



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:



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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. Napoli Radio on 14000 kHz disabled

We heard an illegal intruder from Italy transmitting music in A3E often during the evening hours, sometimes in the mornings, too. The transmission frequency was rather unstable 13999.600 - 14001.000 kHz. The announcement was "Napoli Radio". We were glad to hear that the Italian PTT was successful. Many thanks again to the German BNetzA, the Italian PTT and Italian Hams in Naples.

2. Russian taxi cabs – the endless story

Russian taxi cabs were daily active between 28 – and 30 MHz in FM. But not only there: I found between 26 and 28 MHz, too. On July 22nd I found them on 25275 kHz. They are coming closer and closer to our 24 MHz-band always looking for "free channels".

3. Fishery traffic on our bands – worse as never before

Spanish fishermen were daily active on 3500, 3510, 3550 and 3590 kHz in USB, often using the vocoder CRY2001. CRY2001 can easily be eliminated by transmitting an FEC-signal on the key-exchange AF QRG: 1500 Hz center. Also audible on: 14000, 21000 and other QRGs. Moroccan fishery is abusing all bands since several years.

EI4GXB got the following intruder report:

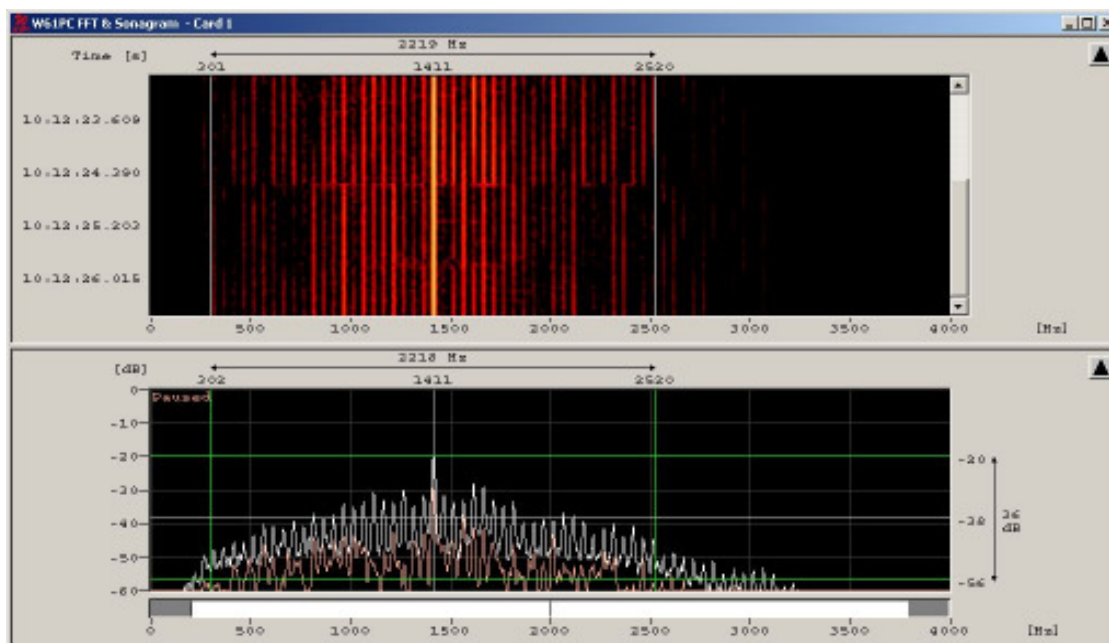
Here are a good few intruders in the 21 MHz band audible as soon as we have short skip sporadic possibilities towards the Canary Islands/North Africa. Heard one station today on 21203 MHz between 1930 and 2000z with a signal strength up to 58. Language was a sort of Arabic dialect. There was a constant machine sound audible- like a ship's motor. I got this sound plenty of times from other stations- sometimes stronger, sometimes weaker. Another frequent operator has a very very strong Scottish accent and I have trouble understanding him at all. One time I kept calling and asking for his call sign. After a while he said to his QSO partner that " he has to stop now because the neighbours are calling"- this was probably referring to me...I heard this station also one time around 18170 MHz just above the 17 metre band. All QSOs are always between 21180 and 21350 MHz in SSB. Sometimes they use a modulation I cannot read- neither SSB/USB/LSB,FM or AM. Languages heard so far : Spanish, Arabic and Arabic dialects, Scottish English, Dutch and a Japanese sounding language. Sometimes I can hear both stations in a QSO, sometimes only one station. There are no special times the stations operate-but I can hear them as soon the skip goes South. Judging by the sound of a motor I think they are all fishermen. Either on smaller ships or on big fishing ships like the Atlantic Dawn-which is off the Mauritanian coast all the time...area of propagation. Another permanent big fishing vessel in that area is a Dutch ship from Katweijk/Netherlands.

Comment of DK2OM:

These fellows are often transmitting out of the **12 nautical mile zone** only using personal names and no ship IDs. I discussed the problems with several PTTs. They told me, that there is no official chance for further investigations or punishments in such cases. The only thing we all have to do: Using the "infected" QRGs by strong HAM-signals.

4. Mysterious QRM on 50 MHz

During Sporadic-E you can often hear humming noises on 50 MHz sounding like a defective power supply. These signals are carriers from East-European TV transmitters. The screenshot (**DK2OM with Wavcom W61**) shows the carrier (centered white cursor line) and 50 Hz-fractions above and below. 5 MHz above you can find the related audio transmissions in FM wide. Screenshot from July, 22nd on 50100 kHz.



- 6. Homepage IARU Region 1 <http://www.iaru-r1.org/>
- Homepage IARUMS Region 1 <http://www.iarums-r1.org>
- Homepage IARUMS Region 2 <http://www.intruder-watch.org/>
- Homepage IARUMS Region 3 <http://www.iaru-r3.org/ms/>

Part 2: Detailed reports from the national Co-ordinators

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

ARSK MONITORING OVERVIEW FOR JULY, 2010

Again there seemed to be fewer intrusions by Somali stations on 40 meters, but more than usual from DRC.

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	*	7	DRC	UiPHONE	J3Eu	Vernacular.*12,30,
ARSK	7006.0	1436	31	7	DRC	UiPHONE		Vernacular.
ARSK	7008.0	vt	*	7	DRC	UiPHONE	J3Eu	Vernacular.*13,26,
ARSK	7009.0	vt	*	7	DRC	UiPHONE	J3E J3Eu	Vernacular.*8,21,26,
ARSK	7011.0	vt	*	7	SOM	UiPHONE	J3Eu	Somalis.*13,19,28,
ARSK	7015.0	vt	*	7	DRC	UiPHONE	J3E	French, vernacular.*21,31.
ARSK	7017.0	vt	*	7	DRC	UiPHONE	J3Eu	Vernacular.*12,16,
ARSK	7075.0	0807	19	7	DRC	UiPHONE	J3E	French, vernacular.
ARSK	7027.0	vt	*	7	DRC	UiPHONE	J3Eu	French, Selcal.*12,26,
ARSK	7028.0	vt	*	7	SOM	Kismayu	J3Eu	Somalis.*17,21,
ARSK	7030.0	vt	*	7	DRC	UiPHONE	J3Eu	French. *13,21,
ARSK	7032.0	0521	18	7	DRC	UiPHONE	J3E	Vernacular.
ARSK	7037.0	vt	*	7	SOM	UiPHONE	J3Eu	Somalis.*10,18,
ARSK	7045.0	vt	*	7	DRC	UiPHONE	J3Eu	French, Kiswahili, vernacular. SelCal.*12,
ARSK	7048.0	vt	*	7	SDN	UiPHONE	J3E	Vernacular, English, Selcal. .*19,
ARSK	7048.0	vt	*	7	SOM	UiPHONE	J3Eu	Somalis.*13,26,
ARSK	7050.0	0800	26	7	DRC	uiPHONE	J3Eu	Vernacular.
ARSK	7057.0	vt	*	7	SOM	UiPHONE	J3Eu	Somalis.*19,30,
ARSK+	7062.0	vt	*	7	SOM	UiPHONE	J3Eu	Somalis.*30,
ARSK	7066.0	0820	8	7	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7070.0	vt	*	7	DRC	UiPHONE	J3Eu	French, vernacular, Swahili.*8,16,19,26,29,30,
ARSK	7074.0	1341	10	7	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7075.0	vt	*	7	DRC	UiPHONE	J3E	French, English, phonetics. *26,31.
ARSK	7077.0	0809	19	7	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7080.0	vt	3	7	DRC	UiPHONE	J3E	Vernacular.
ARSK	7092.0	0810	19	7	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7094.0	1340	10	7	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7110.0	vt	dly	7	ETH	Addis Ababa	A3E	Broadcast, Addis Ababa, Ethiopia
ARSK	7141.0	1235	26	7	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7145.0	0822	8	7	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7150.0	vt	13	7	ERI?	UIBC	A2E	Broadcast. May be VOBM, Eritrea.
ARSK	7155.0	0755	30	7	ERI?	UiBC	AiE	May be VOBM, Eritrea.
ARSK	7165.0	vt	dly	7	ETH	Addis Ababa	A3E	Broadcast. Arabic, Amharic. Somali.
ARSK	7175.0	vt	*	7	ERI	VOBM?	A3E	Broadcast. *29,31.
ARSK	7185.0	0525	18	7	ERI?	VOBM?	A3E	Broadcast.
ARSK	7195.0	vt	dly	7	UGA	Kampala	A3E	Broadcast, Radio Uganda
ARSK	7200.0	vt	dly	7	SDN	Khartoum	A3E	Broadcast in Arabic, Khartoum.
ARSK	14060.0	0805	19	7	SOM	UiPHONE	J3E	Somalis.

DARC – Germany – Part 1 – DJ9KR (Ui)**PSE observe: BC (A3E) 7100 – 7200 kHz -> blue****Spanish fishery or other private intruders from Spain: red coloured!**

