



International Amateur Radio Union



Region 1

Monitoring System

- IARUMS Region 1 -

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The monthly newsletter for Region 1

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Acknowledgements

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 ++ DF5UG - Hans (EC-IARU-R1) ++ DF8FE – Martin (Webmaster assistance) ++ DL8AAM – Tom (ALE) ++
 ++ G3VZV – Graham (satellite intrusions) ++ DK4VW - Ulli (DARC-HF-Department) ++
 ++ DJ7KG - Georg (beacons) ++ DF5SX - Wolfgang (BC) ++ DARC (server support) ++
 ++ German PTT ++ British PTT ++ Spanish PTT ++ Finnish PTT ++ other European PTTs ++
 ++ IARU Region 1 assistance ++

Part 1: News and infos

Part 2: Detailed reports from the national co-ordinators

Part 1: News and Infos

1. 29200 kHz – DRM Transmissions from Technical University Delft, latest solution

The TU Delft fellows will transmit on 29200 DRM in FM by using an amateur callsign. This QRG is rarely used by Hams. We are not glad, but there was no better solution.

2. 10120 - 10150 kHz – OTH radar Cyprus

The OTH radar was daily active in this range. Any kind of ham-traffic was not possible for several hours.

3. 28105 kHz – Irish Catholic Divine Service still active

We heard again the Catholic Divine Radio Service from Dublin on 28105 kHz in FM. The Irish authorities got a complaint from the German PTT, the Irish amateurs got complaints from DJ9KR. No results at this time. Perhaps the Catholic church has special rights to abuse our bands. But I did not find any reference in the Holy Bible.

4. 7050 kHz – IM product from Voice of Russia (VOR) disappeared

The problems are probably solved. I could not find any carrier or modulation the last days.

5. 10101, 14111, 21121, 21181.7 USB – Moroccan pirates

Moroccan pirate nets in USB, probably fishery traffic close to the Moroccan coast. "Muhamed" was often called.

6. Great success – two Stanag 4285 MIL systems removed

The Stanag 4285 MIL systems on 3758 and 21028.6 kHz were removed. Thanks to Chris, G4BOH, the German and the British PTT.

7. 7100 – 7200 kHz – the new Russian military band

We found again many Russian MIL systems in "our new range", common printers and AT3004D (12 tone system).

8. Spanish pirate invasion – worse and worse

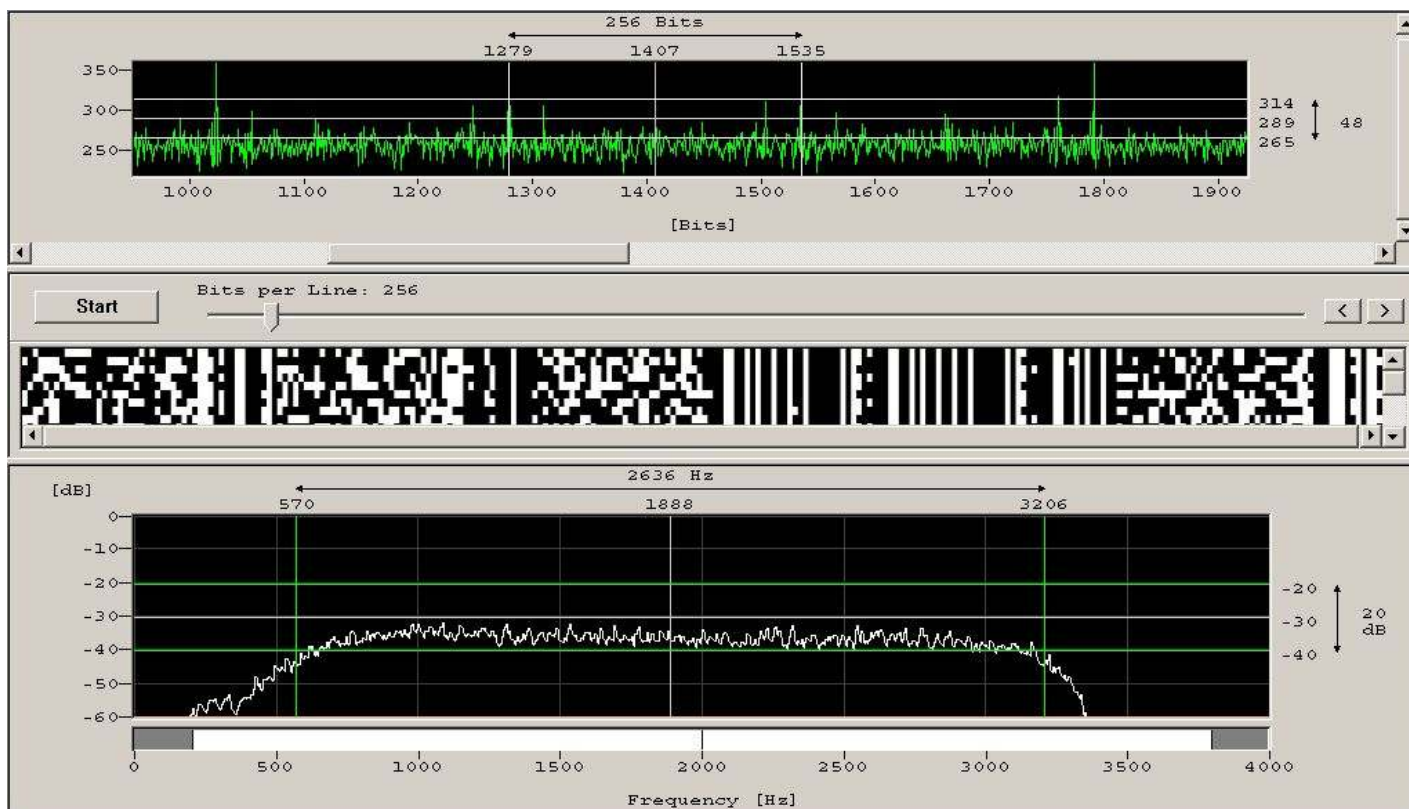
7000, 14000, 14014.5, 14100, 14114.5, 14124, 14125, 14135, 14140, 14320, 14350, 21000, 21100, 21095, 21120 **USB** – Spanish fishery and family traffic, daily, various times! **Bad as never before!**

9. Homepage IARUMS Region 1 <http://www.iarums-r1.org>

Homepage IARUMS Region 2 <http://www.iaruregion2.org>

Homepage IARUMS Region 3 <http://www.jarl.or.jp/iaru-r3/ms/r3msnl.htm>

Stanag 4285 – 2400Bd, 8PSK, MIL system – autocorrelation frequency (ACF) = 256
– decoding not possible! – Measurement: DK2OM with Wavecom



Part 2: Detailed reports from the national Co-ordinators

dly = daily *** vt = various times *** vd = various days *** pps = pulses per second (radar systems) *** BD = Baud ***
 SH = Shift *** J3E-U = USB *** J3E-L = LSB *** MIL = military *** NGO = non governmental organization
 MM = month *** DD = day *** ITU = ITU abbreviation *** PRC = People Republic of China ***
 PLA = people's liberation army *** MFA = Ministry for Foreign Affairs

ARSK – Kenya – 5Z4NU (Ted)

