



Monitoring System

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The monthly newsletter for Region 1

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The members of the IARUMS Region 1 Monitoring Team:



Acknowledgements

++ ARI: DH7SA – Salvatore ++ ARSK: 5Z4NU - Ted ++ DARC: DJ9KR - Uli ++ EARA: SU1KM – Mohamed ++
++ IRTS: EI4GXB - Ger ++ MARL: 9H1M – Dominic ++ MRASZ: HA7PL - Laci ++ NARS: 5N9AYM – Yusuf ++
++ OEVS: OE3DMA – Alex ++ RAL: OD5RI – Riri ++ REP: CT4AN – Jose and CT1JTQ – Angelo ++
++ RSGB: G4BOH - Chris ++ SARL: ZS4SM - Malcolm ++ SRAL: OH2BLU - Pekka ++ URE: EA1AHO - Jose ++
++ USKA: HB9CET - Peter ++ VERON: PA0GRU - Dick ++ G3VZV – Graham (satellite intrusions) ++
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++ IARU Region 1 assistance ++ PB2T – Hans (IARU R1 President) ++ G3PSM - Colin (EC-IARU-R1) ++

Part 1: News and infos

Part 2: Detailed reports from the national co-ordinators

Screenshots and measurements: DK2OM with Wavcom decoders or Perseus

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Part 1: News and Infos

1. **Strong interference by a neighbored Plasma TV – the endless story ...**

My daily monitoring work is severely affected by 2 neighbored Plasma TVs.
The range from 100 kHz is 30 MHz is concerned from 05 – 22 UTC and later!

2. **Grateful words to our experts**

It is time to mention the great work of our experts DL8AAM, Tom, ALE-expert --- DF5SX, Wolfgang, BC-expert and DJ7KG, Georg, Buoy-expert. Many thanks for your assistance and your reliability!

3. **Unwanted visit from Far East on 14068.3 kHz**

I found the Chinese system PRC4+4 (8 x 75 Bd FSK8 in idling condition) on June 19th on 14068.3 kHz for many hours. Screenshot below!

4. **Codar HF Radar on 24 MHz disappeared**

The Codar HF radar systems from Croatia and Naples were no longer active on our band. Many thanks to all involved persons and PTTs, especially to Luigi (IK8OZZ), Nikola (9A5W), Martin (S59MP), Dan (S5UO) and the German PTT (BNetzA Konstanz)!

5. **Nostradamus left 14 MHz**

The Nostradamus radar left 14 MHz. Perhaps the system has been mistuned in June. Weak spurious emissions can be observed on 14000 from time to time, but only short bursts. Many thanks for assistance to the German PTT (BNetzA Konstanz) and the French PTT! – Please read “Successful Actions” on our homepage!

6. **3590 kHz usurpated by Spanish fishery**

3590 kHz was usurpated by Spanish fishery in USB and “CRY2001” vocoder daily, all day. Spanish fishermen are abusing our bands since many years. Talking to them is senseless, because the reactions are bold and obscene. It is necessary to use the disturbed QRGs by Ham-traffic.

7. **Italian beacons**

IZ3DVW on 7039.8 and 21145.760 kHz **NC** - I1YRB on 10139.5 kHz **C** – IW3ICH on 14097.3 kHz **NC** - IQ6FU on 24915 kHz **C** – IT9EJW on 28226.7 kHz **C** /// **NC = not coordinated** --- **C = coordinated with IARU Region 1**

8. **Homepage IARU Region 1**

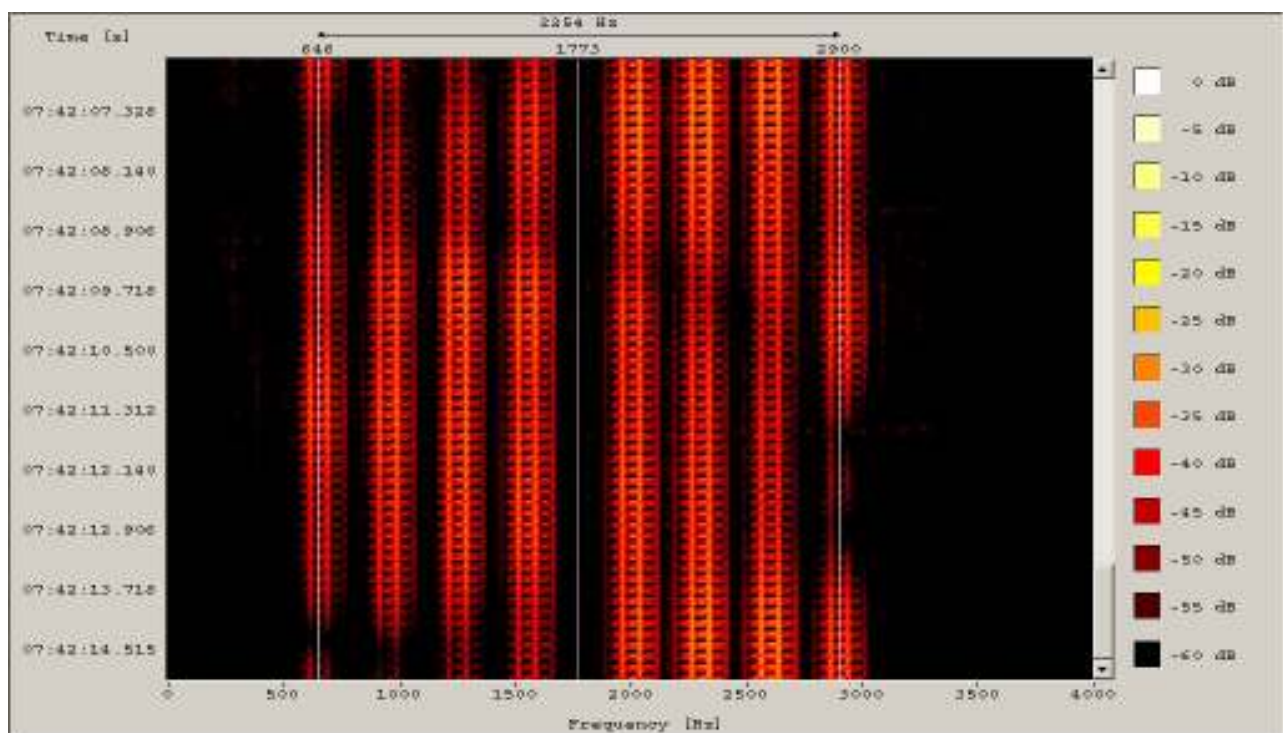
<http://www.iaru-r1.org/>

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/>

The Chinese system PRC4+4 on 14068.3 kHz – 8 x 75 Bd (FSK8) – shift 2250 Hz in idling condition – screenshot: DK2OM with Wavecom W61



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 REPORT FOR July, 2009

Propagation conditions were again generally poor on 40 meters, but one Somali intruder was heard on 20 meters (14211 kHz) – the first for a long time.