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	Remarks and Comments
DARC	3500,0	0750	08	07	G	UiILL	J3E-U	UK fishery
DARC	3500,0	0557	28	07	N.Eu	UiILL	J3E-U	Scandinavians
DARC	3500,0	vt	vd	07	E	UiILL	J3E-U	Spanish fishery, VOCODER CRY-2001 used, heard 24 28 31 at 1930, 2050, 1955
DARC	3500,0	vt	vd	07	E	UiILL	J3E-U	Spanish fishery with VOCODER CRY-2001, heard 30 31 at 2036, 2000
DARC	3508,0	2018	27	07	KOR	UiILL	J3E-U	Korean fishery
DARC	3510,0	vt	vd	07	E	UiILL	J3E-U	Spanish fishery, heard 21 22 24 at 1945, 0817, 2100 - using VOCODER CRY-2001
DARC	3520,0	1949	24	07	F	UiILL	J3E-U	French pirates heard
DARC	3520,0	vt	vd	07	HOL	UiILL	J3E-U	Dutch fishery, heard 20 22 at 2023, 0822, engine noise in background
DARC	3521,5	1847	20	07	UKR	UiILL	J3E-U	stns with VOCODER YAKHTA
DARC	3522,0	2134	09	07	G	UiILL	J3E-U	UK fishery, vy obscene to complaining ham
DARC	3530,0	0619	29	07	F	UiILL	J3E-U	French fishery
DARC	3535,0	2110	22	07	E	UiILL	J3E-U	Spanish fishery
DARC	3536,0	2027	22	07	E	UiILL	J3E-L	Spanish fishery, mentioning "barco" and "Calamares", SSB-LSB used
DARC	3540,0	2017	08	07	I	UiILL	J3E-U	Italian fishery
DARC	3550,0	0615	07	07	F	French Lis Amateurs	A3E	large net, using AM in CW-section, just info!
DARC	3550,0	vt	vd	07	E	UiILL	J3E-U	Spanish fishery, using VOCODER CRY-2001, heard 17 24 25 at 2030, 2050, 2040
DARC	3560,0	1930	30	07	KRE	V.o.Korea (North)	A3E	is audible
DARC	3560,0	2007	30	07	F	UiILL	J3E-U	French fishery
DARC	3560,0	2024	31	07	F	UiILL	J3E-U	French fishery
DARC	3572,0	2037	07	07	E	UiILL	J3E-U	Spanish fishery with Vocoder CRY-2001
DARC	3575,0	2049	07	07	E	UiILL	J3E-U	Spanish fishery
DARC	3575,0	0713	10	07	F	French Lis Amateurs	A3E	not conform to IARU band plan: no AM in CW section! - hard core people
DARC	3577,0	2115	18	07	CIS	UiILL	J3E-U	male person in Russian voice
DARC	3577,0	2027	21	07	RUS	UiILL	J3E-U	male person spelling Russian figures
DARC	3590,0	ady	dly	07	E	UiILL	J3E-U	Spanish fishery heard all month (62 reports!!!) at 0510, 0650, 1950 - 2100 - starting traffic by whistling, location Biscaya
DARC	3600,0	1703	26	07	F	French Lis Amateurs	A3E	AM used
DARC	6998,4	1646	08	07	F	UiILL	J3E-U	French male voice
DARC	6998,5	vt	vd	07	F	UiILL	J3E-U	French pirates splattering into ham band, heard 08 09 10 at 0819, 1712, 0730
DARC	7000,0	1630	08	07	F	UiILL	J3E-U	French pirates using USB
DARC	7000,0	vt	08	07	I	UiILL	J3E-U	2 male persons in Italian voice, S9+15dB, heard 1643 - 1645
DARC	7000,0	vt	vd	07	E	UiILL	J3E-U	Spanish fishery, heard 08 09 29 at 2154, 1018, 1707
DARC	7001,0	2122	16	07	MRC	UiILL	J3E-U	Moroccan fishery
DARC	7009,0	vt	23	07	MDA	Maiak Grigoriopol	A3E	Russian px, heard 1953 - 2020, is MIX 6010 kHz + 999 kHz from Maiak Radio Centre Grigoriopol Moldova
DARC	7025,0	2020	20	07		BC	A3E	BC heard
DARC	7038,7	2020	05	07	UKR	beacon D	A1A	is Sevastopol
DARC	7038,7	2307	12	07		beacon D	A1A	is Sevastopol
DARC	7038,8	1622	20	07	RUS	beacon P	A1A	is Kaliningrad, heard 1622 and 2017
DARC	7038,9	2020	05	07	RUS	beacon S	A1A	is Murmansk
DARC	7039,0	2020	05	07	RUS	beacon C	A1A	is Moscow

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	Remarks and Comments
DARC	7039,0	1953	23	07	RUS	beacon C	A1A	is Moscow
DARC	7052,0	1945	12	07		UiMUX	FSK8	ALE heard
DARC	7054,0	2017	20	07		UiPTR	F1B	fast reversals
DARC	7054,0	1953	23	07	RUS	UiPTR	F1B	fast reversals
DARC	7000,0	vt	vd	07		BC-Stations	A3E	BC stations are not allowed in range 7000 - 7200 kHz - marked with blue colour
DARC	7105,0	2035	04	07	TUN	RTV Tunisia	A3E	is active - is IM of 7225 and 7345 - found // 7225
DARC	7105,0	2045	08	07	TUN	RTV Tunisia	A3E	Ar px and mx
DARC	7105,0	1940	12	07	TUR	RTV Tunisia	A3E	Ar px
DARC	7105,0	2030	19	07	TUN	RTV Tunisia	A3E	Ar px
DARC	7105,0	2020	20	07	TUN	RTV Tunisia	A3E	Ar px
DARC	7105,0	2034	21	07	TUN	RTV Tunisia	A3E	Ar mx, S6, is IM of 7225 and 7345 - found // 7225
DARC	7110,0	0645	01	07	ETH	R. Ethiopia	A3E	weak signal
DARC	7110,0	0415	03	07	ETH	R. Ethiopia	A3E	
DARC	7110,0	2035	04	07	ETH	R. Ethiopia	A3E	S8+25dB-signal
DARC	7110,0	2020	05	07	ETH	R. Ethiopia	A3E	S8+25dB-signal
DARC	7110,0	1936	06	07	ETH	R. Ethiopia	A3E	African music and voice
DARC	7110,0	2030	19	07	ETH	R. Ethiopia	A3E	S9+30dB-signal
DARC	7110,0	2020	20	07	ETH	R. Ethiopia	A3E	HOA music
DARC	7110,0	1940	23	07	ETH	R. Ethiopia	A3E	
DARC	7111,0	vt	vd	07	UKR	UiMUX	PSK2	rushing noise heard 02 08 12 at 1730 - 1830, location Sevastopol
DARC	7122,0	0645	01	07		UiPTR	F1B	fast reversals
DARC	7123,0	1742	08	07		UiPTR	F1B	unid printer
DARC	7125,0	0645	01	07	GUI	R. Conakry	A3E	HOA music, weak
DARC	7125,0	2035	04	07	GUI	R. Conakry	A3E	S8-signal
DARC	7125,0	1944	06	07	GUI	R. Conakry	A3E	music and voice, defective modulation, also rushing noise
DARC	7125,0	2056	10	07	GUI	R. Conakry	A3E	African music and voice
DARC	7125,0	2307	12	07	GUI	R. Conakry	A3E	weak signal
DARC	7125,0	2123	13	07	GUI	R. Conakry	A3E	S8-signal
DARC	7125,0	2050	16	07	GUI	R. Conakry	A3E	French px
DARC	7125,0	2030	19	07	GUI	R. Conakry	A3E	is active
DARC	7125,0	1859	30	07	GUI	R. Conakry	A3E	distorted music and female voice, defective modulation
DARC	7133,0	1745	08	07		UiILL	J3E-U	Radio Amateur in SSB-USB? Asked to change sideband: no reaction
DARC	7150,0	0415	03	07	ETH	ETH Govt. Jammer	JAM	white noise jammer, also jammer // 7165
DARC	7150,0	1804	12	07	ETH	ETH Govt. Jammer	JAM	white noise jammer
DARC	7155,0	0605	07	07		UiBC	A3E	unid BC
DARC	7160,0	0458	dly	07	ROU	Radio Romania	DRM	DRM heard, splattering down from 7215 – German PTT is informed!
DARC	7160,0	1902	30	07	ETH	ETH Govt. Jammer	JAM	white noise jammer
DARC	7165,0	0415	03	07	ETH	ETH Govt. Jammer	JAM	white noise jammer, BC underneath slightly audible, also jammer // 7150
DARC	7165,0	0515	03	07	ERI	V.o.Broad Masses	A3E	slightly audible under jammer
DARC	7165,0	1521	10	07	ETH	R. Ethiopia	A3E	2 px at the same time, HOA music
DARC	7165,0	1521	10	07	ERI	V.o.Broad Masses	A3E	2 px at the same time, HOA music

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	Remarks and Comments
DARC	7165,0	1615	10	07	ETH	ETH Govt. Jammer	JAM	white noise jammer
DARC	7165,0	1730	10	07	ETH	ETH Govt. Jammer	JAM	jam and BC audible
DARC	7165,0	1730	10	07	ERI	V.o.Broad Masses	A3E	jam and BC audible
DARC	7165,0	1622	20	07	ETH	ETH Govt. Jammer	JAM	white noise jammer
DARC	7165,0	1622	20	07	ERI	V.o.Broad Masses	A3E	covered by white noise jammer from ETH
DARC	7165,0	1625	23	07	ETH	ETH Govt. Jammer	JAM	white noise jammer, BC slightly audible
DARC	7165,0	1625	23	07	ERI	V.o.Broad Masses	A3E	barely readable under white noise jammer
DARC	7165,0	vt	vd	07		BC	A3E	heard 01 - 22 at 1748 - 1815 with HOA px, sometimes covered by white noise jammer
DARC	7173,0	2134	02	07	G	BBC (?)	A3E	IM-product?
DARC	7173,0	0500	24	07	G	BBC (?)	A3E	IM-product? - still heard 5 August 2010
DARC	7175,0	1940	12	07	E.Af	UiBC	A3E	Ar px heard - is it ERI or ETH?
DARC	7175,0	1622	20	07	ETH	ETH Govt. Jammer	JAM	white noise jammer
DARC	7175,0	vt	23	07	E.Af	UiBC	A3E	heard 1818 - 1940 - ERI or ETH?
DARC	7175,0	vt	vd	07		BC	A3E	heard 01 - 31 at 1750 - 1904 with HOA px
DARC	7175,0	2105	24	07		UiBC	A3E	spurious, only lower sideband heard and no carrier, is very unstable, chirpy and difficult to read - fundamental found on 7405 with English px - another IM found on 7635 also unstable
DARC	7185,0	1521	10	07	ETH	ETH Govt. Jammer	JAM	white noise jammer
DARC	7185,0	1730	10	07		UiCAR	N0N	long lasting carrier S9+20dB
DARC	7185,0	1814	12	07	ETH	ETH Govt. Jammer	JAM	white noise jammer
DARC	7185,0	2123	13	07	F	RFI	A3E	Splatters from 7205
DARC	7185,5	1940	12	07	D	DK0ESD	FSK8	Amateur Call, weather news for yachties
DARC	7185,5	2310	12	07	D	DK0ESD	FSK8	mux, weather news for yachties
DARC	7185,5	vt	13	07	D	DK0ESD	FSK8	mux heard 0240, 0755 - weather news for yachties
DARC	7190,0	0100	02	07	CLN	SriLanka BC	A3E	Indian film music, S8-signal
DARC	7190,0	0137	25	07	CLN	SriLanka BC	A3E	S8-signal
DARC	7191,0	vt	vd	07	RUS	UiMUX	PSK2	mux heard 01 - 30 at 1812 - 1906, is Kaliningrad
DARC	7192,0	0645	19	07		UiPTR	F1B	fast reversals
DARC	7200,0	0645	01	07	SDN	R.Omdurman	A3E	Ar px S7
DARC	7200,0	2043	01	07	SDN	R.Omdurman	A3E	Arabic px
DARC	7200,0	0200	03	07	IRN	IRIB Teheran	A3E	Al-Qur' an recitals
DARC	7200,0	0415	03	07	SDN	R.Omdurman	A3E	Arabic px
DARC	7200,0	2035	04	07	SDN	R.Omdurman	A3E	S8-signal
DARC	7200,0	2020	05	07	SDN	R.Omdurman	A3E	S9-signal
DARC	7200,0	0605	07	07	SDN	R.Omdurman	A3E	Ar px S7
DARC	7200,0	2045	08	07	SDN	R.Omdurman	A3E	HOA music, Ar px
DARC	7200,0	vt	10	07	SDN	R.Omdurman	A3E	HOA music S9+15dB, heard 1732,