H'd by	kHz	UTC	dd	mm	ITU	Identity	Mode	Details
ARSK	6999.0	vt	dly	10	ETH?	UiPHONE	J3Eu	Amharic. Spreads into 40 m. band.
ARSK	7000.0	vt	dly	10	SOM	UiPHONE	J3Eu	Somalis, Bossasso. Phone patching.
ARSK	7002.0	vt	dly	10	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7006.0	0610	23	10	ETH?	UiPHONE	J3E	Amharic? Background music.
ARSK	7008.0	vt	dly	10	SDN	M7, M10, M18, M21, M22, M125, 35, CM, others	J3E J3Eu	English, vernaculars, verbal Morse. Selcal. SPLA. Both sidebands used.
ARSK	7009.0	0539	25	10	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7011.0	0517	10	10	SOM	Boccaro	J3Eu	Somalis.
ARSK	7012.0	vt	dly	10	SOM	Kismayu, Afmadu, Dobleh, Baidoa?	J3Eu	Somalis, SelCal. Some KiSwahili, prob. Bajuni.
ARSK	7013.0	vt	*	10	SOM	UiPHONE	J3Eu	Somalis. *25,
ARSK	7014.0	0534	25	10	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7017.0	0525	21	10	SDN	UiPHONE	J3E	Nilotic language. Juba mentioned.
ARSK	7022.0	vt	*	10	SOM	UiPHONE	J3Eu	Somalis. *12,25,26,
ARSK	7024.0	0647	26	10	SDN?	UiPHONE	J3Eu	Nilotic language.
ARSK	7025.0	vt	*	10	SOM	UiPHONE	J3Eu	Somalis. * 10,
ARSK	7026.0	0645	26	10	SDN?	K1, K2.	J3Eu	Two English women. NGO?
ARSK	7027.0	0620	22	10	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7030.0	0622	22	10	ZAI?	UiPHONE	J3Eu	Vernacular, Selcal. Could be Sudan.
ARSK	7030.0	vt	*	10	SOM	UiPHONE	J3Eu	Somalis. *22,26,
ARSK	7031.0	0649	26	10	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7033.0	0624	22	10	SDN	UiPHONE	J3Eu	Vernacular, English. SPLA?
ARSK	7035.0	0626	22	10	SOM	UiPHONE	J3Eu	Somalis. Calling Asmara.
ARSK	7042.0	vt	*	10	SOM	UiPHONE	J3Eu	Somalis. *25,
ARSK	7045.0	vt	dly	10	SDN	MM, NE, NU, AA, AK, AJ, AL, AT, AO, DU, WL1, WL2, WL4, WL5, WL6, WL9, WL10, BR, WM, NU, MAJ, Ikola? Kabwe?	J3E J3Eu	Vernacular, Dholuo? English, phonetics. SelCal. Sudan, NGO, SPLA or SNLA? Sends messages in phonetic five letter groups, probably a single-substitution cypher.
ARSK	7045.0	0540	31	10	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7045.0	vt	dly	10	ZAI	Bukavu	J3Eu	KiSwahili, French.
ARSK	7048.0	vt	dly	10	SDN	WA, S, T, SM, AU, PK, PS, AC, BC, B15, CC, Malakal, Yambio,	J3E	English, vernacular, verbal Morse. NGO or SPLA?
ARSK	7049.0	0625	22	10	SOM	Boccaro	J3Eu	Somalis.
ARSK	7050.0	vt	dly	10	SOM	UiPHONE	J3Eu	Somalis.
arsk	7056.0	0345	26	10	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7057.0	vt	*	10	SOM	Dobleh, Afmadu	J3E	Somalis. *7,15,
ARSK	7061.0				SOM	UiPHONE	J3Eu	Somalis.

H'd by	kHz	UTC	dd	mm	ITU	Identity	Mode	Details
ARSK	7066.0	vt	dly	10	SDN	B1, B2, AT,K1, KT, CT, TI, BT, B2, KR, JT, P1, LL, LA, A25, BJ, RK1, RK2, KA	J3E	S. Sudan. English, & Nilotic language. NGO? Also uses 5712 KHz.
ARSK	7069.0	vt	*	10	SOM KEN	UiPHONE/ Garissa	J3Eu	Unidentified Somalia station working with Garissa. *15,
ARSK	7070.0	vt	dly	10	SOM ERI	Asmara, Afmadu, Dobleh, Baidoa, Merere, Garoe, Burhane, Mogadishu, Kismayu, Beletwein	J3Eu	Somalis. SelCal. Often late at night.
ARSK	7072.0	0534	15	10	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7075.0	vt	dly	10	SOM	Galkayu, Kismayu, Baidoa	J3E J3Eu	Somalis. SelCal, phonepatching.
ARSK	7088.0	0545	24	10	SOM	UiPHONE	J3E	Somalis.
ARSK	14331,5	0345	23	10	?	UiPHONE	J3E	Two men., Urdu? Non-amateur.

DARC – Germany – Part 1 – DJ9KR (Uli) / DK2OM (Wolf)

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	REMARKS
DARC	1818,0	vt	vd	10	J3E-U	E	UiLL	Spanish fishery in SSB-USB, also using scrabler type "CRY-2001", heard 22 23 at 1740, 1930
DARC	3500,0	2024	10	10	J3E-U	E	UiILL	Spanish fishery, USB used
DARC	3540,0	vt	19		A3E	F	F3GZ, F5MHR, F6HSB, F6ACB	not conform to IARU Bandplan: A3E in CW section, heard F3GZ = Guy, F5MHR = Jean-Paul, F6HSB = André, F6ACB = Roland, also 3FG, 3AZ, DQH - identification is very difficult as the stns do not use a prefix and do not spell their call phonetically
DARC	3540,0	vt	19		A3E	F	F3GZ and others	heard 0746 - 0812
DARC	7000,0	1949	04	10	J3E-U	E	UiILL	pirates in Galician voice, fishery
DARC	7000,0	0857	15	10	J3E-U	E	UiILL	Spanish fishery
DARC	7000,0	vt	27	10	J3E-L	I	I0JRJ	OP Franco, with Antonello, I?IG, IK8AQJ(?), heard 1510 - 1514
DARC	7000.0	vt	vd	10	J3E-L	I	Italian Hams - or Violation of Call Signs	often amateurlike traffic in Italian, LSB lower than 7000 kHz, so out-of-band-traffic - Hams or violation of Ham Calls?
DARC	10123,0	1935	24	10	J3E-U		UiLL	pirate net ... or lis Amateurs?
DARC	10123,0	1301	25	10	J3E-U		UiILL	pirates in English voice
DARC	10133,0	0927	25	10	J3E-U	F	French Amateurs	not conform to IARU Bandplan
DARC	10134,0	0859	22	10	J3E-U	F	French Amateurs	not conform to IARU Bandplan
DARC	10135,0	vt	17	10	J3E-U	F	F5VBU	OP Malcolm, English voice. Is in contact with other English speaking stations (Melvin, Manfred), heard 0859 - 0904
DARC	10135,0	vt	17	10	J3E-U	G	Radio Amateurs	Ops Melvin and Manfred ("Fred"), English voice with Malcolm, heard 0859 - 0904
DARC	10136,0	vt	vd	10	J3E-U	F	French Amateurs	French Amateurs heard 04 14 23 at 0935, 0937, 0941 - not conform to IARU