Otherwise there was no significant change in the pattern of African intruders, only rather fewer being heard. Heavy fighting in Somalia may have reduced their activity somewhat.

The Chinese Firedrake jammer was heard on 7130 kHz and the broadcast intruders between 7100 and 7200 kHz were active as usual.

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

ARSK – Kenya – 5Z4NU (Ted)

H'd by	kHz	UTC	DD	MM	ITU	Identity	MODE	Details
ARSK	6999.0	vt	dly	7	ETH?	UiPHONE	J3E	Amharic. Spreads into 40 m. band.
ARSK	6999.0	1301	13	7	EA?	UiPHONE.	J3Eu	Military.
ARSK	7009.0	0738	25	7	TZA?	UiPHONE	J3Eu	KiSwahili.
ARSK	7011.0	vt	*	7	SOM	UiPHONE	J3Eu	Somalis.*7,13,
ARSK	7017.0	0739	25	7	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7020.0	0746	20	7	ZAI	UiPHONE	J3Eu	French, vernacular.
ARSK	7022.0	vt	*	7	SOM	UiPHONE	J3Eu	Somalis. *13,23,25,
ARSK	7024.0	0939	15	7	SDN	UiPHONE	J3Eu	English, phonetics, vernacular. NGO?
ARSK	7025.0	vt	*	7	ZAI	UiPHONE	J3E	Vernacular, French.*13,25,
ARSK	7025.0	0833	20	7	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7027.0	0743	20	7	ZAI	uiPHONE	J3Eu	French.
ARSK	7027.0	vt	*	7	SOM	UiPHONE	J3Eu	Somalis.*20, 25,
ARSK	7028.0	0747	20	7	SOM	UiPHONE	J3Eu	Somalis. SelCal.
ARSK	7029.0	0558	23	7	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7032.0	1304	13	7	ZAI	UiPHONE	J3E	Vernacular.
ARSK	7045.0	vt	dly	7	SDN	MM, NE, NU, AA, AK, AJ, AL, AT, AO, DU, WL1, WL2, WL4, WL5, WL6, WL9, WL10, BR, WM, NU, MAJ, Ikola? Kabwe, Kalulu	J3E J3Eu	Vernacular, Dholuo? English, phonetics. SelCal. Sudan, NGO, SPLA or SNLA? Sends messages in phonetic five letter groups, probably a single-substitution cypher. Once heard sending five letter code groups, presumably encrypted message.
ARSK	7048.0	vt	dly	7	SDN	WA, S, T, SM, AU, PK, PS, AC, BC, B3, B7, B8, B9, B15, CC, Malakal, Yambio,	J3E	English, vernacular, verbal Morse. NGO or SPLA? Some Arabic heard.
ARSK	7048.0	0750	20	7	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7049.0	0741	25	7	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7050.0	0751	20	7	ETH?	UiPHONE	J3Eu	Amharic.
ARSK	7057.0	vt	*	7	SOM	UiPHONE	J3Eu	Somalis. *23,

H'd by	kHz	UTC	DD	MM	ITU	Identity	MODE	Details
ARSK	7058.0	vt	*	7	SOM	UiPHONE	J3Eu	Somalis.*15,21,
ARSK	7061.0	0926	21	7	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7062.0	0743	25	7	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7066.0	vt	*	7	SOM	UiPHONE	J3Eu	Somalis.*23,
ARSK	7072.0	1257	13	7	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7073.0	0556	23	7	SOM	UiPHONME	J3Eu	Somalis.
ARSK	7085.0	0736	25	7	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7092.0	vt	*	7	SOM	UiPHONE	J3Eu	Somalis.*15,20,21,
ARSK	7110.0	vt	dly	7	ETH	Addis Ababa	A3E	Domestic broadcast, Addis Ababa, Ethiopia
ARSK	7130.0	vt	*	7	CHN	UiBC	A3E	*14,25, Broadcast, Hainan Firedrake muic jammer on unidentified Chinese language, thought to be Voice of Hope, Taiwan.
ARSK	7131.0	0744	25	7	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7140.0	vt	*	7	SOM	UiPHONE	J3Eu	Somalis.*21,25,
ARSK	7145.0	vt	*	7	SOM	UiPHONE	J3Eu	Somalis.*21,25,
ARSK	7145.0	vt	dly	7	Rep. of SOM	Hargeisha	A3E	Broadcast. Rep. of Somalia, Hargeisha.
ARSK	7150.0	0732	25	7	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7153.0	0920	21	7	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7165.0	vt	dly	7	ETH	Addis Ababa	A3E	External broadcast. Addis Ababa, Ethiopia.
ARSK	7175.0	vt	dly	7	ERI	VOBM, Asmara	A3E	Broadcast, Voice of The Broad Masses, Eritrea. (From 7100 kHz.)
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	14211.0	0730	25	7	SOM	UiPHONE	J3Eu	Somalis.