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	Remarks and Comments
						an		2056
DARC	7200,0	1940	12	07	SDN	R.Omdurm an	A3E	Ar px heard
DARC	7200,0	2310	12	07		BC	A3E	no signal heard!
DARC	7200,0	0240	13	07	IRN	IRIB Teheran	A3E	Spanish px heard
DARC	7200,0	0240	13	07	SDN	R.Omdurm an	A3E	Ar px heard under Spanish px
DARC	7200,0	2123	13	07		BC	A3E	no signal heard!
DARC	7200,0	2050	16	07	SDN	R.Omdurm an	A3E	Ar px
DARC	7200,0	2105	18	07	SDN	R.Omdurm an	A3E	Ar px
DARC	7200,0	2030	19	07	SDN	R.Omdurm an	A3E	Ar px
DARC	7200,0	2020	20	07	SDN	R.Omdurm an	A3E	Ar px
DARC	7200,0	0545	21	07		UiMUX	XXX	mux
DARC	7200,0	1940	23	07	SDN	R.Omdurm an	A3E	Arabic px
DARC	7200,0	0137	25	07	IRN	IRIB Teheran	A3E	Spanish px S9+30dB
DARC	7200,0	vt	vd	07		UiBC	A3E	harmful splatters down till 7185 kHz from tx-er on 7205, heard 1800 - 2000 with Russian px
DARC	7205,0	2020	05	07	F	R.France Inter	A3E	harmful splatters down till 7185 kHz
DARC	7205,0	2030	19	07	F	R.France Inter	A3E	splatters from 7205 down till 7185
DARC	10101,0	0617	12	07	E	UiILL	J3E-U	Spanish fishery
DARC	10101,0	1750	15	07		UiILL	J3E-U	unid pirates, unid language
DARC	10101,0	2000	16	07	MRC	UiILL	J3E-U	Moroccan fishery
DARC	10101,0	1526	18	07	E	UiILL	J3E-U	2 male persons in Spanish voice
DARC	10101,0	vt	vd	07	MRC	UiILL	J3E-U	Moroccan fishery, heard 12 17 at 2000, 1919
DARC	10101,5	1926	18	07	MRC	UiILL	J3E-U	Moroccan pirates
DARC	10103,0	1650	17	07	(E?)	UiILL	J3E-U	fishery
DARC	10123,0	1120	30	07		UiILL	J3E-U	pirates in English voice, fishery, obscene and rude to hams
DARC	10125,8	0737	04	07		UiILL	J3E-U	2 male persons in Spanish voice, no amateurs!
DARC	10130,0	vt	23	07	E	UiILL	J3E-U	2 male persons in Spanish, S9+210dB, s/off after intervention of ham radio stn - heard 1944 - 1946
DARC	10135,3	1939	12	07		UiBC	A3E	BC heard
DARC	10143,0	1948	05	07		UiILL	J3E-U	2 male voices, unid language, QRM- ing DK0WCY-beacon
DARC	10145,0	0618	23	07	RUS	UiMUX	PSK2	AT-3004-D, rushing noise. Location Moscow
DARC	10150,0	2128	13	07	MRC	UiILL	J3E-U	Moroccan fishery
DARC	10150,0	2100	16	07	MRC	UiILL	J3E-U	Moroccan fishery
DARC	10150,0	0617	23	07	RUS	UiILL	J3E-U	Ru male traffic with big wandering heterodyne in back ground, then mux
DARC	10150,0	vt	vd	07	E	UiILL	J3E-U	Spanish fishery, engine noise heard, reported 24 25 26 at 1923, 0734, 0909
DARC	10150,0	vt	vd	07	MRC	UiILL	J3E-U	Moroccan fishery heard 27 28 at 2005, 1732
DARC	13997,0	1013	02	07	POR	UiILL	J3E-U	male net in Port. voice, splattering up into ham band
DARC	13998,3	0626	09	07	I	Napoli Radio	A3E	song "Napoli" at 0627, S8-signal
DARC	13998,3	1240	10	07	I	Napoli Radio	A3E	ann.: "Napoli Radio" heard at 1240
DARC	13998,5	2007	08	07	KOR	UiILL	J3E-U	Korean ships in SSB-USB splattering into ham band
DARC	13998,6	2045	08	07	I	Napoli Radio	A3E	song "Napoli" at 2045

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	Remarks and Comments
DARC	13998,6	1444	10	07	I	Napoli Radio	A3E	ann.: "Napoli Radio" heard at 1444
DARC	13998,8	0900	11	07	I	Napoli Radio	A3E	weak signal
DARC	14000,0	2010	29	07		UiILL	J3E-U	pirates in French voice, location NW-Africa?
DARC	14000,0	vt	vd	07	I	Napoli Radio	A3E	heard around 14000 kHz from 01 -21 at 0738 - 1930
DARC	14000,0	vt	vd	07	B	UiILL	J3E-U	pirates from North Brazil, heard 07 16 30 31 at 1950 - 2100
DARC	14000,0	vt	vd	07	E	UiILL	J3E-U	Spanish fishery heard all month (32 reports!!!) at 1413, 1517 - 2119 - usually QSY to 14395
DARC	14000,1	vt	01	07	I	Napoli Radio	A3E	S4-signal heard 1659 - 1721-
DARC	14000,2	0746	18	07	I	Napoli Radio	A3E	is audible
DARC	14000,4	1540	16	07	F.Ea	UiILL	J3E-U	Tamil fishery
DARC	14000,5	2028	06	07	I	Napoli Radio	A3E	is active, S6-signal
DARC	14000,7	2013	05	07	I	Napoli Radio	A3E	is active
DARC	14000,8	vt	04	07	I	Napoli Radio	A3E	heard 2029 - 2035
DARC	14000,8	vt	06	07	I	Napoli Radio	A3E	heard 1800 - 1909, ann: Napoli Radio (1820)
DARC	14000,8	1530	16	07	I	Napoli Radio	A3E	jingle of "Napoli Radio" at 1530
DARC	14001,0	0940	01	07	F	UiILL	J3E-U	pirates in French voice, QTE 210 degs. from DL
DARC	14001,0	1454	05	07	I	Napoli Radio	A3E	Napoli Radio – in the meantime disabled
DARC	14001,5	0749	10	07	CLN	UiILL	J3E-U	Tamil fishery
DARC	14005,0	0958	20	07	MRC	UiILL	J3E-U	Moroccan fishery
DARC	14008,0	0630	08	07	RUS	UiPTR	F1B	S9+10dB-signal
DARC	14008,0	1035	14	07	RUS	UiPTR	F1B	printer
DARC	14010,0	0700	16	07	MRC	UiILL	J3E-U	Moroccan fishery
DARC	14010,0	0707	16	07	MRC	UiILL	J3E-U	Moroccan fishery
DARC	14020,0	1035	05	07	F.Ea	UiILL	J3E-U	pirates from Far East, QTE 090 degs from DL
DARC	14026,0	0630	09	07	RUS	UiMUX	J7D	PSK2, location Moscow
DARC	14026,0	1545	14	07	RUS	UiMUX	J7D	PSK2, location Moscow
DARC	14040,0	0627	07	07	MRC	UiILL	J3E-U	Moroccan fishery
DARC	14040,0	1704	13	07	MRC	UiILL	J3E-U	Moroccan fishery
DARC	14040,0	1700	16	07	MRC	UiILL	J3E-U	Moroccan fishery
DARC	14060,0	0816	05	07	E	UiILL	J3E-U	Spaniard and wife, to 14065
DARC	14065,0	0818	05	07	E	UiILL	J3E-U	Spaniard and wife, from 14060
DARC	14100,0	vt	vd	07	E	UiILL	J3E-U	Spanish fishery, heard 17 26 27 at 1756, 2020, 2107, 2050
DARC	14101,0	vt	23	07	MRC	UiILL	J3E-U	2 male persons in Moroccan and Spanish voice, is fishery
DARC	14105,0	2111	27	07	MRC	UiILL	J3E-U	Moroccan fishery
DARC	14140,0	1030	21	07		OTH-Radar	P0N	S9+30dB, 135 degs.
DARC	14160,0	0926	22	07		UiPTR	F1B	is active
DARC	14192,0	0737	04	07	RUS	UiPTR	F1B	fast reversals
DARC	14192,0	1606	08	07	RUS	UiPTR	F1B	fast reversals
DARC	14192,0	0610	23	07	RUS	UiPTR	F1B	fast reversals
DARC	14233,0	0926	22	07		UiMUX	PSK2	multiplex
DARC	14237,0	0858	23	07		UiMUX	PSK2	multiplex
DARC	14240,0	vt	22	07		UiPTR	F1B	heard 1033 - 1156, S9+30dB
DARC	14241,5	0737	04	07		UiMUX	FSK8	ALE heard
DARC	14271,0	vt	23	07		UiCAR	N0N	carrier S9+35dB lasting 0610 - 0613
DARC	14272,0	1618	20	07		UiPTR	F1B	
DARC	14277,0	0630	08	07	RUS	UiMUX	OFDM	128 tones, location is Kaliningrad
DARC	14277,0	1033	22	07	RUS	UiMUX	OFDM	128 tones, location is Kaliningrad
DARC	14277,0	vt	23	07	RUS	UiMUX	OFDM	128 tones, heard 0811 - 1256

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	Remarks and Comments
DARC	14295,1	1833	03	07	TJK	R. Tajikistan	A3E	is 3rd harmonic of 4765, daily
DARC	14295,1	1715	04	07	TJK	R. Tajikistan	A3E	is 3rd harmonic of 4765, daily
DARC	14295,1	0630	08	07	TJK	R. Tajikistan	A3E	is 3rd harmonic of 4765, daily
DARC	14319,8	vt	08	07		UiCAR	N0N	carrier S9+20dB found 0830 - 0905, QTE 090 degs.
DARC	14340,0	vt	vd	07	MRC	UiILL	J3E-U	Moroccan fishery heard 26 28 at 1919, 1734
DARC	14350,0	1430	24	07	RUS	UiILL	J3E-U	2 m in Russian voice, mis-led amateurs?
DARC	14350,0	vt	vd	07	E	UiILL	J3E-U	Spaniard and his wife, heard 23 27 at 1315, 1638 - just info!
DARC	18080,0	vt	vd	07	E	names	J3E-U	Spanish fishermen
DARC	18100,0	0822	23	07		OTH-Radar	P0N	OTH-Radar S9+30dB
DARC	18105,0	1458	11	07		UiILL	J3E-U	unid language
DARC	18162,0	1250	23	07		UiILL	J3E-L	2 male persons in Arabic voices, S9+10dB
DARC	18180,0	1336	24	07		OTH-Radar	P0N	15 kHz spread, into ham band
DARC	21000,0	vt	05	07	TUR	OTH-Radar	P0N	Turkish OTH-Radar, location Istanbul, heard 1033 - 1144
DARC	21000,0	0855	06	07	SDN	MFA Khartoum	J3E-U	MFA Khartoum with SDN Emba in Yemen
DARC	21000,0	0855	06	07	YEM	SDN Emba Yemen	J3E-U	MFA Khartoum with SDN Emba in Yemen
DARC	21000,0	0958	13	07	E	UiILL	J3E-U	calls in Spanish heard
DARC	21000,0	1032	13	07	F	UiILL	J3E-U	French male person counting several times from 1 - 10
DARC	21000,0	1244	13	07	F.Ea	UiILL	J3E-U	Far East pirates, J or KOR?
DARC	21000,0	1515	13	07	SDN	MFA Khartoum	J3E-U	MFA Khartoum with SDN Emba in Yemen
DARC	21000,0	1515	13	07	YEM	SDN Emba Yemen	J3E-U	MFA Khartoum with SDN Emba in Yemen
DARC	21000,0	vt	13	07	E	UiILL	J3E-U	2 male persons in Spanish voice, heard 0800 - 0807
DARC	21000,0	vt	13	07	E	UiILL	J3E-U	2 male persons in Spanish voice, heard 1057 - 1100
DARC	21000,0	0823	21	07	E	UiILL	J3E-U	Spanish fishery
DARC	21000,0	1310	21	07	Af	UiILL	J3E-U	African pirates
DARC	21000,0	2058	21	07	F	UiILL	J3E-U	pirates in Russian language, QTE from DL: 220 degs.
DARC	21000,0	vt	vd	07	E	UiILL	J3E-U	Spanish fishery, heard all month (17 reports) from 0600 - 1815
DARC	21000,4	vt	vd	07	F.Ea	UiILL	J3E-U	Far East pirates, heard 17 26 29 at 1228, 1318, 1330, 1230 - is Tamil fishery
DARC	21022,0	0823	31	07	E	UiILL	J3E-U	Spanish fishery
DARC	21070,0	0858	25	07		OTH-Radar	P0N	20 kHz spread
DARC	21100,0	1200	06	07	S.Eu	UiILL	F3E	2 male persons in Portuguese or Galician voice
DARC	21100,0	vt	vd	07	TUR	Turkish OTH-Radar	P0N	20 kHz spread, 50 pps
DARC	21222,2	1202	13	07	MRC	UiILL	J3E-U	2 male persons heard, is MRC fishery, one person has shrieky voice
DARC	21340,0	1610	10	07		OTH-Radar	P0N	20 kHz spread
DARC	21395,6	vt	13	07	E	UiILL	J3E-U	2 male persons in Spanish heard 1402 - 1410, OPs Enrique and Jorge, ship's name is "Antonio", posn. "south of Morocco"
DARC	28000,0	0732	06	07	I	UiILL	J3E-U	Italian CB-like traffic
DARC	28000,0	1750	10	07	I	UiILL	J3E-U	Italian CB-like traffic