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	REMARKS
								Bandplan
DARC	10138,5	0933	04	10	J3E-U	F	French Amateurs	not conform to IARU Bandplan
DARC	10150,0	1023	04	10	J3E-U	E	UiILL	Spanish fishery with "Ramon"
DARC	10150,0	1528	06	10	J3E-U	S.As	UiILL	pirates in Hindi voice
DARC	13999,0	1315	02	10	J3E-U	S.As	UiILL	splatters from fishery vessels poss. In Indian Ocean
DARC	14000,0	1457	09	10	J3E-U	INS	UiILL	pirates
DARC	14000,0	1707	05	10	J3E-U		Alfa Hotel Lima	man calling "AHL"
DARC	14000,0	1443	09	10	J3E-U	UKR	UiILL	pirates, LSB used
DARC	14000,0	0817	10	10	J3E-U		UiILL	unid pirates, roger beep
DARC	14000,0	1610	19	10	J3E-U		UiILL	unid male voices, engine noise, QTE Tübingen 110 degs.
DARC	14000,0	1311	20	10	J3E-U	S.As	UiILL	pirate net in Hindi voice
DARC	14000,0	vt	vd	10	J3E-U	S.As	UiILL	pirates in Hindi voice, heard 03 20 at 1205
DARC	14000,7	1420	17	10	J3E-U	S.As	UiILL	pirate net in Hindi voice
DARC	14001,0	0704	17	10	J3E-U	S.As	UiILL	pirate net in Hindi voice
DARC	14014,0	vt	26	10	J3E-U	S.As	UiILL	3 male persons, Indian or Sria Lankan language, heard 1622 - 1625 - to 14044
DARC	14014,5	vt	18	10	J3E-U	E	Spanish Fishery	2 male persons in Spanish voice, one OP says to HAM that they are off the coast of Guinea Bissao" - heard 0749 - 0755
DARC	14016,0	1730	09	10	J3E-U	KOR	UiILL	Korean (south) ships in South Atlantic Ocean, LSB used
DARC	14034,0	vt	26	10	J3E-U	S.As	UiILL	3 male persons, Indian or Sria Lankan language, heard 1643 - 1645 - from 14084
DARC	14044,0	vt	26	10	J3E-U	S.As	UiILL	3 male persons, Indian or Sria Lankan language, heard 1629 - 1634 - to 14084
DARC	14084,0	vt	26	10	J3E-U	S.As	UiILL	3 male persons, Indian or Sria Lankan language, heard 1638 - 1643 - to 14034
DARC	14100,0	vt	19	10	J3E-U	E	UiILL	male persons in Spanish dialect, heard 1600 - 1607
DARC	14100,0	1701	20	10	J3E-U	E	UiILL	male persons in Spanish, whistling and saying "treze" (thirteen - and off the frequency)
DARC	14100,0	1605	vd	10	J3E-U	E	UiILL	Spanish fishery in Med. Sea, heard 19 20 at 1605
DARC	14100,0	vt	vd	10	J3E-U	E	UiILL	family traffic in Spanish voice, male to female, heard 11 - 26 (11 reports) 1647 - 1711 - to 14135, later to 14140
DARC	14101,0	1632	17	10	J3E-U	E	UiILL	Spanish fishery
DARC	14101,5	1413	20	10	J3E-U	S.As	UiILL	pirate net in Hindi voice
DARC	14102,0	vt	30	10	J3E-L	E	UiILL	2 male persons in Spanish voice, "cambi" when changing mike, heard 0930 - 0936 - to 14202 - LSB operation
DARC	14102,9	1330	16	10	J3E-U	S.As	UiILL	pirates in Hindi voice
DARC	14110,0	1022	24	10	J3E-U	KOR	UiILL	2 male persons in Korean voice
DARC	14111,0	vt	23	10	J3E-U	MRC	Moroccan Fishery	2 male persons in Ar dialect, heard 0902 - 0914/
DARC	14111,0	vt	24	10	J3E-U	MRC	Moroccan Fishery	3 Ar male persons, heard 1020 - 1027
DARC	14111,0	vt	24	10	J3E-U	MRC	Moroccan Fishery	2 male persons in Ar dialect, heard 1524 - 1532 - to complaining amateur: "We are Moroccan fishery off the coast of Agadir", s/off with excuses
DARC	14111,0	vt	25	10	J3E-U	MRC	Moroccan Fishery	2 male persons in Ar dialect, engine noise, heard 1029 - 1032
DARC	14111,0	vt	vd	10	J3E-U	MRC	UiILL	Moroccan pirates, heard 25 26 at 1040
DARC	14124,8	0905	30		J3E-U	E	UiILL	Spanish male net
DARC	14135,0	vt	vd	10	J3E-U	E	UiILL	Spanish male to female, heard 16 18 at 1714, 1702 - from 14100 to 14140
DARC	14140,0	1vt	vd	10	J3E-U	E	UiILL	Spanish male to female, heard 16 18 at 1715, 1703 - from 14100 to 14140
DARC	14202,0	vt	30		J3E-L	E	UiILL	2 male persons in Spanish voice, "cambi"

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	REMARKS	
									when changing mike, heard 0936 - 0940, - from 14102 - LSB operation
DARC	14260,0	vt	18	10	A3E		578-000		"Five Seven Eight Zero Zero Zero", female voice spelling in English, carrier (0742), later (0800) spelling
DARC	14303,0	1218	14	10	J3E-U	F.Ea	UiILL		pirates
DARC	14305,0	1229	14	10	J3E-U	F.Ea	UiILL		pirates
DARC	14338,6	1400	12	10	J3E-U	F.Ea	UiILL		pirates, LSB used
DARC	18100,0	0707	11	10	J3E-U		UiILL		pirates in Arabic voice
DARC	20998,0	1829	02	10	J3E-U	CHL	B4, TB2		splatters from Chilean MIL
DARC	21000,0	0914	24	10	J3E-U	E	UiLL		Spanish fishery, engine noise
DARC	21095,0	vt	25	10	J3E-U	E	Spanish Couple		male to female in Spanish, from 21120, 1616 - s/off at 1621. Fixing sked on frequency "5-Rojo" 26 October at "1818 local Spanish time"
DARC	21120,0	1015	25	10	J3E-U		UiILL		male to female, no hams
DARC	21120,0	vt	25	10	J3E-U	E	Spanish Couple		male to female in Spanish, heard 1610 - 1616. At 1616 "5-Mayo" and to 21095
DARC	21121,5	1715	25	10	J3E-U	MRC	UiILL		Moroccan pirates
DARC	28000,0	vt	vd	10	F3E	CIS	UiILL		taxi business 28000 - 29700, all month all day
DARC	28105,0	1010	29	10	F3E	IRL	Divine Service		Catholic Divine Service, S 7 - 8
DARC	28105,0	0900	30	10	A3E	E	UiILL		Spanish male net
DARC	28125,0	0950	19	10	F3E	POL	UiILL		Polish CB-ers

DARC – Germany – Part 2 – DJ9KR (Ui) / DK2OM (Wolf)

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DARC	3507,0	2133	14	10	FSK8		UiMUX	125		THALES-Skymaster, FSK8 - is legal!
DARC	3507,3	2134	14	10	G7B	D	UiMUX			system AROTEL MAHRS, 2k4, is German Navy - is legal!
DARC	3530,0	2006	26	10	G7B	NATO	UiMUX			NATO-LINK-11, is legal
DARC	3540,0	0500	01	10	A3E	F	French Amateurs			French Amateurs, no respect of IARU Bandplan, daily
DARC	3544,5	2119	11	10	F1B		UiPTR	150	100	unid printer, is allowed!
DARC	3560,0	vt	vd	10	A3E	KRE	Voice of Korea (North)			broadcast daily heard 07 - 19 at 1745 - 2120
DARC	3572,0	0842	15	10	QPSK	HOL	UiMUX	100		Radio Navigation, QPSK, Holland - is legal!
DARC	3748,0	2158	18	10	J7D	RUS	UiMUX			MPSK12 - AT-3004-D
DARC	3756,0	1949	05	10	A3E	UKR	The Pip			10-tones, is UKR MIL, daily
DARC	7000,0	0926	18	10	J7D	RUS	UiMUX Moscow			MPSK12- system AT-3004D, located Moscow
DARC	7000,0	1704		10	G7B		UiMUX			frequency hopper
DARC	7000,0	vt	vd	10	A3E	BLR	Radio Belarus			splatters or IM of Radio Belarus on 7105
DARC	7000,0	vt	vd	10	J7D	RUS	UiMUX			MPSK12 - AT-3004-D heard 02 04 at 1947, 1939
DARC	7003,0	vt	vd	10	FSK8	SRB	UiMUX	125	1750	ALE, selcalls T01147 & T01185, US Army Aviation (=1-147 AVN & 1-185 AVN) Balkan/Kosovo, daily
DARC	7012,5	1517	21	10	J7D	RUS	UiMUX			MPSK12 - AT-3004-D
DARC	7013,0	1908	21	10	J7D	RUS	UiMUX			MPSK12 - AT-3004-D
DARC	7016,0	0613	13	10	F1B	RUS	UiPTR	75	250	unid printer
DARC	7020,0	0613	13	10	F1B	RUS	UiPTR	75	250	unid printer
DARC	7020,0	0956	03	10	F1B	RUS	UiPTR	75	250	unid printer