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

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	REMARKS
DARC	3515,0	0637	21	07	J3E-U	F	UiILL	French fishery
DARC	3521,5	1822	28	07	J3E-U	UKR	UiILL	net in Ukrainian voice, also YAKHTA vocoder used
DARC	3528,0	1938	28	07	J3E-U	UKR	UiILL	net in Ukrainian voice, also YAKHTA vocoder used
DARC	3533,0	2038	28	07	J3E-U	UKR	UiILL	net in Ukrainian voice, also YAKHTA vocoder used
DARC	3535,0	2000	13	07	J3E-U	G	UiILL	UK fishery
DARC	3550,0	1932	01	07	J3E-U	HOL	UiILL	Dutch fishery
DARC	3550,0	0719	04	07	A3E	F	French Lis Amateurs	in AM
DARC	3550,0	0711	29	07	A3E	F	French Lis Amateurs	no AM allowed in this range!
DARC	3574,6	1948	27	07	J3E-U	RUS	UiILL	net in Russian voice, male persons
DARC	3587,5	1932	26	07	J3E-U		UiILL	unknown language, male persons
DARC	3590,0	2100	06	07	J3E-U	E	UiILL	Spanish fishery
DARC	3590,0	vt	vd	07	J3E-U	E	UiILL	Spanish fishery, also using CRY-2001 vocoder, heard 24 - 28 at 0708, 1735 - 1932
DARC	3595,0	2150	27	07	J3E-U	RUS	UiILL	net in Russian voice, male persons
DARC	7030,0	0849	20	07	J3E-U	RUS	UiILL	female net in Russian voice, no calls
DARC	7171,0	0930	31	07	J3E-U	G	UiILL	2 male persons, UK fishery
DARC	7184,0	0708	09	07	J3E-U		UiILL	unid pirates
DARC	10101,0	1846	10	07	J3E-U	MRC	UiILL	Moroccan fishery
DARC	10121,5	1835	15	07	J3E-U	E	UiILL	Spanish fishery
DARC	10125,0	vt	vd	07	J3E-U	F	French Lis Amateurs	who do not follow the IARU Band Plan, often heard
DARC	10128,0	1638	12	07	J3E-U	E	UiILL	Spanish fishery
DARC	10134,0	vt	vd	07	J3E-U	F	F6IGH	net of French Amateurs with F6IGH,

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	REMARKS
								heard 10 11 17 at 0936, 0932, 0947 - no respect of IARU BANDPLAN as no SSB in Band 10!
DARC	10141,7	0644	09	07	A3E	E	UiILL	2 Spanish male persons
DARC	14000,0	1720	12	07	J3E-U	E	UiILL	Spanish fishery
DARC	14000,0	1335	14	07	A3E	ISR	PCD2	female voice "Papa Charlie Delta Two", is Mossad
DARC	14000,0	1704	19	07	A3E	ISR	PCD2	female voice "Papa Charlie Delta Two", is Mossad
DARC	14000,0	1834	22	07	A3E	ISR	ULX2	female voice, is Mossad
DARC	14000,0	1803	23	07	A3E	ISR	EZI2	female voice, is Mossad
DARC	14000,0	vt	vd	07	J3E-U	S.As	UiILL	pirates poss. from CLN, heard 08 11 at 1412, 1045
DARC	14000,0	vt	vd	07	J3E-U	Caf	UiILL	African net, Tribal and French, heard 09 12 22 27 30 at 1429, 1803 - 1910
DARC	14000,0	vt	vd	07	J3E-U	MRC	UiILL	Moroccan fishery
DARC	14001,0	1503	20	07	J3E-L	CLN	UiILL	pirates in S.As language
DARC	14001,2	2018	02	07	J3E-U	CLN	UiILL	possibly Sri Lankan fishery
DARC	14001,2	1450	04	07	J3E-U	CLN	UiILL	possibly Sri Lankan fishery
DARC	14004,3	1624	16	07	J3E-U	CLN	UiILL	possibly Sri Lankan fishery
DARC	14006,5	1020	27	07	J3E-U	S.As	UiILL	possibly Sri Lankan fishery
DARC	18100,0	1033	05	07	J3E-U	E	UiILL	Spanish fishery
DARC	28000,0	1015	10	07	A3E	CIS	UiILL	CB-ers in Russian voice
DARC	28000,0	1543	17	07	A3E	F	UiILL	French CB-ers
DARC	28000,0	vt	vd	07	F3E	CIS	Taxi business	daily 28000 - 29700
DARC	28020,0	1043	10	07	A3E	CIS	UiILL	CB-ers in Russian voice
DARC	28020,0	1443	12	07	A3E	E	UiILL	Spanish CB-ers
DARC	28025,0	0923	08	07	A3E	E	UiILL	Spanish CB-ers
DARC	28035,0	1415	06	07	A3E	E	UiILL	Spanish CB-ers
DARC	28035,0	1040	08	07	A3E	E	UiILL	Spanish CB-ers
DARC	28055,0	vt	vd	07	A3E	E	UiILL	Spanish CB-ers heard 06 09 at 1430, 0712
DARC	28065,0	0634	09	07	A3E	E	UiILL	Spanish CB-ers
DARC	28105,0	0655	09	07	A3E	E	UiILL	Spanish CB-ers
DARC	28115,0	1030	08	07	A3E	E	UiILL	Spanish CB-ers
DARC	28155,0	0700	09	07	A3E	E	UiILL	Italian CB-ers
DARC	28205,0	1916	15	07	F3E	F	UiILL	French CB-ers
DARC	28225,0	1922	15	07	F3E	F	UiILL	French CB-ers
DARC	28275,0	1920	15	07	F3E	E	UiILL	Spanish CB-ers

DARC – Germany – Part 2 – DK2OM (Wolf) / Dj9KR (Ui)

PSE observe:

FSK transmissions -> center frequency between mark and space

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

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DARC	3512,0	1935	02	07	J7D	UKR	UiMUX			MPSK-12, AT-3004-D
DARC	3518,9	1744	01	07	G7D		UiMUX			Link-11 slew
DARC	3527,0	2140	27	07	F1B	CIS	UiPTR	50	200	unid printer
DARC	3533,0	1954	13	07	FSK8		UiMUX	125	1750	ALE
DARC	3550,0	0711	06	07	A3E	F	French Lis Amateurs			no BC but French lis Amateurs in AM, daily
DARC	3550,0	1928	10	07	J7D	UKR	UiMUX	120	2600	MPSK-12, AT-3004-D
DARC	3553,8	1944	01	07	G7D		UiMUX	2k4		Stanag-4285, 2k4, 8PSK, 600 bps long, ady, dly
DARC	3570,5	1949	16	07	F1B	RUS	UiPTR	81	250	
DARC	3585,0	1930	27	07	F1C	KOR	HLL			weather fax, 120 rpm, IOC576 - location South Korea - is legal!
DARC	3586,0	1953	01	07	BPSK	D	MUX	40	40	BPSK, location