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	Remarks and Comments	
DARC	28000,0	1328	16	07	G	UiILL	J3E-U	2 m in English voice, to SSB-LSB	
DARC	28005,0	0815	23	07	E	UiILL	A3E	2 m in Spanish voice	
DARC	28005,0	vt	vd	07	RUS	Taxi Cabs	F3E	Russian taxi business heard 04 22 at 0811, 1016	
DARC	28015,0	0920	08	07	RUS	Taxi Cabs	F3E	Russian taxi business	
DARC	28015,0	0910	22	07	RUS	Taxi Cabs	F3E	Russian taxi business	
DARC	28015,9	1025	19	07	E	UiILL	A3E	male person in Spanish voice	
DARC	28016,5	1025	19	07	E	UiILL	A3E	male person in Spanish voice	
DARC	28055,0	0842	04	07	RUS	Taxi Cabs	F3E	Russian taxi business	
DARC	28055,0	vt	23	07	E	Zorro	A3E	OP Israel Martinez-Penarrubia, Av. Blasco Ibanez N° 8, Valencia 43070, Spain - heard 0722 - 0729	
DARC	28055,0	vt	vd	07	RUS	Taxi Cabs	F3E	Russian taxi business heard 05 06 21 at 1904, 1013, 2000	
DARC	28065,0	1927	09	07	RUS	Taxi Cabs	F3E	Russian taxi business	
DARC	28065,0	0629	23	07	E	UiILL	A3E	2 male persons in Spanish voice	
DARC	28075,0	vt	vd	07	RUS	Taxi Cabs	F3E	Russian taxi business heard 06 26 at 0709, 1916	
DARC	28077,2	1025	19	07	E	UiILL	A3E	male person in Spanish voice	
DARC	28085,0	1025	19	07	E	UiILL	A3E	2 male persons in Spanish voice	
DARC	28095,0	0909	22	07	RUS	Taxi Cabs	F3E	Russian taxi business	
DARC	28105,0	0720	06	07	RUS	Taxi Cabs	F3E	Russian taxi business	
DARC	28105,0	0845	08	07	E	UiILL	A3E	Spanish CB-like traffic	
DARC	28115,0	2012	21	07	RUS	Taxi Cabs	F3E	Russian taxi business	
DARC	28145,0	0838	04	07	RUS	Taxi Cabs	F3E	Russian taxi business	
DARC	28145,0	1929	19	07	F	UiILL	F3E	pirates in French language	
DARC	28155,0	vt	vd	07	RUS	Taxi Cabs	F3E	Russian taxi business heard 08 22 at 0921, 1249	
DARC	28195,0	0709	06	07	RUS	Taxi Cabs	F3E	Russian taxi business	
DARC	28205,0	1903	05	07	F	UiILL	F3E	pirates in French voice	
DARC	28205,0	1012	07	07	RUS	Taxi Cabs	F3E	Russian taxi business	
DARC	28205,8	0752	19	07	E	UiILL	A3E	male person in Spanish voice	
DARC	28235,0	0845	08	07	E	UiILL	A3E	Spanish female voices	
DARC	28255,0	0759	19	07	E	UiILL	A3E	2 male persons in Spanish voice	
DARC	28255,0	1939	19	07	F	UiILL	A3E	pirates in French language	
DARC	28295,0	2040	21	07	RUS	Taxi Cabs	F3E	Russian taxi business	
DARC	28305,0	2057	08	07	I	UiILL	F3E	2 Italian male persons, S7-signal	
DARC	28315,0	0721	06	07	RUS	Taxi Cabs	F3E	Russian taxi business	
DARC	28915,0	0911	22	07	RUS	Taxi Cabs	F3E	Russian taxi business	

DARC – Germany – Part 2 – DK2OM (Wolf)

PSE observe:

FSK transmissions -> center frequency between mark and space

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

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

DARC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
DARC	1812,0	1800	dly	07	POL		A3E			Polish “PIP” – 10 tones – North-Poland – Baltic coast - POL Navy ?
DARC	1896,5	ady	dly	07	D		PSK8	2400	2600	Stanag4285 – 600 bps long German Navy – North-Germany
DARC	3500,0	vt	dly	07	TUR	no ITU	FSK8	125	1750	ALE, “1020” “2010” “2015” - Turkish Red Crescent
DARC	3500,0	2024	15	07						frequency hopper
DARC	3502,7	2116	15	07			PSK2	120	2600	AT3004D -
DARC	3503,5	vt	dly	07	G	no ITU	FSK8	125	1750	ALE – “XSS” “XPU” – British MIL Tascomm
DARC	3508,0	2015	27	07						frequency hopper
DARC	3516,0	2114	11	07						frequency hopper
DARC	3526,8	1704	26	07	E		PSK4	2250	2400	ship, north west of Spain
DARC	3527,0	2100	19	07	RUS		F1B	50	200	Murmansk
DARC	3533,0	vt	dly	07	E	no ITU	FSK	125	1750	ALE, “TYV” “TWL” - Spanish Guardia Civil

DARC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
DARC	3545,0	ady	dly	07	ALG		FSK8	125	1750	ALE, "FL47" "PT50" - ALG MIL
DARC	3550,0	vt	dly	07	F	no ITU	FSK8	125	1750	ALE, "DRI" - French MIL
DARC	3553,8	ady	dly	07	TUR		PSK8	2400	2600	Stanag4285 – TUR MIL
DARC	3558,0	vt	dly	07	TUR	no ITU	FSK8	125	1750	ALE, "1020" Turkish Red Crescent
DARC	3560,0	1800	dly	07	KRE		A3E			Voice of North-Korea – illegal!
DARC	3560,5	2006	15	07			PSK2	120	2600	AT3004D -
DARC	3566,0	vt	dly	07	E	no ITU	FSK8	125	1750	ALE, "TWL" "TXX" "TZS" "TYM" Spanish Guardia Civil
DARC	3570,5	1956	24	07	LTU		F1B	81	250	system 81-81
DARC	3572,5	2019	15	07	BLR		PSK2	120	2600	AT3004D - Molodechno
DARC	3577,0	ady	dly	07	I	IZ3DVW	A1A			uncoordinated beacon
DARC	3585,0	1700	dly	07	TWN	HLL	F1C			120 rpm, IOC 576, Wxfax
DARC	3586,5	2110	20	07	BEL		OFDM	44.5	1800	OFDM27 - west of Brussels
DARC	3587,0	2157	07	07	E	no ITU	FSK8	125	1750	ALE, "TXX2" – Spanish Guardia Civil
DARC	3588,0	1927	31	07	RUS		PSK2	120	2600	AT3004D - Kaliningrad
DARC	3589,5	1820	22	07			PSK2	120	2600	AT3004D
DARC	3590,0	vt	dly	07	PAK	no ITU	FSK8	125	1750	ALE, "KW" "BABUR" "IBAR" "KHA" "NRS"
DARC	3593,8	2030	24	07	RUS	P	A1A			beacon "P" – Kaliningrad - legal
DARC	3594,0	vt	dly	07	ALG	no ITU	FSK8	125	1750	ALE, "BT30" "FS30" "WA30"
DARC	3595,0	vt	dly	07	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	07	HRV	9A0ALE	FSK8	125	1750	Croatian emergency ALE-net --- for info!
DARC	3596,0	vt	dly	07	D	DK0ESD	FSK8	125	1750	ALE, "DK0ESD" – just for info
DARC	3597,0	1924	31	07						frequency hopper
DARC	3603,0	vt	vd	07	D	DA0EC	PSK8	2000	2000	RFSM 8000 – amateur emergency net - Berlin - legal operation - just for info!!!
DARC	3608,0	2129	19	07	RUS		F1B	50	200	Kaliningrad
DARC	3622,5	1845	dly	07	J	JMH	F1C			Tokyo Meteo - 120 rpm - IOC 576 – weather charts
DARC	3735,0	1600	dly	07	POL		F1B	43	500	idling, South of Warsaw
DARC	3741,5	2130	30	07	RUS		PSK2	120	2600	AT3004D - area of St. Petersburg
DARC	3746,0	2020	27	07	BLR		F1B	75	200	north of Minsk
DARC	3782,0	ady	dly	07	POR	CTP	F1B	75	850	POR Navy headquarter Lisbon
DARC	7000,0	vt	dly	07	IRQ	no ITU	FSK8	125	1750	ALE, "Tallil" "Basrah" "Alkut"– US MIL Iraq
DARC	7000,0	vt	dly	07						frequency hopper
DARC	7000,0	vt	dly	07	IRQ	no ITU	FSK8	125	1750	ALE, "T3Z158" "TEAGLE" - US MIL
DARC	7000,0	vt	dly	07						frequency hopper
DARC	7000,0	vt	dly	07	LBY	no ITU	FSK8	125	1750	ALE, "HQ3" "Ghadames" – Libyan GMRA
DARC	7000,0	0700	14	07	RUS		PSK2	120	2600	AT3004D - Far East Russia
DARC	7001,0	1900	28	07	RUS		uniden		2000	7001 carrier and both sidebands – usb and lsb with white noise ? area of Irkutsk
DARC	7001,5	1753	09	07	GEO	no ITU	F1B	300	200	Packet 300 Bd, idents: "Stavka" "Globus" – 5 figure groups – location POTI – Black Sea
DARC	7008,0	vt	dly	07		no ITU	FSK8	125	1750	ALE, "222" "297" "847" "981"
DARC	7008,0	0717	14	07	BLR		F1B	75	250	Minsk
DARC	7010,0	vt	dly	07	GRC	no ITU	FSK8	125	1750	ALE, "RS004A" - NATO NC3A Network
DARC	7014,0	vt	dly	07	NIG	no ITU	FSK8	125	1750	ALE, "4411" "4412" "4413" Nigerian MOI (police)
DARC	7017,0	1600	07	07	RUS		PSK2	120	2600	Samara
DARC	7020,0	vt	dly	07	GRC	no ITU	FSK8	125	1750	ALE, "BS008C1" "CS004A" - NATO NC3A Network