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DARC	7030,0	1428	21	10	F1B	RUS	UiPTR	75	250	unid printer heard 03 21 at 1454, 1428
DARC	7034,0	1455	03	10	J7D	RUS	UiMUX			MPSK12 - AT-3004-D
DARC	7038,7	vt	dly	10	A1A	UKR	beacon D Sevastopol			located Sevastopol heard all month at 0735 , 0812, 1556, 1900, 2107
DARC	7038,8	vt	dly	10	A1A	RUS	beacon P Kaliningrad			located Kaliningrad, heard all month at 0646, 0939, 1440, 1718, 2006
DARC	7038,9	vt	dly	10	A1A	RUS	beacon S Murmansk			located Murmansk heard all month 0552, 1556, 2107
DARC	7039,0	vt	dly	10	A1A	RUS	beacon C Moscow			located Moscow heard all month 0812, 1549, 2107
DARC	7039,2	vt	vd	10	A1A	RUS	Beacon F Vladivostok			beacon heard 01 10 at 1700, 2100
DARC	7039,6	1551	15	10	A1A	I	IZ3DVW / BEACON			unwanted beacon heard 01 02 15 at 1701, 1551, 1930
DARC	7040,0	vt	09	10	A3E	RUS	Voice of Russia			vy much distorted En px S9+40dB, splatters, only poss. to receive in F3E position - 7015 - 7055 - 1915 - s/off at 2102
DARC	7050,0	1947	17	10	G7B		UiMUX			frequency hopper
DARC	7050,0	vt	12	10	A3E	RUS	Voice of Russia			1628: sign on, 2 px audible - 1. Px on 7195 kHz (French), 2. Px on 7340 kHz big carrier with faint Fr px
DARC	7050,0	vt	12	10	A3E	RUS	Voice of Russia			at 1700 on 7340: Finnish px, at 1937 Spanish px - heard 1628 - 1937
DARC	7050,0	vt	vd	10	A3E	RUS	Voice of Russia			IM product of 7195 / 7340, heard 01 04 10 12 15 23 at 1700 - 1900 - reported to KON
DARC	7054,0	vt	vd	10	F1B	RUS	Printer Novgorod	50	200	printer daily 1922 - 2144
DARC	7060,0	0732	11	10	XXX		UiMUX			mux rushing noise heard 0723 - 0754
DARC	7060,0	2130	16	10	A1A	CHN	L9CC			roundslip CP17 DE L9CC
DARC	7060,5	vt	19	10	A1A	CHN	L9CC			roundslip CP17 DE L9CC heard 2047 - 2220
DARC	7061,0	0705	11	10	J7D	RUS	UiMUX			12-tone AT-3004-D
DARC	7061,7	2016	12	10	A1A	CHN	L9CC			roundslip CP17 DE L9CC
DARC	7061,8	2148	02	10	A1A	CHN	L9CC			roundslip "VVV CP17 DE L9CC"
DARC	7063,0	2110	22	10	A1A	CHN	L9CC			round
DARC	7063,4	2025	10	10	A1A	CHN	L9CC			roundslip CP17 DE L9CC
DARC	7063,7	2123	17	10	A1A	CHN	L9CC			roundslip CP17 DE L9CC
DARC	7065,0	2131	14	10	A1A	CHN	L9CC			roundslip CP17 DE L9CC
DARC	7065,2	1924	18	10	A1A	CHN	L9CC			roundslip CP17 DE L9CC
DARC	7067,0	vt	31	10	A3E	IND	All India Radio			completely distorted modulation with strong hum, QSA5 (S9+15dB), splattering 10 kHz, heard 2010 - 2118 - fundamental found on 7410 (also distorted), 2nd spurious found on 7753 also completely distorted and S9+15dB
DARC	7067,0	vt	31	10	A3E	IND	All India Radio			vy much distorted En px S9+40dB, splatters, difficult to understand, strong hum, S9+15dB, heard 1745 - 2230 s/off - is spurious of 7410

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
										kHz (which is also slightly distorted) another "mirror frequency" is on 7753 - info to KON
DARC	7067,0	vt	31	10	A3E	IND	All India Radio			program: 1745 - 1945: Gen-Overseas Service 4, 1945 - 2045: Hindi Service, 2045 - 2230: General Overseas Service 5 - address: spectrum-manager@air.org.in
DARC	7067,4	2156	13	10	A1A	CHN	L9CC			roundslip CP17 DE L9CC
DARC	7067,9	2116	11	10	A1A	CHN	L9CC			roundslip CP17 DE L9CC
DARC	7068,0	1645	04	10	F1B	RUS	UiPTR	75	200	unid printer
DARC	7068,5	vt	11	10	A3E	IND	All India Radio			distorted modulation, En px, S8 - 2026 - 2106
DARC	7069,1	2102	10	10	A1A	CHN	L9CC			roundslip CP17 DE L9CC
DARC	7070,0	1654	23	10	N0N	IND	All India Radio			long lasting carrier (of BC stn?)
DARC	7070,0	1753	09	10	A3E	IND	All India Radio			completely distorted modulation
DARC	7070,0	1757	02	10	F1B	CIS	UiPTR	50	200	unid printer
DARC	7070,0	1941	12	10	A3E	IND	All India Radio			distorted modulation
DARC	7072,5	1517	21	10	A3E	IND	All India Radio			distorted modulation
DARC	7072,5	vt	09	10	A3E	IND	All India Radio			En px, Indian mx, very much distorted, S9+20dB, heard 2100 - 2112 -
DARC	7072,5	vt	10	10	A3E	IND	All India Radio			En px, Indian mx slightly audible, very much distorted, S9+20dB, heard 1945 - 2028
DARC	7076,0	0956	03	10	F1B	RUS	UiPTR	75	250	unid printer
DARC	7077,7	1526	19	10	F1B	RUS	UiPTR	81	1000	unid printer located St. Petersburg
DARC	7080,0	1600	12	10	A3E	RUS	Voice of Russia			2 px: 1. // 7130 Romanian px 2. Px??? - 1600: sign on Oriental mx
DARC	7080,0	1918	12	10	A3E		UiBC			IM product
DARC	7080,0	1946	23	10	A1A	BLR	Radio Belarus			splatters from Radio Belarus on 7105
DARC	7082,0	2026	11	10	A3E	RUS	Voice of Russia			very overmodulated 30 kHz splatter, S9+30dB
DARC	7088,0	1920	01	10	A3E	BLR	Radio Minsk Belorus			splatters form 7105
DARC	7089,0	1933	12	10	A3E	BLR	Radio Minsk Belorus			splatters from 7105
DARC	7090,0	vt	vd	10	G7B	GRC	UiMUX	2k4		2400 Bd, 8PSK, system LINK11-SLEW", located Aegean Sea
DARC	7100,0	2024	11	10	A3E	KRE	Voice of Korea (North)			BC
DARC	7100,0	1517	21	10	A3E	ERI	Voice of the Broad Masses			BC
DARC	7100,0	2010	31	10	A3E	KRE	Voice of Korea (North)			French ? Px, weak signal
DARC	7102,0	1008	11	10	F1B	RUS	UiPTR	50	850	unid printer
DARC	7102,0	vt	12	10	F1B	RUS	UiPTR			unid printer active 0859 - 1059
DARC	7102,0	vt	vd	10	F1B	RUS	UiPTR	75	850	unid printer heard 10 12 at