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
										Ingolstadt, Germany
DARC	3591,0	vt	vd	07	FSK8		UiMUX	125	1750	Thales Skymaster
DARC	3603,0	1944	13	07	J7D	D	UiMUX	2000		RFSM-8000, 2000 Bd, 8PSK - location near Berlin, is legal!
DARC	3608,0	vt	vd	07	F1B		UiPTR	50	200	unid printer
DARC	3618,0	2150	24	07	G7B		UiMUX			frequency hopper
DARC	3756,0	2005	01	07	A3E	UKR	The Pip			10 tones, ady, dly
DARC	3799,0	2008	01	07	F1B	GEO	UiPTR	50	250	
DARC	5194,8	1853	20	07	G7D		UiMUX			station "DRA" disturbed by Stanag-4285 on 5194,8
DARC	7000,0	0615	04	07	G7B		UiMUX			frequency hopper
DARC	7000,0	1841	13	07	FSK8		UiMUX	125	1750	selcalls T1Z10
DARC	7001,0	1746	15	07	J7D	RUS	UiMUX	120	2600	MPSK-12, AT-3004-D
DARC	7001,0	2121	19	07	G7B		UiMUX			frequency hopper
DARC	7001,4	2335	30	07	8PSK		UiMUX			unid mux MIL188-110A, 2400 Bd, 8PSK - report DF1PH
DARC	7008,0	0634	21	07	G7B		UiMUX			frequency hopper
DARC	7008,0	vt	vd	07	F1B	RUS	UiPTR	75	250	printer heard 22 30 at 0726, 0535 - , RUS close to LVA border
DARC	7009,0	2037	15	07	A3E		UiBC			BC-IM
DARC	7010,0	0804	10	07	J7D	RUS	UiMUX	120	2600	MPSK-12, AT-3004-D
DARC	7010,0	0900	10	07	J7D	RUS	UiMUX			MPSK-12, AT-3004-D
DARC	7010,0	1508	24	07	FSK8		UiMUX	125	1750	ALE, selcalls CS002, RS009
DARC	7012,0	1442	31	07	J7D	RUS	UiMUX			MPSK-12, AT-3004-D
DARC	7016,0	0727	24	07	F1B	RUS	UiPTR	100	250	unid printer
DARC	7020,0	1514	08	07	A3E		UiBC			BC-IM
DARC	7020,0	0726	22	07	F1B	BLR	UiPTR	75	250	unid printer
DARC	7020,0	0656	24	07	F1B	RUS	UiPTR	50	250	unid printer
DARC	7020,0	0430	25	07	FSK8	MKD	UiMUX	125	1750	ALE, selcalls CS004A, RS0017D - is MKD MIL
DARC	7020,0	1918	29	07	J7D	RUS	UiMUX			MPSK-12, AT-3004-D
DARC	7027,5	vt	vd	07	A1A	UZB	beacon V			Tashkent? - heard 02 03 at 2148, 1924
DARC	7030,0	1509	08	07	N0N	M.Ea	UiMUX			multi carrier system, 500 Hz increments between carriers
DARC	7030,0	2038	15	07	G7B		UiMUX			frequency hopper
DARC	7030,0	vt	vd	07	A3E	BLR	Radio Belarus Minsk			BC-IM from 7210 x 7390, heard 02 - 20 at 1635 - 2130
DARC	7038,7	0933	01	07	A1A	UKR	beacon D			location Sevastopol, ady, dly
DARC	7038,9	1745	01	07	A1A	RUS	beacon S			Murmansk, ady, dly
DARC	7039,0	0933	01	07	G7B		UiMUX			frequency hopper
DARC	7039,0	1745	01	07	A1A	RUS	beacon C			Moscow, ady, dly
DARC	7039,1	0903	02	04	A1A	RUS	beacon A			location Astrakhan
DARC	7039,8	2000	02	07	A1A	I	IZ3DVW			beacon, not coordinated and (un-) necessary as a crop!
DARC	7045,0	2022	24	07	FSK8	CHN	UiMUX	75		PRC4+4 - PRC-PLA
DARC	7046,0	2016	24	07	G7B		UiMUX			frequency hopper
DARC	7050,0	0607	16	07	G7B		UiMUX			frequency hopper
DARC	7054,0	vt	vd	07	F1B	RUS	UiPTR	50	200	printer all month
DARC	7075,0	1545	24	07	J7D	GEO	UiMUX	120	2600	MPSK-12, AT-3004-D
DARC	7076,0	0537	30	07	F1B	RUS	UiPTR	75	250	unid printer
DARC	7077,6	0903	05	07	F1B	RUS	UiPTR	41	1000	system FROST-1
DARC	7080,0	vt	vd	07	F1B	POL	UiPTR	50	200	
DARC	7085,0	2114	30	07	G7B		UiMUX			frequency hopper
DARC	7088,0	vt	vd	07	F1B	N.Eu	UiPTR	75	200	
DARC	7089,0	1247	06	07	G7B		UiMUX			frequency hopper