DARC	KHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
DARC	7022,0	1838	03	07	RUS		PSK2	120	2600	Kaliningrad
DARC	7031,0	1654	22	07	RUS		F1B	40.5	200	system "Frost 1" - Kaliningrad
DARC	7034,0	0950	31	07	RUS		F1B	75	250	Moscow
DARC	7036,0	1626	21	07	RUS		PSK2	120	1750	AT3004D - area of Jekaterinburg
DARC	7038,7	ady	dly	07	UKR	D	A1A			Cluster beacon – Sevastopol RUS Navy – "RCV"
DARC	7038,8	ady	dly	07	RUS	P	A1A			Cluster beacon – Kaliningrad RUS Navy – "RMP"
DARC	7038,9	ady	dly	07	RUS	S	A1A			Cluster beacon – Murmansk RUS Navy – „RIT“
DARC	7039,0	ady	dly	07	RUS	C	A1A			Cluster beacon - Moscow RUS Navy - "RIW"
DARC	7039,9	ady	dly	07	I	IZ3DVW	A1A			IZ3DVW – beacon not coordinated
DARC	7040,5	vt	dly	07	D	DK0ESD	FSK8	125	1750	ALE, "DK0ESD" – just for info
DARC	7045,0	2038	21	07	RUS?		F1B	75	250	
DARC	7046,0	0822	07	07						frequency hopper
DARC	7054,0	vt	dly	07	RUS		F1B	50	200	RUS MIL - Moscow
DARC	7079,0	1829	23	07	RUS		PSK2	120	2600	Kaliningrad
DARC	7081,0	2010	09	07	AZE		PSK2	120	2600	area of Azerbaijan
DARC	7088,0	1033	25	07	POL		F1B	100	150	Warsaw
DARC	7092,0	vt	dly	07	TUR	no ITU	FSK8	125	1750	ALE, "2010" "2016" - Turkish Red Crescent
DARC	7111,0	0739	06	07	UKR		PSK2	120	2600	Sevastopol
DARC	7115,0	1507	29	07	RUS		PSK2	120	2600	AT3004D - Russian ship south of Copenhagen
DARC	7116,0	vt	dly	07	CHN	no ITU	FSK8	125	1750	ALE, "1706" "984" "139"
DARC	7117,0	1310	04	07						frequency hopper
DARC	7122,0	vt	vd	07	RUS	RDL	F1B	50	200	RUS Navy - area of Murmansk
DARC	7133,0	0827	08	07	RUS		PSK2	120	2600	Kaliningrad
DARC	7136,5	0758	12	07	UKR		F1B	100	150	West UKR
DARC	7140,0	vt	dly	07	UZB	no ITU	FSK8	125	1750	ALE, "1104" "1708" "1703"
DARC	7141,0	vt	dly	07		no ITU	FSK8	125	1750	ALE, "7852"
DARC	7145,6	0919	23	07	BLR		F1B	50	600	Minsk - weak signal
DARC	7165,0	1620	dly	07	ETH	QRM	A3E			white noise from Radio Ethiopia
DARC	7166,0	1830	02	07	RUS?		A1A			encrypted letters and figures, ship – East Baltic Sea
DARC	7166,0	1919	21	07	RUS		PSK2	120	2600	AT3004D - Bryansk - West Russia
DARC	7175,0	1620	dly	07	ETH	QRM	A3E			white noise from Radio Ethiopia
DARC	7176,0	0633	24	07	RUS		F1B	75	250	Moscow
DARC	7185,0	1501	03	07	ETH	QRM	noise		9000	broadbandsignal, white noise, no carrier
DARC	7185,5	vt	dly	07	D		FSK8	125	1750	ALE, "DK0ESD" just for info!
DARC	7186,0	0535	12	07	RUS		PSK2	120	2600	AT3004D - Severomorsk
DARC	7188,0	0821	15	07	RUS		F1B	75	250	RUS Navy Kaliningrad
DARC	7190,0	1406	20	07	RUS		PSK2	120	2600	Kaliningrad
DARC	7192,5	0640	23	07	UKR		PSK2	120	2600	AT3004D - Sevastopol
DARC	10102,0	2004	12	07						frequency hopper
DARC	10108,0	1002	06	07	RUS		F1B	50	200	east of Moscow
DARC	10112,0	ady	dly	07	TUR		PSK8	2400	2600	Stanag4285 – 600 bps long - Turkish MIL
DARC	10115,0	0600	dly	07	RUS		FSK4	96	1500	CIS 14 group - Moscow - dly
DARC	10115,0	1949	07	07		no ITU	FSK8	125	1750	ALE, "2001"
DARC	10115,0	1003	06	07						frequency hopper
DARC	10117,0	0717	24	07	RUS		PSK2	120	2600	
DARC	10118,0	1605	02	07	RUS	RK	F1B	100	250	Far East Russia, close to KAZ
DARC	10120,0	0737	09	07	RUS		PSK2	120	2600	AT3004D - East of Moscow
DARC	10120,0	1829	13	07			P0N			OTH Radar Cyprus, 50 pps
DARC	10122,0	0749	08	07	SRB		F1B	50	500	50 Bd async. - Serbia
DARC	10124,0	vt	dly	07	ALG	no ITU	FSK8	125	1750	ALE, "CM1" "CTF" - Algerian Airforce
DARC	10130,0	vt	dly	07			FSK8	125	1750	Thales Skymaster - uniden
DARC	10130,0	0644	dly	07	USA		F1B	50	850	Maine - USA
DARC	10131,5	0747	09	07	RUS		F1B	75	200	Kaliningrad
DARC	10131,8	vt	dly	07	ARS		FSK8	125	1750	ALE, "NAI" "RCI" – Saudi

DARC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
										Arabian MIL
DARC	10133,0	1435	17	07	RUS		PSK2	120	2600	AT3004D - North-Russia
DARC	10135,0	vt	dly	07	ARS	no ITU	FSK8	125	1750	ALE, "NAI" "RCI" – Saudi Arabian MIL
DARC	10135,0	2057	19	07	CYP		P0N			OTH Radar Cyprus, 50 pps
DARC	10136,0	2109	29	07	RUS		F1B	50	200	East Russia
DARC	10138,7	2020	17	07	CHN		PSK4	75	2240	Chinese PRC4+4, idling and traffic
DARC	10145,0	vt	vd	07	RUS		PSK2	120	2600	AT3004D - Moscow
DARC	10145,0	1603	24	07	CYP		P0N			OTH Radar Cyprus, 50 pps
DARC	10145,0	1429	27	07	CYP		P0N			OTH Radar Cyprus, 50 pps
DARC	10150,0	1827	23	07	CYP		P0N			OTH Radar Cyprus, 50 pps
DARC	14000,5	1819	13	07			FSK8	125	1750	Thales Skymaster - uniden
DARC	14006,0	0753	15	07	RUS		PSK2	120	2600	AT3004D - Smolensk
DARC	14026,0	0743	08	07	RUS		PSK2	120	2600	Moscow
DARC	14028,0	1228	31	07	RUS		F1B	75	250	west of Samara
DARC	14028,0	1150	21	07	RUS		F1B	75	250	Pensa
DARC	14030,0	0606	16	07	RUS		PSK2	120	2600	AT3004D - Moscow
DARC	14066,0	1223	09	07	RUS		PSK2	120	2600	AT3004D - Moscow
DARC	14109,0	1203	21	07	F		FSK8	125	1750	ALE, "F4BXW" - just for info
DARC	14120,0	0927	21	07	BLR		F1B	75	250	Far East Russia
DARC	14122,0	0750	04	07	RUS		PSK2	120	2600	AT3004D – area of Moscow
DARC	14160,0	0619	20	07	RUS		F1B	75	250	
DARC	14169,0	1245	13	07	RUS		F1B	50	200	Kaliningrad
DARC	14192,0	vt	vd	07	RUS		F1B	50	500	RUS Navy Kaliningrad
DARC	14192,0	vt	vd	07	RUS		F1B	50	200	RUS Navy Kaliningrad
DARC	14213,0	0610	29	07						frequency hopper
DARC	14238,0	0925	31	07	RUS		F1B	75	250	Samara
DARC	14238,0	0930	31	07	RUS		F1B	75	250	Pensa
DARC	14240,0	1229	22	07	RUS		F1B	75	250	north of Moscow
DARC	14240,0	0900	31	07	RUS		PSK2	129	2600	AT3004D - Pensa
DARC	14241,0	1228	02	07	CHN	no ITU	FSK8	125	1750	ALE, "193" "905"
DARC	14242,0	0746	04	07	RUS		PSK2	120	2600	AT3004D - Moscow
DARC	14271,0	0834	22	07	RUS		OFDM	21	3000	OFDM, 128 tones, Moscow
DARC	14274,0	1349	26	07						frequency hopper
DARC	14277,0	0820	22	07			OFDM	21	3000	OFDM, 128 tones, Kaliningrad
DARC	14295,2	ady	dly	07	TJK		A3E			Radio Tajik – 3 rd from 4765
DARC	14340,0	0710	31	07	RUS		PSK2	120	2600	AT3004D - Chabarovsk – Far-East Russia
DARC	14342,0	1012	08	07						frequency hopper
DARC	14344,6	1530	05	07	CHN		serial	2400	2500	ACARS like? - East China
DARC	14345,0	1345	08	07	RUS		P0N			OTH Radar ABM2
DARC	14346,0	vt	dly	07	D	DK0ESD	FSK8	125	1750	ALE, "DK0ESD" - just for info
DARC	14349,0	vt	dly	07	CHN	no ITU	FSK8	125	1750	ALE, "132" "788" "559"
DARC	18090,0	0947	20	07	CYP		P0N			OTH Radar Cyprus, 50 pps
DARC	18165,0	0821	09	07			P0N			OTH Radar Cyprus, 50 pps
DARC	21000,0	vt	dly	07						frequency hopper
DARC	21000,0	1427	01	07	CYP		P0N			OTH Radar Cyprus, 25 pps
DARC	21000,0	0916	05	07	CYP		P0N			OTH Radar Cyprus, 50 pps
DARC	21000,0	1505	21	07		no ITU	FSK8	125	1750	ALE, encrypted idents
DARC	21002,2	1458	13	07	YEM		F1B	100	200	Pactor 1, MFA Sudan + Sudan emba Yemen, encrypted traffic
DARC	21002,2	1458	13	07	SDN		F1B	100	200	Pactor 1, MFA Sudan + Sudan emba Yemen, encrypted traffic
DARC	21065,0	0803	25	07	TUR		P0N			50 pps, area of Bursa, West Turkey
DARC	21100,0	1339	17	07	TUR		P0N			OTH Radar - west of Ankara - 50 pps
DARC	21125,0	0820	12	07	CYP		P0N			OTH Radar Cyprus, 50 pps
DARC	21145,7	ady	dly	07	I	IZ3DVW	A1A			IZ3DVW - uncoordinated beacon and unwanted
DARC	21195,0	1800	07	07	TUR		P0N			OTH Radar – East Turkey – 50 pps – 20 kHz wide
DARC	21305,0	1320	21	07	TUR		P0N			50 pps, area of Bursa, West Turkey
DARC	24980,0	ady	dly	07	I		P0N			Codar HF Radar – Venice –

DARC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
										24950 – 25050 kHz – 2 sweeps/sec
DARC	25000,0	ady	dly	07	FIN		A3E			time signal – Helsinki – just for info!
DARC	29684,8	ady	dly	07	I		serial			serial modem, Italian MIL Bozen
DARC	29699,8	ady	dly	07	I		serial			serial modem, Italian MIL Trient