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
										1428, 0728
DARC	7105,0	2109	11	10	JAM	CHN	Hainan Music Jammer			is active
DARC	7116,0	0922	05	10	F1B	RUS	UiPTR	81	200	unid printer
DARC	7117,0	1313	02	10	F1B	RUS	UiPTR	50	1000	unid printer
DARC	7122,0	0725	23	10	F1B	RUS	UiPTR	50	200	unid printer
DARC	7123,0	1006	11	10	F1B	RUS	UiPTR	50	250	unid printer
DARC	7125,0	0612	25	10	A3E	ROU	Radio Romania Intl.			Ge px, splattering 20 kHz
DARC	7129,0	1314	02	10	J7D	RUS	UiMUX			12-tone AT-3004-D
DARC	7130,0	1711	20	10	JAM	CHN	Hainan Music Jammer			is active
DARC	7162,0	1428	21	10	F1B	RUS	UiPTR	75	250	unid printer
DARC	7176,0	vt	vd	10	F1B	RUS	UiPTR	75	250	unid printer heard 03 23 at 0959, 1600
DARC	7176,2	1646	23	10	F1B		UiPTR			unid printer
DARC	7185,0	1711	20	10	JAM	CHN	Hainan Music Jammer			is active
DARC	7188,0	vt	vd	10	F1B	RUS	UiPTR Moscow	75	250	unid printer located Moscow
DARC	7196,0	1048	09	10	F1B	RUS	UiPTR	75	250	unid printer
DARC	7198,0	0744	05	10	J7D	RUS	UiMUX			MPSK12 - AT-3004-D
DARC	10100,8	1554	12	10	F1B	D	DDK9	50	450	German Weather, is allowed!
DARC	10100,8	0723	10	10	F1B	D	DDK9	50	450	German Weather, is allowed!
DARC	10103,0	0647	17	10	F1B		UiPTR	52,8	400	unid printer
DARC	10104,0	1951	05	10	G7B		UiMUX			frequency hopper
DARC	10110,0	0723	10	10	J7D	RUS	UiMUX			MPSK12 - AT-3004-D
DARC	10112,0	0740	25	10	J7D	RUS	UiMUX			MPSK12 - AT-3004-D
DARC	10112,0	1549	20	10	A3E	RUS	UiBC			distorted Russian BC, FM with AM on modulation
DARC	10112,0	1652	01	10	G7D	TUR	UiMUX			STANAG-4285, 8PSK, 2k4, is Turkish MIL, legal!
DARC	10114,7	0548	04	10	F1B	RUS	UiPTR	96	1000	CIS-96, online encrypted
DARC	10115,0	0650	17	10	FSK4	CHN	UiMUX	4 x 100	1500	PRC-4, 4 x 100 Bd, 1500 Hz
DARC	10115,5	0612	25	10	F1B		UiPTR			unid printer
DARC	10120,0	0723	10	10	F1B		UiPTR			unid printer
DARC	10120,0	0725	24	10	F1B	RUS	UiPTR	50	250	unid printer
DARC	10121,0	1310	02	10	F1B	RUS	UiPTR	75	250	unid printer
DARC	10122,0	0740	25	10	J7D	RUS	UiMUX			MPSK12 - AT-3004-D
DARC	10123,0	1439	23	10	J7D	RUS	UiMUX			MPSK12 - AT-3004-D
DARC	10128,0	1450	17	10	F1B	RUS	UiPTR	50	250	unid printer
DARC	10130,0	1107	12	10	A3E		UiBC			unid BC
DARC	10130,0	0924	02	10	F1B		UiPTR	50	500	unid printer, encrypted, Baudot
DARC	10130,0	1242	21	10	P0N	G / CYP	British OTH Radar Cyprus			chirping pulses 35 kHz spread, 50 pps (50-Hz-system)
DARC	10132,0	0857	17	10	F1B		UiPTR			unid printer
DARC	10133,0	0723	17	10	F1B	RUS	UiPTR	75	250	unid printer
DARC	10135,0	0934	04	10	G7B		UiMUX			frequency hopper
DARC	10135,0	1030	22	10	P0N	G / CYP	British OTH Radar Cyprus			chirping pulses 35 kHz spread, 50 pps (50-Hz-system)
DARC	10137,0	1309	02	10	F1B	RUS	UiPTR	75	250	unid printer
DARC	10139,0	1240	26	10	G7B		UiMUX			unid 18-tone system, shift 2180 Hz
DARC	10140,0	0740	25	10	J7D	RUS	UiMUX			MPSK12 - AT-3004-D
DARC	10140,0	0757	16	10	P0N	G /	British			chirping pulses 35 kHz

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
						CYP	OTH Radar Cyprus			spread, 50 pps (50-Hz-system)
DARC	10145,0	0723	11	10	P0N	G / CYP	British OTH Radar Cyprus			chirping pulses 35 kHz spread
DARC	10148,6	0905	22	10	PSK		UiMUX			ARCOTEL MAHRS, 2k4
DARC	10150,0	1450	03	10	MFSK	CIS	UiMUX	40		36-tone CIS-36, 40 Bd
DARC	10197,0	0858	25	10	F1B	RUS	UiPTR	75	200	unid printer
DARC	13999,8	1420	07	10	F1B		UiPTR	150	500	unid printer, splatters into ham band
DARC	14000,0	0633	18	10	N0N		UiCAR			carrier, QTE 135 degs.
DARC	14000,0	0732	12	10	A3E		Unid System			unid two-tone-system
DARC	14000,0	0915	18	10	???		UiMOD			strange signal, carrier with spectrum 14 kHz spread
DARC	14000,0	0927	24	10	N0N		UiCAR			long lasting carrier
DARC	14000,0	1006	02	10	G7B		UiMUX			frequency hopper
DARC	14000,0	1503	21	10	FSK8	USA	UiMUX			ALE, selcalls 11, 38, 12
DARC	14000,0	1708	01	10	FSK8	USA	UiMUX WNG777			ALE, selcall WNG777, US Federal Government, daily
DARC	14001,8	0911	01	10	FSK	ARS	UiPTR			PACTOR-1, selcall "ABHA1"
DARC	14001,8	vt	vd	10	G7D		UiMUX			STANAG-4285, 8PSK, 2k4 - heard 05 10 at 0915, 0824 - 220 degs.
DARC	14002,0	1132	22	10	FSK8		UiMUX			ALE, selcalls 153 and 812
DARC	14004,0	1050	23	10	G7B		UiMUX			unid mux
DARC	14006,0	vt	vd	10	F1B	RUS	UiPTR	75	250	unid printer heard 09 11 16 18 at 0653 - 1329
DARC	14008,0	vt	vd	10	F1B	RUS	UiPTR	50	500	unid printer heard 07 10 11 13 18 at 0723 - 0919
DARC	14026,0	vt	vd	10	J7D	RUS	UiMUX			MPSK12 - AT-3004-D heard 08 11 23 at 0720 - 0840
DARC	14037,0	0800	16	10	F1B	RUS	UiPTR	100	240	unid printer
DARC	14050,0	0932	26	10	F1B	RUS	UiPTR	75	250	unid printer
DARC	14055,0	0902	13	10	G7B		UiMUX			frequency hopper
DARC	14056,5	1356	12	10	G7B	EGY	MFA Cairo	16 x 75		CODAN-9001, 16 x 75 Bd, QPSK
DARC	14056,7	1501	12	10	FSK	EGY	MFA Cairo	100	170	SITOR-A
DARC	14060,0	0752	12	10	G7B		UiMUX			frequency hopper
DARC	14077,0	0927	24	10	F1B		UiPTR			unid printer
DARC	14091,0	vt	vd	10	J7D	RUS	UiMUX			MPSK12 - AT-3004-D heard 04 05 11 12 at 0700 - 0905
DARC	14100,0	1720	23	10	G7B		UiMUX			frequency hopper
DARC	14100,0	1927	20	10	A3E		UiBC			unid BC, IM, Arabic voice
DARC	14104,0	0850	17	10	F1B		UiPTR			unid printer
DARC	14104,0	0900	23	10	F1B		UiPTR			fast reversals
DARC	14104,0	vt	vd	10	F1B		UiPTR			unid printer heard 0723 - 0758
DARC	14104,0	vt	vd	10	F1B	BLR	UiPTR	81	250	unid printer located Belarus, Minsk, heard 11 12 15 16 at 0700 - 0849
DARC	14106,0	0736	22	10	F1B	RUS	UiPTR	81	250	unid printer
DARC	14120,0	0642	18	10	F1B	RUS	UiPTR	75	250	unid printer
DARC	14120,0	0833	15	10	F1B	RUS	UiPTR Moscow	81	250	unid printer located Moscow
DARC	14122,0	vt	vd	10	J7D	RUS	UiMUX			MPSK12 - AT-3004-D heard 10 14 22 at 0737 - 0920
DARC	14133,0	vt	vd	10	F1B	RUS	UiPTR	75	250	unid printer
DARC	14144,0	0848	15	10	F1B	RUS	UiPTR	81	250	unid printer
DARC	14180,0	vt	vd	10	F1B	RUS	UiPTR	50	250	unid printer heard 03 05 at 1440, 0751
DARC	14184,0	vt	vd	10	F1B	RUS	UiPTR	81	250	unid printer