CLUB	KHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DARC	7089,8	vt	vd	07	F1C	UKR	Weather Fax			WX-Fax, 60 rpm, OIC-576, location Sevastopol - 25 reports all month, heard 1240 and 1340
DARC	7092,0	0737	25	07	G7B		UiMUX			frequency hopper
DARC	7093,0	0844	07	07	F1B	RUS	UiPTR	100	140	unid printer
DARC	7093,0	vt	vd	07	F1B	RUS	UiPTR	100	140	unid printer heard 03 10 11 at 0804, 1335, 0817
DARC	7097,0	0934	01	07	J7D	CIS	UiMUX			MPSK-12, AT-3004-D
DARC	7098,0	0904	05	07	F1B	CIS	UiPTR	41	250	unid printer
DARC	7100,0	1624	31	07	A3E	KRE	Voice of Korea (North)			S0-signal
DARC	7105,0	2026	02	07	A3E		UiBC			carrier, S1
DARC	7105,0	2050	03	07	A3E		UiBC			carrier, S0
DARC	7105,0	2028	04	07	A3E	TWN	CBS			S6-signal
DARC	7105,0	2103	04	07	A3E		UiBC			S2-signal
DARC	7105,0	2022	05	07	A3E		UiBC			Arabic px S7
DARC	7105,0	2024	09	07	A3E		UiBC			Ar px, S8
DARC	7105,0	1828	19	07	A3E		UiBC			S9+25dB
DARC	7105,0	1932	22	07	A3E	CHN	R. China Nei Menggu PBS			S5-signal
DARC	7109,0	0617	04	07	G7B		UiMUX			frequency hopper
DARC	7109,2	0659	25	07	F1B	RUS	UiPTR	75	250	unid printer
DARC	7110,0	1932	22	07	A3E	ETH	Radio Ethiopia			HOA music, S9+10dB-signal
DARC	7110,0	0607	23	07	A3E	ETH	Radio Ethiopia			S3-signal
DARC	7110,0	1738	27	07	A3E		UiBC			2 different px, F.Ea voice, S9+30dB
DARC	7110,0	0322	30	07	A3E		UiBC			music, S9+10dB
DARC	7110,0	vt	vd	07	A3E	ETH	Radio Ethiopia			sked: 00.00 - 21.12 and 23.00 - 24.00, px found // to 9705, daily active
DARC	7111,0	0659	25	07	F1B	RUS	UiPTR	75	250	unid printer
DARC	7111,9	2127	15	07	FSK8		UiMUX	125	1750	ALE, selcall T2Z238
DARC	7112,0	0618	04	07	F1B		UiPTR		400	reversals
DARC	7113,0	0522	04	07	F1B		UiPTR			fast reversals
DARC	7114,0	0934	27	07	A1A	RUS	RFH77, RMP			"VVV RFH77 RFH 77 de RMP RMP ZZD...", S8
DARC	7121,0	0810	21	07	G7B		UiMUX			frequency hopper
DARC	7122,0	1044	11	07	F1B		UiPTR	50	200	unid printer
DARC	7122,0	0939	27	07	F1B		UiPTR		200	unid printer, fast reversals, S5
DARC	7122,0	vt	vd	07	F1B	RUS	RDL	50	200	RUS
DARC	7125,0	0728	15	07	XXX	GUI	Radio Conakry			multiplex
DARC	7125,0	0757	15	07	J7D	RUS	UiMUX	120	2600	MPSK-12, AT-.3004-D
DARC	7125,0	1917	20	07	A3E	GUI	Radio Conakry			S9-signal, s/off at 1925
DARC	7125,0	1711	21	07	A3E	GUI	Radio Conakry			carrier S7
DARC	7125,0	2005	21	07	A3E	GUI	Radio Conakry			Fr px, weak modulation, S9+10dB
DARC	7125,0	1213	22	07	JAM		JAM			white noise with hum, S8
DARC	7125,0	1932	22	07	A3E		UiBC			S0-signal
DARC	7129,0	1018	01	07	G7B		UiMUX			frequency hopper
DARC	7130,0	1600	15	07	A3E		UiBC			music
DARC	7130,0	1637	16	07	A3E		UiBC			music, male and female speaker
DARC	7130,0	1602	17	07	A3E		UiBC			S7-signal
DARC	7130,0	1556	19	07	A3E	CHN	CNR-1 /			2 px, one is // 7185, S8-

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
						/ TWN	CBS			signal
DARC	7130,0	1610	21	07	A3E	CHN	CNR-1			S6, found // 7185
DARC	7130,0	1711	21	07	A3E	CHN / TWN	CNR-1 / CBS			2 Chinese px, one is // 7185, S9+10dB-signal
DARC	7130,0	1544	22	07	A3E	CHN / TWN	CNR-1 / CBS			2 px observed, S6
DARC	7130,0	1640	22	07	A3E	CHN / TWN	CNR-1 / CBS			2 different Chinese px, S9
DARC	7130,0	vt	23	06	A3E	TWN	Radio Taiwan International			heard 1400 - 1800, found // 6145, 7185, 9680, location Area of Kouhu - BNetzA KON
DARC	7130,0	1800	24	07	A3E		UiBC			Chinese px, S6
DARC	7130,0	1624	31	07	A3E	TWN	CBS			1 Chinese px S9-signal
DARC	7130,0	1200	dly	07	A3E	MLA	RTM Sarawak			heard 1200 onwards, // 5030 - report VU2UR
DARC	7131,0	0937	18	07	A1A		UiCW			encrypted
DARC	7133,0	1850	14	07	J7D	EST	UiMUX	120	2600	MPSK-12, AT-.3004-D
DARC	7135,0	1535	13	07	A3E		UiBC			unid language, music, S9+20dB
DARC	7135,0	1605	14	07	JAM		JAM			jammer 20 kHz spread
DARC	7135,0	1609	14	07	A3E	BLR	R. Belarus			S9-signal
DARC	7135,0	1932	22	07	A3E	BLR	R. Belarus			carrier, S8
DARC	7135,0	1242	23	07	F1B		UiPTR			unid printer
DARC	7135,0	1624	31	07	A3E	BLR	R. Belarus			S0-signal
DARC	7135,1	1237	23	07	F1B		UiPTR	50	250	unid printer, now S9+20dB
DARC	7140,0	1828	19	07	A3E		UiBC			2 px, S3-signal
DARC	7140,0	202	20	07	FSK8		UiMUX	125	1750	ALE, selcall 1101
DARC	7140,0	1936	29	07	G7B		UiMUX			frequency hopper
DARC	7140,8	1547	02	07	XXX		UiMUX			audio tone buzzer
DARC	7144,0	2045	02	07	A1A		UiCW			5L groups
DARC	7145,0	1547	31	07	N0N	SOM	R. Hargeisa			carrier S9
DARC	7145,0	1624	31	07	A3E	SOM	R. Hargeisa			HOA music, S8
DARC	7151,0	0806	28	07	J7D	RUS	UiMUX	120	2600	MPSK-12, AT-3004-D
DARC	7162,0	0700	25	07	F1B	RUS	UiPTR	75	250	unid printer
DARC	7164,1	1158	07	07	F1B		UiPTR		220	fast reversals, S9+
DARC	7165,0	1427	02	07	A3E	E.Af	UiBC			HOA music, S9-signal
DARC	7165,0	1543	02	07	A3E	ETH / ERI	R.Ethiopia / VOBM			2 px observed, S9, one px is Arabic
DARC	7165,0	1630	02	07	A3E	CHN / TWN	CNR1 / CBS			2 px
DARC	7165,0	1511	03	07	A3E		UiBC			S9-signal
DARC	7165,0	0522	04	07	A3E	ETH	ETH-JAM			rushing noise
DARC	7165,0	1600	04	06	A3E	ETH	R.Ethiopia			
DARC	7165,0	1607	04	06	A3E	ETH	ETH-JAM			noise S9+20dB, 10 kHz spread, s/on
DARC	7165,0	1737	04	07	JAM	ETH	ETH-JAM			white noise to jam VoBM
DARC	7165,0	1201	07	07	A3E		UiBC			Arabic voice (?), S9+20dB