IRTS – Ireland – EI4GXB (Ger)

KARS – Kuwait – 9K2RR (Faisal)

MRASZ – Hungary - HA7PL (Laci)

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	DETAILS
MRASZ	7000,0	VT	VD	7	FSK8 (ALE)	USA	UiMUX	125	1750	USAF
MRASZ	7000,0	VT	VD	7	FSK8 (ALE)	LBY	UiMUX	125	1750	HQ3 CALLED GHADAMES
MRASZ	7000,0	VT	VD	7	FSK8 (ALE)	IRQ	UiMUX	125	1750	TALLIL SOUNDED
MRASZ	7010,0	VT	VD	7	FSK8 (ALE)	NATO	UiMUX	125	1750	CS-RS NATO NC3A Network
MRASZ	7014,0	VT	VD	7	FSK8	NIG	ALE	125	1750	"411" net NIGERIAN POLICE
MRASZ	7020,0	VT	VD	7	FSK8 (ALE)	NATO	UiMUX	125	1750	CS-RS NATO NC3A Network
MRASZ	7040,0	VT	VD	7	FSK/PSK	Ui	UiMUX			UNID BURST MODEM. MAYBE MULTITONE HYBRID MODEM ARQ LIKE. POSSIBLE AMATEUR EXPERIMENTAL MODE. DATABLOCK LASTS 1000 ms AND CONFIRMATION BLOCK IS 200 ms LONG.
MRASZ	14055,0	VT	VD	7	16xPSK	Ui	UiMUX	16*75		CODAN. VERY WEAK.
MRASZ	7054,0	VT	VD	7	FSK2	RUS	UiPTR	50	250	FAST REVERSALS
MRASZ	7070,0	VT	VD	7	FSK8 (ALE)	GEO	UiMUX	125	1750	244-288 NET POSSIBLE GEORGIAN.
MRASZ	7092,0	VT	VD	7	FSK8 (ALE)	Ui	UiMUX	125	1750	4001, 2001 SUBNETS LOTS OF CALLSIGNS. F001 NET.
MRASZ	7095,0	VT	VD	7	FSK8 (ALE)	UZB	UiMUX	125	1750	110-NET (1101, 1102, 1702, 1703, 1706, 1709) UZBEK FORCES
MRASZ	14081,0	VT	VD	7	12xPSK	RUS	UiMUX	1K44		AT-3004D
MRASZ	7107,0	VT	VD	7	FSK8 (ALE)	Ui	UiMUX	125	1750	4378xx-NET 437802, 437805, 437806, 437815, 437817, 437843.
MRASZ	7151,0	VT	VD	7	PSK	Ui	UiMUX			FREQUENCY HOPPING TRANSMISSION
MRASZ	7116,0	VT	VD	7	FSK8 (ALE)	UZB	UiMUX	125	1750	110-NET (1101, 1102, 1702, 1703, 1706, 1709) UZBEK FORCES
MRASZ	7140,0	VT	VD	7	FSK8 (ALE)	Ui	UiMUX	125	1750	110-NET (1101, 1102, 1702, 1703, 1706, 1709) UZBEK FORCES
MRASZ	7141,0	VT	VD	7	FSK8 (ALE)	UZB	UiMUX	125	1750	110-NET (1101, 1102, 1702, 1703, 1706, 1709) UZBEK FORCES
MRASZ	7149,0	VT	VD	7	FSK8 (ALE)	ALB	UiMUX	125	1750	ALBANIAN MoPO. 5810 SOUNDING
MRASZ	7197,0	VT	VD	7	FSK8 (ALE)	TUR	UiMUX	125	1750	Red Crescent TURKEY 4 FIGURES NET.

OEVSV – Austria – OE3DMA (Alex)

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

RSGB - Great Britain – G4BOH (Chris)

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS
RSGB	24850-25050	24H	DD	07	I	RADAR	P0N	CODAR radar located in Venice. Baldock sent complaint, nothing heard for days as propagation was probably Sporadic E. Observations continue.
RSGB	7185-7200	2100-2300	DD	07	F	Radio France Intl.	A3J	Splatter from RFI on 7205 kHz. Baldock complained, still there. Observations to continue.
RSGB	7130-7150	1600-1730	31	07	KEN	DRM?		Very loud 20 kHz wide data signal, sounds like DRM but mode not confirmed. DF fixes from UK, Germany, Spain, France all indicate Kenya!

SRAL – Finland – OH2BLU (Pekka)

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	BAUD	SHIFT	REMARKS
SRAL	7008,0	0530-0715	*	7		UiPTR	F1B		250	Days 3, 9, 21, 30
SRAL	7018,0	1045	4	7		UiMUX	J7D	12x120	12x200	
SRAL	7018,9	1345-1515	12	7		UiCarr	N0N			Space of F1 ?
SRAL	7019,0	1150	7	7		UiPTR	F1B			
SRAL	7022,0	0530,1420	3, 4	7		UiMUX	J7D	12x120	12x200	Kaliningrad
SRAL	7025,0	1515	12	7		UiPTR	F1B		200	
SRAL	7033,0	1830-1930	22	7		UiMUX	J7D	12x120	12x200	
SRAL	7034,0	0700-1400	*	7		UiPTR	F1B		250	Days 1, 4, 5, 8, 20
SRAL	7038,7	h24	dly	7	UKR	D	A1A			Sevastopol
SRAL	7038,8	h24	19-31	7	RUS	P	A1A			Kaliningrad
SRAL	7038,9	h24	dly	7	RUS	S	A1A			Severomorsk
SRAL	7039,0	h24	dly	7	RUS	C	A1A			Moscow
SRAL	7040,5	0925	20	7		UiMUX	J7D	12x120	12x200	
SRAL	7045,0	1910	21	7		UiPTR	F1B			
SRAL	7054,0	1700-0700	dly	7	RUS	RDL	F1B		200	25 Hz dotter
SRAL	7060,0	0935	25	7		UiMUX	J7D	12x120	12x200	
SRAL	7062,0	0910	6	7		UiPTR	F1B		250	
SRAL	7072,0	1350	9	7		UiMUX	J7D	12x120	12x200	
SRAL	7075,0	0440-0600	28, 31	7		UiMUX	J7D	12x120	12x200	
SRAL	7079,0	1725-1920	23	7		UiMUX	J7D	12x120	12x200	
SRAL	7080,0	0845-1120	9, 28	7		UiCW	A1A			
SRAL	7081,0	0230-1930	9, 10	7	AZE	UiMUX	J7D	12x120	12x200	
SRAL	7084,0	0825	28	7		UiPTR	F1B			
SRAL	7086,5	0820	14	7		UiPTR	F1B		250	
SRAL	7088,0	0915	3	7		UiMUX	J7D	12x120	12x200	
SRAL	7091,5	0530-1500	*	7		UiPTR	F1B		250	Days 3, 14, 15
SRAL	7093,0	1300-1330	28	7		UiPTR	F1B			
SRAL	7110,0	0300-0500	dly	7	ETH	R Eth.	A3E			
SRAL	7110,0	1430-2000	dly	7	ETH	R Eth.	A3E			
SRAL	7111,0	0530-	14,	7	RUS	UiPTR	F1B		250	

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	BAUD	SHIFT	REMARKS
		0730	15							
SRAL	7111,0	0900-1430	6, 9	7		UiMUX	J7D	12x120	12x200	
SRAL	7114,0	1540	10	7		UiPTR	F1B			
SRAL	7116,0	0945-1630	28	7		UiMUX	J7D	12x120	12x200	
SRAL	7116,0	0745	29	7		UiPTR	F1B		200	
SRAL	7117,1	0230-1930	*	7		UiCarr	N0N			Days 1, 2, 8-12, 19
SRAL	7122,0	0200-2000	1-25	7	RUS	RDL	F1B/A		200/250	Kaliningrad, MR 5F
SRAL	7124,0	1015-1820	10, 16	7		UiMUX	J7D	12x120	12x200	
SRAL	7125,0	1800-2000	dly	7	GUI	R. Conakry	A3E			
SRAL	7127,5	1915	2	7		UiCarr	N0N			
SRAL	7136,5	0730	12	7		UiPTR	F1B		150	
SRAL	7143,0	0440	23	7		UiMUX	J7D	12x120	12x200	
SRAL	7145,0	1300-1500	23	7		UiPTR	F1B			
SRAL	7149,0	0615	21	7		UiCW	A1A			MR 5BL
SRAL	7162,0	0550	6	7		UiPTR	F1B		250	
SRAL	7165,0	0330-0500	dly	7	ETH	R Eth	A3E			
SRAL	7165,0	1330-2000	dly	7	ETH	R Eth	A3E			Up to +/- 20 kHz avoiding jam.
SRAL	7166,0	1915	21	7		UiMUX	J7D	12x120	12x200	
SRAL	7166,0	1915	30	7	RUS	"9"	A1A			Air defence msgs
SRAL	7167,0	1130-1330	3	7		UiPTR	F1B			
SRAL	7175,0	0330-0500	dly	7	ERI	VoBME	A3E			
SRAL	7175,0	1500-2005	dly	7	ERI	VoBME	A3E			Up to +/- 20 kHz avoiding jam.
SRAL	7176,0	0615-1330	3, 24	7		UiPTR	F1B		250	
SRAL	7181,0	1330-1530	9	7		UiPTR	F1B			idling
SRAL	7182,2	0550-0700	28	7		UiCarr	N0N			Space of F1 ?
SRAL	7184,0	0825	14	7		UiPTR	F1B		250	
SRAL	7185,5	1230-1405	9	7		UiPTR	F1B			
SRAL	7186,0	0230-1930	9-13	7		UiMUX	J7D	12x120	12x200	
SRAL	7188,0	0845-1920	*	7		UiPTR	F1B		250	Days 19, 20, 23
SRAL	7189,5	0930-1900	9, 22	7		UiMUX	J7D	12x120	12x200	
SRAL	7190,0	1345-1435	20	7		UiMUX	J7D	12x120	12x200	
SRAL	7198,0	0230-0630	12, 21	7		UiMUX	J7D	12x120	12x200	
SRAL	7200,0	0030-0430	dly	7		UiBC	A3E			
SRAL	7200,0	0930-1630	dly	7	RUS	R. Rossii	A3E			
SRAL	7200,0	1630-2100	dly	7	SDN	R Sudan	A3E			
SRAL	14008,0	0830-1000	4, 22	7		UiPTR	F1B			
SRAL	14026,0	0410-1630	*	7	RUS	UiMUX	J7D	12x120	12x200	Days 10, 13, 19 - 28. Moscow
SRAL	14028,0	1220	31	7		UiPTR	F1B			
SRAL	14050,0	0945-1200	6	7		UiPTR	F1B			
SRAL	14052,0	0750	19	7		UiMUX	J7D	12x120	12x200	