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DARC	14185,0	1214	29	10	J7D	RUS	UiMUX			MPSK12 - AT-3004-D
DARC	14210,0	0850	17	10	N0N		UiCAR			big carrier
DARC	14210,0	0856	22	10	A3E		UiBC			IM product
DARC	14210,0	0905	30	10	A3E	ALB	Radio Tirana			harmonic (S9+15dB) of 7105
DARC	14220,0	0841	16	10	F1B	RUS	UiPTR	40,7	500	system FROST-1
DARC	14221,0	0902	02	10	F1B	BLR	UiPTR	75	200	unid printer located Belarus, Minsk
DARC	14236,0	1705	20	10	J7D	RUS	UiMUX			MPSK12 - AT-3004-D
DARC	14242,0	0954	03	10	J7D	RUS	UiMUX			MPSK12 - AT-3004-D
DARC	14260,0	0806	11	10	A3E	RUS	674			roundslip female voice "674 674 ..." followed by 5F traffic is Russian "Secret Service"
DARC	14269,0	vt	25	10	F1B		UiPTR			unid printer heard 0723 - 0758
DARC	14270,0	1705	31	10	A3E		UiBC DRM			DRM signal with rushing noise, S7, 2f de 7135
DARC	14284,0	0645	17	10	A1A		UiCW			encrypted 5 letter groups
DARC	14290,0	1705	31	10	A3E		UiBC			Ru px, S8, QTE 270 degs, 2f de 7145
DARC	14292,0	0640	25	10	J7D	RUS	UiMUX			MPSK12 - AT-3004-D
DARC	14302,0	vt	11	10	J7D	RUS	UiMUX			MPSK12 - AT-3004-D heard 0723 - 0754
DARC	14310,0	1657	16	10	A3E	ALB / CHN	Radio China Intl.			Ge px S9+10dB, harmonic of 7155
DARC	14312,0	0738	12	10	A1A		UiCW			unid CW, QTE 80 degs.
DARC	14332,0	0850	17	10	F1B		UiPTR			unid printer
DARC	14340,0	0644	17	10	A1A		UiCW			encrypted 5 letter groups
DARC	14340,0	1408	16	10	A3E		UiBC			harmonic of 7170 mentioning "Kazakhstan"
DARC	14347,0	0836	21	10	FSK8	CHN?	UiMUX			ALE, selcall "829", QTE 060 degs.
DARC	18070,0	0816	11	10	G7B		UiMUX			frequency hopper
DARC	18080,0	0858	13	10	A3E	PAK	Radio Pakistan			distorted spurious, can also be heard on 18160 and on various frequencies in 80 kHz steps, fundamental found on 17835
DARC	18091,0	1045	29	10	A3E	PAK	Radio Pakistan			distorted IM, can also be heard on 17920, 18005, 18177 - fundamental is on 17335 which is also distorted
DARC	18107,0	vt	vd	10	F1B	RUS	PTR "RDL" Moscow	50	250	unid printer located Moscow, heard 16 18 at 0803, 0419
DARC	18160,0	0858	13	10	A3E	PAK	Radio Pakistan			distorted spurious, also on 18080 and on various frequencies in 80 kHz steps, fundamental found on 17835
DARC	21000,0	0939	18	10	J7D	RUS	UiMUX			MPSK12 - AT-3004-D
DARC	21000,0	1037	22	10	G7B		UiMUX			frequency hopper
DARC	21002,0	0806	16	10	F1B	RUS	UiPTR "RNV"	40		system FSK3, RUS MIL
DARC	21028,6	vt	vd	10	8PSK	CYP	UiMUX			STANAG-4285, 2k4, 8PSK, 300 bps-long, heard 08 - 12 at 0825 - 1010
DARC	21035,0	1^004	25	10	P0N	G / CYB	British OTH Radar Cyprus			chirping pulses 30 kHz spread, 50 pps (= 50 Hz-system)
DARC	21069,0	0817	16	10	G7B		UiMUX			frequency hopper
DARC	21100,0	1026	22	10	F1B	RUS	UiPTR	100	2000	unid printer, harmonic of 10550
DARC	21135,0	1426	05	10	FSK8	IRQ	Irak MIL			ALE, selcalls IGF, 5DV, 6DV - is Iraqi Ministry of Defense

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DARC	21135,2	1035	05	10	FSK8		UiMUX			ALE, selcalls 1030, 6401
DARC	21168,0	1032	22	10	G7B		UiMUX			frequency hopper
DARC	28105,0	1010	29	10	F3E	IRL	Divine Service			Catholic Divine Service in English, S 7 - 8 - Dublin
DARC	28520,0	1345	29	10	J3E-U	GRC	SVA Olympia Radio			roundslip "this is Olympia Radio listening on channel 806, 1232, 1640 and 2217" - can be heard // on 8734 and 13170 kHz - click youtube www.youtube.com/watch?v=cNrFQYgqAHo for same signal
DARC	29685,0	1352	19	10	serial modem	I	UiMUX			serial modem, Italian MIL, located Brescia - is permanent
DARC	29700,0	1352	19	10	serial modem	I	UiMUX			serial modem, Italian MIL, located Brescia - is permanent

MRASZ – Hungary - HA7PL (Laci)

OEVSV – Austria – OE3DMA (Alex)

RSGB - Great Britain – G4BOH (Chris)

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS
RSGB	21028.6	24H	DLY	10	CYP	STANAG 4285	8PSK	Phoned British PTT, signal QRT 15 mins. later! Error at TX site.