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DARC	7165,0	1732	08	07	A3E	ETH	R.Ethiopia			Fr px S9+20dB
DARC	7165,0	1531	13	07	A3E		UiBC			F.Ea voice, S9+20dB
DARC	7165,0	1604	14	07	JAM	ETH	ETH-JAM			jammer tx-ing white noise
DARC	7165,0	1609	14	07	A3E	ETH	ETH-JAM			rushing noise S9+15dB
DARC	7165,0	1610	14	07	A3E	ERI	VOBM			rushing noise has gone, music audible
DARC	7165,0	1623	14	07	A3E		UiBC			Ar and another px S9+10dB
DARC	7165,0	1523	15	07	A3E		UiBC			unid language, music, S9+20dB
DARC	7165,0	vt	15	07	A3E	ETH	R. Ethiopia			heard 1445 - 1502
DARC	7165,0	1559	17	07	A3E	E.Af	UiBC			S9-signal
DARC	7165,0	1556	19	07	A3E	E.Af	UiBC			S8-signal
DARC	7165,0	1606	19	07	A3E	ETH	Ethiopian Government			white noise 10 kHz spread S9
DARC	7165,0	1711	21	07	A3E	ETH	Ethiopian Government			white noise 10 kHz spread S9+20dB, weak BC audible below noise
DARC	7165,0	1209	22	07	A3E		UiBC			Ar (?) voice, S9
DARC	7165,0	1248	22	07	A3E		UiBC			S1-signal
DARC	7165,0	1544	22	07	A3E		UiBC			S7-signal
DARC	7165,0	1800	24	07	A3E	E.Af	UiBC			HOA music S9+10dB
DARC	7165,0	1734	27	07	A3E		Radio Ethiopia			French voice S9+20dB
DARC	7165,0	1546	31	07	A3E		UiBC			unid voice, music, S9+20dB
DARC	7165,0	1624	31	07	A3E	ETH	Radio Ethiopia			En news, Indian accent, S9+10dB-signal
DARC	7165,0	0300	vd	07	A3E	ERI	VoBM			heard 28 31, strong signal with HOA music. - report Don Jensen, USA
DARC	7165,0	0359	vd	07	A3E		Voice of Peace and Democracy			heard 29 31, strong signal. On some off nights VOBM chooses to pirate this QRG - report Don Jensen, USA
DARC	7166,0	vt	vd	07	A1A		UiCW			encrypted CW, letters and figures
DARC	7167,0	0701	25	07	F1B	RUS	UiPTR	50	250	unid printer
DARC	7170,0	1623	30	07	A3E		UiBC			px found // 7175, S9+20dB
DARC	7171,0	0731	15	07	XXX		UiMUX			multiplex
DARC	7175,0	1630	02	07	A3E	CHN	Xizang PBS			Chinese px, S8
DARC	7175,0	1511	03	07	A3E	ERI	VOBM			HOA music, S8
DARC	7175,0	1600	03	07	A3E	ETH	ETH-JAM			noise s/on S9+10dB, 10 kHz spread
DARC	7175,0	1605	03	07	A3E	ETH	ETH-JAM			noise has gone
DARC	7175,0	0630	04	07	A3E		UiBC			S6-signal
DARC	7175,0	1729	06	07	JAM	ETH	ETH-JAM			ETH jamming ERI BC with white noise, 9 kHz spread
DARC	7175,0	0556	08	07	A3E	ERI	VOBM			HOA music, S9
DARC	7175,0	0728	09	07	A3E	E.Af	UiBC			S4-signal
DARC	7175,0	1510	12	07	A3E	ERI / ETH	VOBM / R.			S6-signal