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	BAUD	SHIFT	REMARKS
SRAL	14066,0	1155-1215	9, 20	7		UiMUX	J7D	12x120	12x200	
SRAL	14104,0	0900-1100	6	7		UiPTR	F1B		250	
SRAL	14108,0	0645-0910	3, 31	7		UiCW	A1A			MR 5BL
SRAL	14110,0	0915-1000	27	7		UiPTR	F1B		250	
SRAL	14116,0	0435-1300	20, 26	7		UiPTR	F1B			
SRAL	14120,0	0830-1100	3, 6, 9	7		UiPTR	F1B			
SRAL	14122,0	0950-1215	4	7		UiMUX	J7D	12x120	12x200	
SRAL	14140,0	0550-0615	21	7		UiOTHR	P0N			
SRAL	14192,0	0530-0700	22-31	7		UiPTR	F1B		200/500	
SRAL	14207,0	0950-1200	6	7		UiPTR	F1B			
SRAL	14238,0	1030-1300	6, 31	7		UiPTR	F1B			
SRAL	14240,0	0900-1230	*	7		UiPTR	F1B		250	Days 6, 22, 28
SRAL	14240,0	0905	31	7		UiMUX	J7D	12x120	12x200	
SRAL	14272,0	0645-1440	20, 22	7		UiPTR	F1B		500	
SRAL	14273,0	0950-1200	6	7		UiPTR	F1B			
SRAL	14292,0	0530-0930	*	7		CO4W, IROV	A1A			Days 6 – 8, 14, 24, 25
SRAL	14295,1	00300-2000	dly	7	TJK	R Tojikiston	A3E			3f 4765,05 kHz, Yangiyul TX
SRAL	18090,0	0850-1430	20	7		UiOTHR	P0N			
SRAL	18160,0	0835	9	7		UiOTHR	P0N			
SRAL	21000,0	1350	20	7		UiVox	J3E-u			Dutch?
SRAL	21005,0	1105	9	7		UiOTHR	P0N			
SRAL	21025,0	1035	9	7		UiOTHR	P0N			
SRAL	21075,0	0830	25	7	TUR	UiOTHR	P0N			
SRAL	21087,5	1350	20	7		UiVox	J3E-u			Dutch?
SRAL	21140,0	0900-1000	6	7		UiOTHR	P0N			
SRAL	21210,0	1030	21	7		UiOTHR	P0N			
SRAL	28005-29045	0900-1515	*	7		UiVox	F3E			7 days, 80 reports

USKA – Switzerland – HB9CET (Peter)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
USKA	7000.0	1858	01	07		HQ3	MFSK8	125	1750	MIL 188-141A almost daily to: GHADAMES
USKA	7000.0	2154	01	07		TEAGLE	MFSK8	125	1750	MIL 188-141A
USKA	7000.0	2256	01	07		T3Z158	MFSK8	125	1750	MIL 188-141A
USKA	7000.0	2307	01	07		TALLIL	MFSK8	125	1750	MIL 188-141A
USKA	7008.0	1018	15	07			F1B	75	250	unid
USKA	7008.0	0853	30	07			F1B	50	250	unid
USKA	7010.0	1330	01	07		CS002	MFSK8	125	1750	MIL 188-141A almost daily
USKA	7010.0	1501	02	07		RS004A	MFSK8	125	1750	MIL 188-141A almost daily

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
USKA	7010.0	1053	16	07		RS009	MFSK8	125	1750	MIL 188-141A almost daily
USKA	7014.100	1634	16	07			N0N			long lasting carrier
USKA	7020.0	1413	01	07		RS0016D	MFSK8	125	1750	MIL 188-141A almost daily
USKA	7020.0	1439	01	07		RS0013D	MFSK8	125	1750	MIL 188-141A almost daily
USKA	7020.0	1428	28	07		CS004A	MFSK8	125	1750	MIL 188-141A almost daily
USKA	7020.0	1228	30	07		RS005D	MFSK8	125	1750	MIL 188-141A almost daily
USKA	7020.0	1242	30	07		RS0011B	MFSK8	125	1750	MIL 188-141A almost daily
USKA	7030.0	1941	27	07			J3E-U			Portuguese
USKA	7038.7	1509	01	07	UKR	D	A1A			Beacon D Sevastopol daily
USKA	7038.8	1322	19	07	RUS	P	A1A			Beacon P Kaliningrad daily
USKA	7038.9	1856	01	07	RUS	S	A1A			Beacon S Murmansk daily
USKA	7039.0	0803	01	07	RUS	C	A1A			Beacon C Moscow daily
USKA	7040.0	1935	27	07			J3E-U			Spanish, no callsigns, no ham content
USKA	7040.810	2004	27	07			N0N			lasting carrier, slightly drifting
USKA	7054.0	1854	01	07			F1B	50	200	unid almost daily
USKA	7079.0	2034	23	07			J7D	12x120	2600	PSK-2: CIS 12 = AT3004D
USKA	7081.0	2002	09	07			J7D	12x120	2600	PSK-2: CIS 12 = AT3004D
USKA	7089.8	1541	23	07			PSK-8	2400	2600	Link 11 SLEW
USKA	7091.375	2037	15	07			N0N			long lasting carrier
USKA	7092.0	1453	14	07		2015	MFSK8	125	1750	MIL 188-141A almost daily
USKA	7092.0	1808	28	07		2010	MFSK8	125	1750	MIL 188-141A almost daily
USKA	7092.0	1828	28	07		2014	MFSK8	125	1750	MIL 188-141A almost daily
USKA	7092.0	1852	28	07		4017	MFSK8	125	1750	MIL 188-141A almost daily
USKA	7107.0	1531	01	07					2700	frequency hopper
USKA	7110.0	1509	01	07	ETH		A3E			BC: Radio Ethiopia daily
USKA	7111.0	0704	14	07			F1A			unid, short overs
USKA	7111.0	0708	14	07			F1B	75	250	unid
USKA	7115.5	1314	19	07			J7D	12x120	2600	PSK-2: CIS 12 = AT3004D
USKA	7117.125	1709	02	07			N0N			long lasting carrier
USKA	7122.0	1237	05	07	RUS	RDL	F1B	50	200	unid daily
USKA	7125.0	2141	02	07	GUI		A3E			Radio Conakry daily
USKA	7130.0	1832	01	07			A3E			BC: unid (weak)
USKA	7130.0	1553	31	07			Noise		10 kHz	Jammer, wide
USKA	7137.0	1504	28	07			F1B	50	200	unid
USKA	7140.0	1741	31	07			Noise		20 kHz	Jammer, strong, wide!
USKA	7142.5	1839	01	07					2700	frequency hopper
USKA	7145.0	1833	01	07			A3E			BC: unid (weak)
USKA	7150.0	1654	02	07			Noise		10 kHz	Jammer often
USKA	7150.0	2007	09	07			A3E			BC: unid (weak)
USKA	7155.0	1552	22	07			Noise		10 kHz	Jammer
USKA	7160.0	1544	15	07			A3E			BC; unid
USKA	7160.0	1626	16	07			A1A			numbers
USKA	7160.0	1621	23	07			Noise		10 kHz	Jammer often
USKA	7165.0	1511	01	07	ETH		A3E			Radio Ethiopia daily
USKA	7165.0	1747	31	07			Noise		10 kHz	Jammer often
USKA	7166.0	1651	02	07			A1A			unid (over hours) almost daily
USKA	7167.0	1609	16	07			F1B	75	250	unid
USKA	7167.0	1611	16	07			F1A		250	unid
USKA	7175.0	1858	01	07	ERI		A3E			Voice of Broad Masses daily
USKA	7175.0	1658	02	07			Noise		10 kHz	Jammer often
USKA	7180.0	1525	01	07			Noise		10 kHz	Jammer
USKA	7185.0	1604	15	07			Noise		10 kHz	Jammer often
USKA	7186.0	1354	12	07			J7D	12x120	2600	PSK-2: CIS 12 = AT3004D often
USKA	7188.0	1026	15	07			F1B	75	250	unid often
USKA	7190.0	1533	16	07			Noise		10 kHz	Jammer
USKA	7195.0	1611	12	07			Noise		10 kHz	Jammer
USKA	7200.0	1859	01	07			A3E			Sudan RTVC daily
USKA	14007.875	1240	14	07			N0N			lasting carrier
USKA	14008.0	1301	14	07			F1B	50	250	unid almost daily
USKA	14026.0	0829	16	07			J7D	12x120	2600	PSK-2: CIS 12 = AT3004D often
USKA	14050.0	0827	16	07			F1B	75	250	unid
USKA	14068.0	1142	15	07			F1B	100	250	unid
USKA	14080.8	0757	01	07			F1B	75	250	unid
USKA	14088.0	1124	15	07			J7D	12x120	2600	PSK-2: CIS 12 = AT3004D
USKA	14118.0	0933	01	07			J7D	12x120	2600	PSK-2: CIS 12 = AT3004D often
USKA	14143.0	1408	16	07			J7D	12x120	2600	PSK-2: CIS 12 = AT3004D
USKA	14192.0	1933	09	07			F1B	50	250	unid often

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
USKA	14240.0	1056	22	07			F1B	75	250	unid
USKA	14242.0	1203	01	07			J7D	12x120	2600	PSK-2: CIS 12 = AT3004D
USKA	14277.0	1039	22	07	RUS		OFDM	21	3000	OFDM128 - 23.4Hz Sh - 21Bd
USKA	14333.0	0844	01	07			F1B	50	200	unid often
USKA	14333.0	0849	01	07		REU	F1A			unid
USKA	14336.0	0832	16	07			F1B	100	250	unid often
USKA	21000.5	1112	22	07			J3E-U			unid language
USKA	21087.5	1454	21	07			J3E-U			Dutch, long conversation, no callsigns
USKA	21233.55	0920	16	07			F1B	600	600	ARQ; unid 0951 QRT
USKA	21310.0	1425	21	07			x0N		20 kHz	OTHR 21310 up
USKA	28000.300	1449	21	07			N0N			long lasting carrier
USKA	28016.82	0835	01	07		C	A1A			fishery, driftnet buoy
USKA	28016.83	0836	01	07		F	A1A			fishery, driftnet buoy
USKA	28029.55	0714	14	07		EZ	A1A			fishery, driftnet buoy
USKA	28029.85	0713	14	07		EB	A1A			fishery, driftnet buoy
USKA	28051.30	0823	01	07		AL	A1A			fishery, driftnet buoy
USKA	28086.32	0829	01	07		CL	A1A			fishery, driftnet buoy
USKA	28099.67	0715	14	07		EZ	A1A			fishery, driftnet buoy
USKA	28099.70	0717	14	07		FNI	A1A			fishery, driftnet buoy
USKA	28145.0	0908	01	07			R3E-U			Spanish, fishery

Veron 1 – Netherlands – PA0GRU (Dick)