SRAL – Finland – OH2BLU (Pekka)

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	SHIFT	REMARKS
SRAL	7000,0	0600-1030	18	10		UiMUX	F7		
SRAL	7009,0	1230-1330	2	10		UiMUX	F7		
SRAL	7016,0	0500-0630	13	10		UiPTR	F1B	250	
SRAL	7018,0	0930-1600	12, 26	10		UiMUX	F7		
SRAL	7020,0	0500-1130	*	10		UiPTR	F1B	200	Days 3, 13 & 15
SRAL	7022,0	1150-1345	12	10		UiMUX	F7		
SRAL	7028,0	0900-1300	*	10		LCY9	A1A		Days 5, 11 & 24
SRAL	7030,0	0830-1500	3	10		UiPTR	F1B		
SRAL	7030 A	1545-1635	9	10	RUS	VoRussia	A3E?		Unstable spurious
SRAL	7035,0	1430-1500	3	10		UiMUX	F7		
SRAL	7038,7	h24	dly	10	UKR	D	A1A		Sevastopol
SRAL	7038,8	0600-1900	17-30	10	RUS	P	A1A		Kaliningrad
SRAL	7038,9	h24	dly	10	RUS	S	A1A		Severomorsk/Murmansk
SRAL	7039,0	h24	dly	10	RUS	C	A1A		Moscow
SRAL	7044,0	1200-1330	1-10	10		UiPTR	F1B	250	Spurious on +/-n x 2 kHz
SRAL	7050,0	1630-2000	1-21	10	RUS	VoRussia	A3E		TX intermod: 7340 & 7195 kHz
SRAL	7054,0	0500	31	10	RUS	UiPTR	F1B	250	

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	SHIFT	REMARKS
SRAL	7059,0	0830-0930	4,11	10		UiPTR	F1B	250	
SRAL	7076,0	0500-0930	3,16	10		UiPTR	F1B	250	
SRAL	7077,0	1515-1545	19	10		UiPTR	F1B	1000	
SRAL	7080 A	1400-1715	21	10	RUS	VoRussia	A3E?		Unstable spurious
SRAL	7100,0	1755-2100	dly	10	KRE	Voice of Korea	A3E		
SRAL	7100,0	0400-0500	dly	10	ERI	VoBME	A3E		
SRAL	7100,0	1330-1803	dly	10	ERI	VoBME	A3E		Days 1-3, 16 & 17 on 7090 kHz
SRAL	7102,0	0530-1530	10-15	10		UiPTR	F1B	830	
SRAL	7117,0	1300-2000	*	10		UiPTR	F1B	1000	12 days
SRAL	7122,0	0540-1400	*	10	RUS	RDL	F1B/A	200	MR 5F/dotter, 16 days
SRAL	7162,0	0630-1730	1,2, 21	10		UiPTR	F1B	250	
SRAL	7176,0	0600-1700	*	10		UiPTR	F1B	250	Days 2, 3, 8, 22 & 23
SRAL	7178,5	0915	19	10		UiCW	A1A		MR 5BL
SRAL	7188,0	0730-1600	*	10		UiPTR	F1B	250	Days 10, 12, 13, 19 & 28
SRAL	7196,0	0800-1200	*	10		UiPTR	F1B	200	Days 9, 16 & 29
SRAL	10140	1400	19	10	CYP	UiOTH	P0N		50 Hz
SRAL	10150	0650	1	10	CYP	UiOTH	P0N		50 Hz
SRAL	14006	0500-1200	*	10		UiPTR	F1B	250	Days 2, 11, 18 & 23
SRAL	14008	0715-0800	11	10		UiPTR	F1B	500	
SRAL	14026	0740	11	10		UiMUX	F7		
SRAL	14122	0900-0930	22	10	RUS	UiMUX	F7		
SRAL	14184	0830-0900	19	10		UiPTR	F1B	250	
SRAL	14269	0730-0930	2	10		UiPTR	F1B		

USKA – Switzerland – HB9CET (Peter)

- not available -

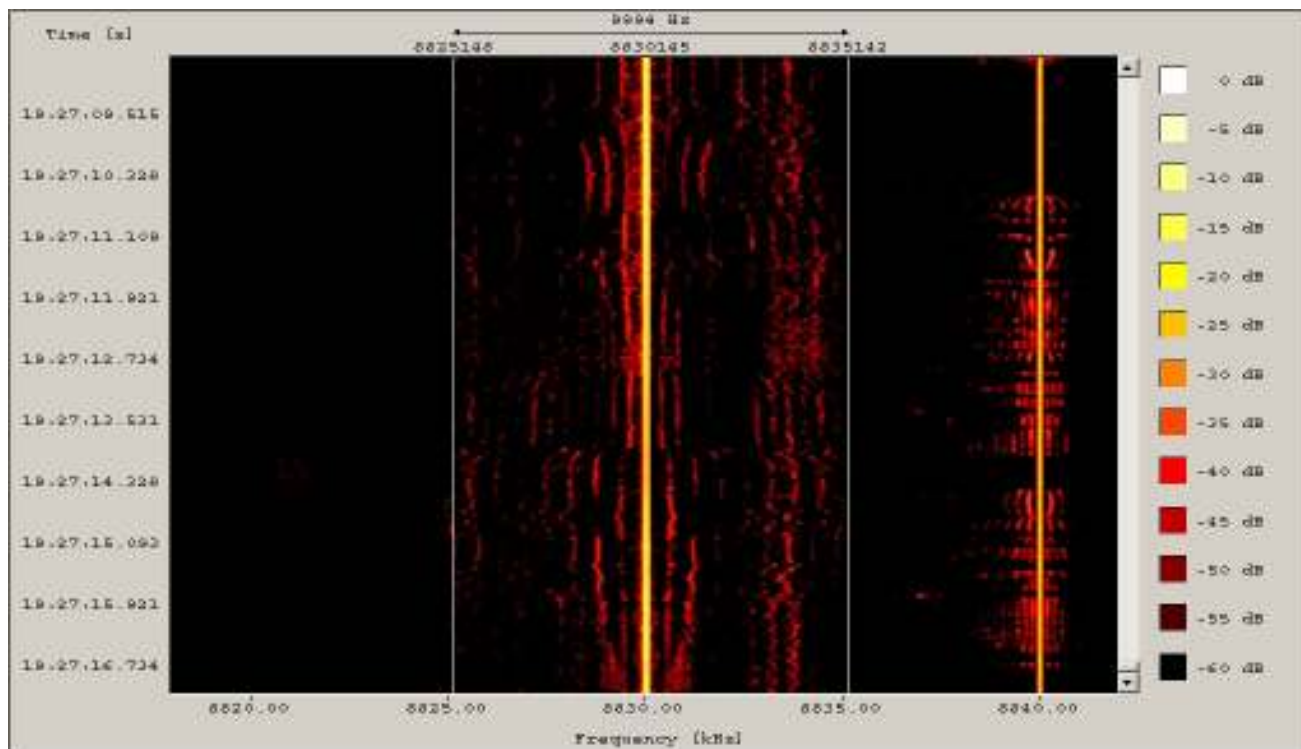
Veron – Netherlands – PA0GRU (Dick)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
VERON	7000,0	19.00	4	10	E	UiILL	J3Eu		Spanish, female
VERON	7000,0	18.14	23	10	E	UiILL	J3Eu		Spanish fishery
VERON	7038,7	05.47	**	10	UKR	D	A1A		17.14 utc, beacon Sevastopol, 26 days
VERON	7038,7	15.45	**	10	UKR	D	A1A		17.45, D-beacon, 4 days
VERON	7038,8	05.47	**	10	RUS	P	A1A		17.08 utc, 12 days, beacon Kaliningrad
VERON	7038,8	08.40	**	10	RUS	P	A1A		17.45, P-beacon, 3 days
VERON	7038,9	24H	**	10	RUS	C	A1A		24 days, beacon Moscow
VERON	7038,9	05.47	**	10	RUS	S	A1A		20.04 utc, beacon Murmansk, 24 days
VERON	7038,9	08.40	**	10	RUS	S	A1A		17.45, S-beacon, 6 days