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
							Ethiopia			
DARC	7175,0	1530	13	07	A3E		UiBC			Ar (?) voice, S9+20dB
DARC	7175,0	1609	14	07	A3E		UiBC			S9+10dB-signal
DARC	7175,0	1521	15	07	A3E		UiBC			Ar (?) voice, S9
DARC	7175,0	1614	15	07	A3E		VOBM / R. Ethiopia			music, voice - jammer
DARC	7175,0	1604	17	07	A3E	ETH	Ethiopian Government			white noise 10 kHz spread, S9
DARC	7175,0	1556	19	07	A3E	E.Af	UiBC			S6-signal
DARC	7175,0	1827	19	07	A3E	E.Af	UiBC			Ar music S9+20dB
DARC	7175,0	1917	20	07	A3E	E.Af	UiBC			Ar music S9
DARC	7175,0	0745	21	07	A3E	E.Af	VOBM / R. Ethiopia			Ar px S6
DARC	7177,0	0105	07	07	XXX		UiMUX			ui multiplex
DARC	7180,0	1423	04	07	JAM	ETH	ETH-JAM			rushing noise 10 kHz spread, S9++
DARC	7185,0	1520	15	07	A3E		CNR-1 / CBS			2 different Chinese px, S9+10dB
DARC	7185,0	vt	23	06	A3E	TWN	R. Taiwan International			heard 1300 - 1800, found // 6145, 7130, 9680, location Area of Kouhu - BNetZA KON
DARC	7185,0	0736	24	07	XXX		UiMUX			multiplex
DARC	7185,0	1621	30	07	A3E		CNR-1 / CBS			2 px at the same time, F.Ea voice and music, S9+20dB
DARC	7185,0	1443	31	07	A3E	CHN	CNR-1			Chinese music, S4
DARC	7185,0	1544	31	07	A3E		UiBC			Chinese (?) voice, S9+20dB
DARC	7185,0	1624	31	07	A3E	CHN	CNR-1			Chinese px, found // 7130, S9+5dB
DARC	7185,5	0704	09	07	F1B		UiPTR	100	140	unid printer
DARC	7186,0	0741	13	07	J7D	RUS	UiMUX			MPSK-12, AT-3004-D
DARC	7186,0	0728	24	07	J7D	RUS	UiMUX	120	2600	MPSK-12, AT-3004-D
DARC	7188,0	0659	08	07	F1B	RUS	UiPTR	76	250	idling, location Moscow
DARC	7190,0	0109	15	07	A3E		UiBC			F.Ea music S9+20dB
DARC	7190,1	0102	07	07	A3E	CLN	SLBC Colombo			Indian film music, S9+10dB-signal
DARC	7200,0	0642	08	07	A3E	SDN	Radio Omdurman			Arabic px S9+15dB
DARC	7200,0	1302	08	07	A3E		UiBC			S0-signal
DARC	7200,0	1503	08	07	A3E		UiBC			Arabic px S9+15dB
DARC	7200,0	0642	09	07	A3E	SDN	Radio Omdurman			S6-signal
DARC	7200,0	1905	13	07	A3E	IRN	VOIRI			1905: S9+10dB
DARC	7200,0	1630	14	07	A3E	SDN	Radio Omdurman			Arabic px s/on
DARC	7200,0	1519	15	07	A3E		UiBC			music and spoken word, S8
DARC	7200,0	1626	21	07	A3E		UiBC			carrier S8
DARC	7200,0	1711	21	07	A3E	IRN	IRIB			Farsi px S9+10dB
DARC	7200,0	2005	21	07	A3E	SDN	Radio Omdurman			Arabic px S9+10dB
DARC	7200,0	1206	22	07	A3E		UiBC			Ar (?) voice, S8
DARC	7200,0	1640	22	07	A3E	SDN	Radio Omdurman			Arabic px S7

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
							an			
DARC	7200,0	1800	24	07	A3E		UiBC			S9+15dB
DARC	7200,0	0215	26	05	A3E	BRM	R. Myanmar			R. Myanmar going beyond - report VU2UR
DARC	7200,0	vt	26	05	A3E	IND	AIR Kolkata			wrong frequency punched - report VU2UR
DARC	7200,0	1732	27	07	A3E		UiBC			Ar (?) voice, music, S9+
DARC	7200,0	0733	29	07	A3E	SDN	Radio Omdurm an			HOA music S5-7
DARC	7200,0	1345	29	07	A3E		UiBC			Ar (?) voice, songs, S5
DARC	7200,0	0324	30	07	A3E		UiBC			Ar (?), F.Ea music, S9+
DARC	7200,0	1620	30	07	A3E		UiBC			carrier S9+10dB
DARC	7200,0	1630	30	07	A3E	IRN	IRIB			unid voice, Al-Quran recitals, S9+
DARC	7200,0	1627	31	07	A3E	IRN	IRIB			jingle with piano music, s/on program, S9+10dB
DARC	7200,0	0320	vd	07	A3E	SDN	Radio Omdurm an			heard 23 - 31, solid signals. 0320 tune by. Report Don Jensen, USA
DARC	7205,0	1615	30	07	A3E	ROU	Voice of Romania Interntl.			harmful splatters down till 7195 kHz (rx of BCL using 15 kHz roofing filter)
DARC	10100,8	0738	24	07	F1B	D	DKE	50	450	German weather - legal
DARC	10108,0	1611	19	07	A3E		UiBC			totally chirpy signal, S9
DARC	10112,0	1030	01	07	G7D	TUR	UiMUX	2k4		Stanag-4285, 2k4, 8PSK
DARC	10114,7	0613	01	07	F1B	RUS	UiPTR	96	1000	CIS-14
DARC	10115,3	0644	09	07	F1B		UiPTR			unid printer
DARC	10118,0	1638	20	07	F1B	RUS	UiPTR	50	250	unid printer
DARC	10118,0	1926	22	07	F1B	RUS	UiPTR	100	250	idling
DARC	10118,0	1052	29	07	F1B	RUS	UiPTR	75	250	unid printer
DARC	10120,0	vt	vd	07	J7D	RUS	UiMUX	120	2600	MPSK-12, AT-3004-D, heard 10 - 15 at 1330, 1018, 0915, 0933
DARC	10130,0	0718	02	07	F1B	USA	UiPTR	50	1000	location USA
DARC	10130,0	1919	09	07	FSK8		UiMUX	125	1750	FSK8, 8 x 125 Bd, 1750 Hz shift, system Thales Skymaster
DARC	10130,0	0912	14	07	F1B	RUS	UiPTR	44	500	unid printer
DARC	10130,0	vt	vd	07	G7B		UiMUX			frequency hopper heard 02 03 at 0719, 1914
DARC	10133,0	0946	10	07	J7D	RUS	UiMUX			MPSK-12, AT-3004-D
DARC	10133,0	1045	24	06	A1A		UiCW			5L groups
DARC	10134,0	0738	24	07	XXX		UiMUX			multiplex
DARC	10135,0	1918	07	07	P0N	G / CYP	British OTH-Radar Cyprus			50 pps
DARC	10135,0	0758	23	07	F1B	RUS	UiPTR	81	250	unid printer
DARC	10136,0	vt	vd	07	F1B	CIS	UiPTR	50	200	unid printer heard 19 21 28 at 1530, 1532, 2008
DARC	10137,0	0644	09	07	N0N		UiCAR			long lasting carrier
DARC	10137,0	1244	22	07	J7D	POL	UiMUX	120	2600	MPSK-12, AT-3004-D
DARC	10137,2	1339	18	07	A1A	I	IK3NWX/BEACON			beacon
DARC	10140,0	1843	10	07	P0N	G / CYP	British OTH-Radar Cyprus			50 pps
DARC	10140,0	1919	24	07	G7B		UiMUX			frequency hopper
DARC	10141,0	2053	21	07	G7B		UiMUX			frequency hopper
DARC	10142,0	0643	16	07	XXX		UiMUX			humming noise
DARC	10144,0	0804	10	07	XXX		UiMUX			multiplex

