,0	vt	vd	1	RUS	C	A1A		Beacon Moscow
VERON	7039,1	16.14	23	1	AZB	A	A1A		A-beacon
VERON	7039,1	18.05	27	1	AZB	A	A1A		A-beacon
VERON	7039,2	08.00	21	1	RUS	F	A1A		F-beacon
VERON	7039,2	18.06	27	1	RUS	F	A1A		F-beacon
VERON	7039,4	18.06	27	1	RUS	M	A1A		M-beacon
VERON	7041,8	17.05	6	1	RUS	L	A1A		L-beacon

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
VERON	7045,0	08.00	21	1	?	UiPtr	F1B	250	ptr
VERON	7045,5	16.04	9	1		UiMux	PSK12	5k2	
VERON	7054,0	23.10	14	1	RUS	UiPtr	F7B	400	5 channel printer
VERON	7054,0	20.27	21	1	RUS	UiPtr	F7B	400	5 channel printer
VERON	7054,0	18.15	28	1	RUS		F1B	200	Printer idling
VERON	7105,0	22.31	21	1	CHN		A3E		Chinese BC; s9+10
VERON	7105,0	22.18	28	1	CHN		A3E		Chinese BC
VERON	7115,0	15.58	28	1					Frequency hopper
VERON	7120,0	15.52	9	1			JAM		White noise jammer; 16k spread
VERON	7130,0	15.56	14	1					Frequency hopper
VERON	7135,0	15.22	14	1			JAM		White noise jammer; 16k spread
VERON	7153,0	11.03	29	1					Frequency hopper
VERON	7176,0	09.57	15	1		UiPtr	F1B	250	Printer idling
VERON	7185,0	15.48	9	1			JAM		White noise jammer; 16k spread
VERON	7188,0	10.37	27	1	?	UiPtr	F1B	250	ptr
VERON	7200,0	16.14	19	1	Afghanis	NRA	A3E		National Radio of Afghanistan
VERON	7200,0	15.44	9	1	SDN	R.Omdu rman	A3E		African Music; s9
VERON	7200,0	15.36	14	1			JAM		White noise jammer; 16k spread
VERON	7200,0	21.51	21	1	IRN	IRIB	A3E		Japanese speech; s9+10
VERON	7200,0	21.09	28		IRN	IRIB	A3E		Japanese female speech
VERON	10112,0	15.43	9	1	TUR	UiMux	PSK8	2k4	Stanag system
VERON	14151,5	17.55	20	1		UiPTR	F1B		Ptr
VERON	14192,0	10.40	9	1		UiPTR	F1B		Revs/Ptr
VERON	14192,0	09.46	3	1		UiPtr	F1B	500	Revs
VERON	14233,0	09.55	12	1		UiMUX	FSK		roaring noise
VERON	14233,0	11.56	25	1		UiMux	FSK		roaring noise, qrt 11.57 utc
VERON	14241,5	11.23	15	1		UiMux	PSK8	2k4	
VERON	14242,0	10.19	19	1		UiCAR	NON		carrier
VERON	14274,0	10.19	19	1		UiCAR	NON		carrier
VERON	18064,0	09.50	18	1		OTHR	PON		radar, 18071-18095 KHz harmful 0951 qrt
VERON	21100,0	vt	vd	1	E	UiILL	J3e-U		Spanish male, fishery, 3 male voices
VERON	21265,0	11.39	22	1		UiRadar	FMCW	20k	OTHR; 25sps
VERON	21450,0	13.26	14	1	CYP		FMCW	25k	OTHR; 50sps
VERON	28564,0	12.31	21	1					Frequency hopper

CODAR–sweeps on shortwave analyzed by the Wavcom W61. Screenshot: DK2OM



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

German PTT (BNetzA = Federal Network Agency)

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