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
VERON	7039,0	08.40	**	10	RUS	C	A1A		16.50, C-beacon, 3 days
VERON	7039,2	13.48	**	10	RUS	F	A1A		20.04 utc, beacon, 8 days
VERON	7049,0	20.07	10	10	?	BELH	A1A		to GDUG,QSA NO QSY 38373 K
VERON	7050,0	17.10	16	10	RUS	V.O.R.	A3E		IM product Voice of Russia, 7195 KHz
VERON	7050,0	18.29	12	10	RUS	V.O.R.	A3E		Voice of Russia 7195 KHz Opera/French
VERON	7054,0	19.06	4	10	RUS	UiPtr	F1B	250	Ptr
VERON	7057,3	16.18	6	10	CHN	L9CC	A1A		CP17 de L9CC V (roundslip)
VERON	7058,6	16.49	25	10	CHN	L9CC	A1A		CP17 de L9CC V (roundslip)
VERON	7059,1	19.20	5	10	CHN	L9CC	A1A		CP17 de L9CC V (roundslip)
VERON	7059,7	18.51	22	10	CHN	L9CC	A1A		CP17 de L9CC V (roundslip)
VERON	7060,1	17.17	16	10	CHN	L9CC	A1A		CP17 de L9CC V (roundslip)
VERON	7060,4	16.58	19	10	CHN	L9CC	A1A		CP17 de L9CC V (roundslip)
VERON	7061,5	17.28	12	10	CHN	L9CC	A1A		CP17 de L9CC V (roundslip)
VERON	7061,8	19.44	15	10	CHN	L9CC	A1A		CP17 de L9CC V (roundslip)
VERON	7062,3	17.25	3	10	CHN	L9CC	A1A		CP17 de L9CC V (roundslip)
VERON	7063,3	18.44	31	10	CHN	L9CC	A1A		CP17 de L9CC V (roundslip)
VERON	7065,1	20.12	14	10	CHN	L9CC	A1A		CP17 de L9CC V (roundslip)
VERON	7069,0	20.12	10	10	CHN	L9CC	A1A		CP17 de L9CC V (roundslip)
VERON	7072,0	18.52	11	10	India	A.I.Rdo	A3E		All India Radio, IM 20 KHz wide
VERON	7142,0	06.41	10	10	UK	UiILL	J3Eu		English fishery
VERON	14000,0	08.37	16	10		UiCAR	NON		17.40 utc, carrier
VERON	14006,0	08.42	**	10	CIS	UiPtr	F1B		11.03, Revs/Ptr, 2 days
VERON	14006,0	11.32	**	10	CIS	UiPtr	F1B	250	14.12 utc, 2 days, Ptr, QTE 60 degrees
VERON	14008,0	09.58	21	10	CIS	UiPtr	F1B		Carrier/Revs/Ptr
VERON	14008,0	08.02	13	10	CIS	UiPtr	F1B	500	08.13 utc, Ptr
VERON	14014,0	11.10	16	10	CIS	GN2Z	A1A		Proc's/Q+Z-codes/5BL to 2KLJ (CQ)
VERON	14014,0	06.23	**	10	RUS	GN2Z	A1A		07.15 utc, to XWAA, DRHQ, Proc
VERON	14014,0	05.59	4	10	RUS	TXYT	A1A		to WRSV (etc) Proc
VERON	14014,0	06.10	10	10	RUS	TXYT	A1A		to Q9BL,5JOR, WRSV, proc
VERON	14014,0	05.51	15	10	RUS	PZNN	A1A		to XWAA: proc
VERON	14014,0	06.26	24	10	RUS	1K6S	A1A		to PNAZ, WBYT, etc: proc
VERON	14014,0	07.10	27	10	RUS	1K6S	A1A		WBYT de 1K6S QTC K 5BL '07.16 utc
VERON	14014,0	05.07	29	10	RUS	NAC3	A1A		to WBYT: ZCM ZTK ZNF qyt6 K proc
VERON	14014,0	05.19	29	10	RUS	1K6S	A1A		5BL
VERON	14025,0	08.05	13	10	RUS	UiMUX	J7D		MPSK12 - AT3004D
VERON	14025,0	08.30	17	10	RUS	UiMUX	J7D		MPSK12 - AT3004D
VERON	14092,0	08.10	11	10	RUS	RGT77	A1A		5BL
VERON	14092,0	07.17	24	10	RUS	RGT77	A1A		5BL
VERON	14104,0	08.26	**	10		UiPtr	F1B		08.45, Ptr, 2 days
VERON	14104,0	07.11	12	10	CIS	UiPtr	F1B	250	Ptr
VERON	14104,0	08.25	**	10	CIS	UiPtr	F1B	250	08.36 utc, 2 days, Ptr
VERON	14104,0	09.25	18	10	CIS	UiPtr	F1B	250	Revs
VERON	14104,0	11.56	20	10	RUS	RDL	A1A		88436 62256 88436 etc
VERON	14120,0	08.45	**	10		UiPtr	F1B		10.00, Revs/Ptr, 2 days
VERON	14120,0	06.55	24	10	CIS	UiPtr	F1B	250	Revs
VERON	14120,0	08.35	17	10	RUS	UiMUX	J7D		MPSK12 - AT3004D
VERON	14133,0	10.08	22	10		UiPtr	F1B		Ptr
VERON	14184,0	08.47	**	10		UiPtr	F1B		08.52, Revs/Ptr, 2 days
VERON	14220,0	08.28	16	10		UiPtr	F1B		Revs
VERON	14280,0	07.09	12	10	CIS	UiPtr	F1B	250	Ptr
VERON	14310,0	16.00	9	10	CHN	R.China	A3E		Radio China 55, 7155 KHz
VERON	14312,0	08.55	20	10	CIS	MNHN	A1A		Proc's/Q-codes/4F
VERON	14332,0	08.29	16	10		UiPtr	F1B		Ptr
VERON	14332,0	08.26	**	10	CIS	UiPtr	F1B	250	08.35 utc, 2 days, Ptr
VERON	14336,0	08.48	18	10	CIS	P3S8	A1A		Proc's/5BL
VERON	18107,0	08.52	21	10		UiPtr	F1B		Revs/Ptr

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
VERON	18107.0	10.00	17	10	RUS	UiPtr	F1B	250	11.59 utc Ptr loc.nr. Moscow
VERON	18107.0	11.55	17	10	RUS	RDL	A1A		42260 28555 42260 28555 etc
VERON	18107.0	11.55	20	10	RUS	RDL	F1B	250	Revs/Ptr
VERON	21000.0	08.27	13	10		UiCAR	NON		carrier

All India Radio on 7410 kHz (sonagram below) was producing strong spurious and distorted signals on 7065 kHz – Measurement: DK2OM with Wavecom



IARUMS Region 1

Manual2006, Monitoring Template, WAV-files, Fishery Buoys on 10m, Latest Intruder News, Co-ordinator's Corner, Monthly Overview, Newsletter Collection, Important Links, Contacts, Gallery, History of IARUMS Region 1, ITU Informations, the Story of Ron Roden's Life, Successful Actions, Bandplans, Frequency Allocation Tables and Soundfiles are available on: <http://www.iarums-r1.org>

The monitoring team of IARU Region 1

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