SOC	kHz	UTC	DD	MM	ITU	IDENT	Mode	SHIFT	DETAILS
VERON	3550,0	18.14	27	7		FSK8			
VERON	3735,0	18.20	27	7	Poland	UiPtr	F1B	500	Revs
VERON	7038,8	18.06	27	7	RUS	P	A1A		beacon P Kaliningrad
VERON	7038,9	18.06	27	7	RUS	C	A1A		beacon C Moscow
VERON	7054,0	17.20	23	7	RUS	UiPtr	F1B	200	Revs, Russian Air Force
VERON	7054,0	18.07	27	7	RUS	UiPtr	F1B	200	Revs, Russian Air Force
VERON	7110,0	19.01	15	7		UiBC	A3E		speech
VERON	7155,0	18.08	27	7		UiBC	A3E		speech
VERON	7165,0	17.16	23	7		UiBC	A3E		white noise, 3 KHz wide
VERON	7165,0	18.08	27	7		UiBC	A3E		music
VERON	7175,0	19.00	15	7		UiBC	A3E		speech
VERON	14008,0	07.40	13	7		UiPtr	F1B		Printer, qrt at 07.41 utc
VERON	14008,0	10.24	14	7		UiCAR	NON		carrier, S-9
VERON	14008,0	10.25	14	7		UiPtr	F1B		Printer
VERON	14025,0	07.53	10	7		UiMUX	J7D		12 MPSK
VERON	14025,0	08.05	11	7		UiMUX	J7D		till 17.00 utc, 12 MPSK
VERON	14025,0	07.35	24	7	RUS	OFDM		2600	OFDM, harmful, till 10.35 utc
VERON	14025,0	09.40	22	7	RUS	OFDM		2600	OFDM, harmful,
VERON	14025,0	11.09	22	7		UiMUX	J7D		12 MPSK
VERON	14025,0	13.18	24	7		UiMUX	J7D		12 MPSK
VERON	14025,0	08.25	25	7		UiMUX	J7D		12 MPSK
VERON	14025,0	10.31	25	7	RUS	OFDM		2600	OFDM harmful during IOTA contest
VERON	14025,0	14.30	27	7		OFDM		2600	OFDDM
VERON	14025,0	18.22	27	7	RUS	UiMUX	J7D		12 MPSK
VERON	14109,0	09.38	27	7		UiPtr	F1B	250	Printer
VERON	14140,0	10.31	21	7		OTHR	PON		radar- wide 14131-14145 KHz
VERON	14160,0	11.00	28	7		UiPtr	F1B	250	Printer
VERON	14169,0	14.25	27	7		UiPtr	F1B	200	Printer
VERON	14173,0	11.08	15	7		OTHR	PON		radar, wide 3 KHz
VERON	14192,0	17.32	23	7		UiPtr	F1B	200	Printer-Revs
VERON	14192,0	07.05	27	7		UiPtr	F1B	500	Printer
VERON	14233,0	07.34	21	7		UiMUX	J7D		12 MPSK
VERON	14240,0	09.41	22	7		UiPtr	F1B	250	Printer, at 12.07 utc still qrv
VERON	14272,0	07.03	22	7		UiPtr	F1B		Printer
VERON	14277,0	17.30	23	7	RUS	OFDM		2600	OFDM, harmful
VERON	14292,0	08.06	9	7		JBLJ	A1A		TJFX de JBLJ K proc
VERON	14320,0	09.01	8	7		UiCAR	NON		carrier, S-9
VERON	14325,0	10.09	21	7	RUS	UiILL	J3E-u		female voice computerized codes

Veron 2 – Netherlands – PA0GRU (Dick)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
VERON	7021,5	21.28	3	7		UiMux	PSK8	2k4	
VERON	7036,3	05.10	vd	7		UiMUX	J7D		19.07 utc, 12 MPSK, 4 days
VERON	7037,3	19.05	26	7		UiMUX	J7D		12 MPSK
VERON	7038,6	22.42	3	7	UKR	D	A1A		Beacon Sevastopol
VERON	7038,6	19.37	24	7	UKR	D	A1A		Beacon Sevastopol
VERON	7038,7	05.02	vd	7	UKR	D	A1A		19.10 utc, beacon D, 6 days
VERON	7038,7	19.36	24	7	RUS	P	A1A		Beacon Kaliningrad
VERON	7038,7	13.58	26	7	RUS	P	A1A		Beacon Kaliningrad
VERON	7038,7	14.50	31	7	RUS	P	A1A		Beacon Kaliningrad
VERON	7038,8	06.16	vd	7	RUS	P	A1A		19.10 utc, beacon, 4 days
VERON	7038,8	21.26	3	7	RUS	S	A1A		Beacon Murmansk
VERON	7038,8	19.36	24	7	RUS	S	A1A		Beacon Murmansk
VERON	7038,9	05.02	vd	7	RUS	S	A1A		06.37 utc, beacon S, 7 days
VERON	7038,9	21.26	3	7	RUS	C	A1A		Beacon Moscow
VERON	7038,9	13.58	26	7	RUS	C	A1A		Beacon Moscow
VERON	7038,9	14.50	31	7	RUS	C	A1A		Beacon Moscow
VERON	7038,9	vt	vd	7	RUS	P	A1A		P-beacon
VERON	7038,9	vt	vd	7	RUS	S	A1A		S-beacon
VERON	7039,0	05.02	vd	7	RUS	C	A1A		19.10 utc, beacon C, Moscow, 8 days
VERON	7039,0	vt	vd	7	RUS	C	A1A		C-beacon
VERON	7054,0	05.07	vd	7	RUS	REA4	F1B	250	19.20 utc, Revs, 4 days
VERON	7054,0	21.24	3	7	RUS	UiPtr	F1B	200	
VERON	7054,0	17.43	24	7	RUS	UiPtr	F1B	200	Idling; bad filter
VERON	7054,0	vt	vd	7		UiPTR	F1B		Revs
VERON	7078,0	19.32	24	7		UiRadar	PON		40 pps system
VERON	7080,0	22.39	3	7	RUS	UiPtr	F1B	200	Idling
VERON	7105,0	22.36	3	7	CHN	UiBC	A3E		s5; Chinese speech
VERON	7121,9	21.20	3	7	RUS	UiPtr	F1B	200	
VERON	7122,0	13.00	2	7	RUS	RDL	F1A		RDL 5758 27582 /several times
VERON	7122,0	13.02	2	7	RUS	RDL	F1B		XXX (morse) followed by Revs/Ptr
VERON	7122,0	06.31	5	7	RUS	RDL	F1A	250	RDL18579 82770 mni times Revs F1B
VERON	7122,0	06.34	5	7	RUS	RDL	F1B	250	XXX (morse)F1A Revs/Ptr in F1B
VERON	7122,0	04.59	10	7	RUS	RDL	F1B	250	Revs, Ptr
VERON	7122,0	09.52	19	7	RUS	RDL	F1A	250	RDL (3x) 0883 19291 K
VERON	7122,0	19.47	26	7	RUS	RDL	F1B	250	Revs, Ptr
VERON	7122,0	vt	vd	7		UiPTR	F1B		Revs/Ptr
VERON	7125,0	22.34	3	7	GUI	R.Conakry	A3E		s7; French speech
VERON	7165,0	18.56	24	7	ETH	R.Ethiopia	A3E		s8
VERON	7180,0	17.17	24	7			JAM		Heavy rushing noise; s9+; 40k broad
VERON	10108,0	07.30	6	7		UiPTR	F1B		Ptr
VERON	10112,0	13.53	26	7	TUR	UiMux	PSK8	2k6	Stanag
VERON	10112,0	14.44	31	7	TUR	UiMux	PSK8	2k6	Stanag
VERON	10118,0	08.30	8	7		UiPTR	F1B		Fast Revs
VERON	10130,0	vt	vd	7		UiPTR	F1B		Ptr
VERON	14025,0	13.35	26	7		UiMux	PSK2	2k6	
VERON	14025,0	14.21	28	7		UiMux	PSK8	2k8	
VERON	14050,0	10.12	6	7		UiPTR	F1B		Ptr
VERON	14071,5	04.55	vd	7		UiMUX	J7D		15.20 utc, 12 MPSK, 14 days
VERON	14104,0	07.26	6	7		UiPTR	F1B		Revs
VERON	14108,0	05.02	1	7	RUS	ARV5	A1A		to GXLK,HAWM,LIAI,NNAE, OCGO, etc
VERON	14108,0	05.33	1	7	RUS	OCO6	A1A		to K2BC,ZWB,ZTV ZBK QYT6 K
VERON	14108,0	05.07	2	7	RUS	ARV5	A1A		to GXLK,HAWM,LIAI,NNAE, OCGO,proc
VERON	14108,00	05.20	2	7	RUS	ARV5	A1A		5BL
VERON	14108,0	05.02	5	7	RUS	ARV5	A1A		to OCGO:QTC K 5BL, proc
VERON	14108,0	06.27	7	7	RUS	PJZB	A1A		to HAWM: ZAF ZQM ZJV

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
									QYT9 K
VERON	14108,0	06.31	7	7	RUS	ARV5	A1A		to GXLK,LIAI, NNAF, OGGO, etc: proc
VERON	14108,0	05.14	10	7	RUS	ARV5	A1A		to GXLK,HAWM,LIAI,NNAE,PM DH, proc
VERON	14108,0	05.57	11	7	RUS	H9LO	A1A		to JFBM:ZKY ZKM ZNY QYT9 K
VERON	14108,0	06.18	11	7	RUS	H9LO	A1A		to K3PA, YKAT etc: proc
VERON	14108,0	07.10	12	7	RUS	H9LO	A1A		to FGMH 5BL
VERON	14108,0	05.18	13	7	RUS	H9LO	A1A		to JFBM, ZEQ6, AZIA, FGMH, YKAT proc
VERON	14108,0	05.11	13	7	RUS	H9LO	A1A		to QQ9Q, QTC K/ 5BL
VERON	14108,0	05.19	14	7	RUS	H9LO	A1A		to QQ9Q, JFBM, ZEQ6,AZIA, FGMH,proc
VERON	14108,0	05.09	16	7	RUS	H9LO	A1A		to ILSS: 5BL
VERON	14108,0	05.22	16	7	RUS	H9LO	A1A		to AZIA: 5BL
VERON	14108,0	05.29	16	7	RUS	H9LO	A1A		to JFBM, ZEQ6, etc : proc
VERON	14108,0	09.23	19	7	RUS	8WHQ	A1A		to QQ9Q : 5BL
VERON	14108,0	09.33	19	7	RUS	H9LO	A1A		to ZEQ6, AZIA, FGMH, YKAT, K3PA etc
VERON	14108,0	09.08	20	7	RUS	H9LO	A1A		to YKAT : 5BL
VERON	14108,0	09.18	20	7	RUS	H9LO	A1A		to JFBM : 5BL proc
VERON	14108,0	07.04	21	7	RUS	OCYC	A1A		to KX2N, STA9,IOKG,NN3S, etc proc
VERON	14108,0	05.08	23	7	RUS	OCYC	A1A		to NN3S: 5BL
VERON	14108,0	05.13	23	7	RUS	OCYC	A1A		to STA9:
VERON	14108,0	07.15	26	7	RUS	OCYC	A1A		to AMK1: 5BL
VERON	14108,0	07.05	28	7	RUS	NHKO	A1A		to 5TA9, : QJG QYT9 K (many times)
VERON	14108,0	07.14	29	7	RUS	OCYC	A1A		to KX2N, 5TA9,TQKN,IOKG,E2Gv etc
VERON	14108,0	09.22	28	7	CIS	OCYC	A1A		Calls (to: 5TA9 IOKG TQKN NH8D)
VERON	14110,0	08.20	27	7		UiPTR	F1B		Ptr
VERON	14118,0	10.50	16	7		UiMux	PSK8	2k4	
VERON	14120,0	10.15	6	7		UiPTR	F1B		Ptr
VERON	14141,0	08.13	27	7		UiPTR	F1B		Fast Revs/Ptr
VERON	14177,0	08.23	27	7		UiPTR	F1B		Ptr
VERON	14191,9	18.41	3	7	RUS	UiPtr	F1B	200	Idling; bad filter
VERON	14192,0	05.27	16	7		UiPtr	F1B	250	Ptr
VERON	14192,0	vt	vd	7		UiPTR	F1B		Revs
VERON	14240,0	10.13	6	7		UiPTR	F1B		Ptr
VERON	14240,0	10.28	7	7	CIS	UiCW	A1A		Strings of Cyrillic morse
VERON	14295,0	14.42	31	7		UiCar	F1A?	20	Wobbling carrier; s9
VERON	18134,0	19.47	4	7					Frequency hopper
VERON	21065,0	08.52	25	7		UiRadar	PON		50 pps system
VERON	21158,0	19.36	31	7					Frequency hopper
VERON	21286,0	09.20	25	7					Frequency hopper
VERON	21340,0	16.16	10	7		UiRadar	PON		OTHR; 18k broad signal

IARUMS Region 1

Many thanks for your interest!

The monitoring team of IARU Region 1

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