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DARC	10144,0	1339	18	07	A1A	D	DK0WCY / BEACON			beacon
DARC	10145,0	0610	23	07	J7D	RUS	UiMUX			MPSK-12, AT-3004-D
DARC	10145,0	1934	28	07	P0N	G / CYP	British OTH-Radar Cyprus			50 pps
DARC	10145,0	1857	29	07	J7D	RUS	UiMUX			MPSK-12, AT-3004-D
DARC	10146,0	2245	28	07	P0N	G / CYP	OTH-Radar Cyprus			reported by DF1PH
DARC	13970,0	1519	08	07	JAM	CHN	Hainan Firedrake Jammer			Chinese music, is active - just info!
DARC	13985,0	0721	19	07	P0N	G / CYP	British OTH-Radar Cyprus			is active, harmful splatters
DARC	14000,0	1335	14	07	A3E	ISR	PCD2			female voice "Papa Charlie Delta Two", is Mossad
DARC	14000,0	1115	16	07	FSK8		UiMUX	125	1750	ALE, selcall WNG777
DARC	14000,0	1658	19	07	N0N	ISR	PCD2			carrier belonging to "PCD2"
DARC	14000,0	1704	19	07	A3E	ISR	PCD2			female voice "Papa Charlie Delta", is Mossad
DARC	14000,0	1802	19	07	P0N	F	French OTH-Radar			spurious from French OTH-Radar "Nostradamus", found fundamental on 13690 kHz, 33,3 pps - 150 kHz spread
DARC	14000,0	1020	20	07	N0N	ISR	UiCAR			long lasting carrier (exact QRG is 14000,028 kHz)
DARC	14000,0	1834	22	07	A3E	ISR	ULX			female spelling, is Mossad
DARC	14000,0	1803	23	07	A3E	ISR	EZI2			female spelling, is Mossad
DARC	14004,5	1624	21	07	G7D		UiMUX	62.5		CLOVER-2000, 8 x 62,5 Bd, direction 210 degs. from DL
DARC	14008,0	vt	vd	07	F1B	RUS	UiPTR	50	250	printer heard 01 19 22 at 1006, 1336, 0727
DARC	14015,0	0918	13	07	G7B		UiMUX			frequency hopper
DARC	14020,0	1545	17	07	A3E		UiBC			BC-IM
DARC	14026,0	vt	vd	07	J7D	RUS	UiMUX			MPSK-12, AT-3004-D
DARC	14028,0	1917	22	07	G7B		UiMUX			frequency hopper
DARC	14040,7	0642	06	07	F1B		UiPTR	75	250	unid printer
DARC	14048,0	1250	23	07	J7D		UiMUX			MPSK-12, AT-3004-D
DARC	14060,0	1545	17	07	A3E		UiBC			BC-IM
DARC	14060,0	0640	20	07	J7D	RUS	UiMUX	120	2600	MPSK-12, AT-3004-D
DARC	14068,3	1457	19	07	FSK8	CHN	UiMUX	75		PRC4+4, 8 x 75 Bd-FSK8, idling - PRC-PLA
DARC	14071,0	2204	22	07	G7B		UiMUX			frequency hopper
DARC	14071,0	0834	30	07	J7D	LTU	UiMUX			MPSK-12, AT-3004-D
DARC	14081,1	1145	16	07	F1B		UiPTR		250	unid printer, S9+20dB
DARC	14091,0	vt	vd	07	J7D	BLR	UiMUX			MPSK-12, AT-3004-D
DARC	14097,3	0806	17	07	A1A	I	IW3ICH			not coordinated beacon, (un-) necessary as a crop
DARC	14100,0	1050	11	07	A1A		UiCW			unid CW "ZAPOWESA 8023 0886 54101 ..."
DARC	14110,0	0934		07	F1B	RUS	UiPTR	75	250	unid printer
DARC	14110,0	vt	vd	07	F1B	RUS	UiPTR	75	250	unid printer
DARC	14112,0	vt	vd	07	J7D	RUS	UiMUX			MPSK-12, AT-.3004-D

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DARC	14116,0	1009	01	07	F1B	RUS	UiPTR	100	250	unid printer
DARC	14116,0	0705	25	07	F1B	LTU	UiPTR	50	250	unid printer
DARC	14118,5	1250	23	07	XXX		UiMUX			multiplex S9+10dB
DARC	14122,0	vt	vd	07	J7D	RUS	UiMUX			MPSK-12, AT3004-D
DARC	14137,0	1543	22	07	G7B		UiMUX			frequency hopper
DARC	14143,0	vt	vd	07	J7D	RUS	UiMUX	120	2600	MPSK-12, AT-.3004-D, QPSK - heard 08 - 16 at various times between 0405 - 1518, 9 reports
DARC	14160,0	0659	23	07	F1B	RUS	UiPTR	75	250	unid printer
DARC	14192,0	vt	vd	07	F1B	RUS	UiPTR	50	500	is RUS Navy
DARC	14202,0	vt	vd	07	F1B	GRC	UiPTR	100	850	printer MIL-M-55529-A
DARC	14206,0	1012	01	07	J7D	RUS	UiMUX			MPSK-12, AT-3004-D
DARC	14292,0	0543	30	07	A1A		UiCW			encrypted morse, 5L groups
DARC	14295,1	1424	23	07	A3E	TJK	R.Tajikistan			3f de 4765 kHz, daily
DARC	14328,4	vt	vd	07	F1B	LBY	KRE Emba Libya	600	600	DPRK-FSK600, heard all month with 25 reports, 1614 - 1630 always
DARC	14333,0	1423	23	07	F1B		UiPTR			unid printer
DARC	20970,0	0945	01	07	P0N		Ui-OTH-Radar			harmful splatters up into CW-section
DARC	21000,0	1120	20	07	G7B		UiMUX			frequency hopper
DARC	21170,0	0643	16	07	XXX		UiMUX			humming noise
DARC	21200,0	1348	18	07	P0N	G / CYP	British OTH-Radar Cyprus			is active
DARC	24910,0	vt	vd	05	P0N	HRV	Codar HF-Radar			stretching 24850 - 24950 kHz, location Island of Pag, Dalmatian Coast, Croatia - heard 17 19 at 1354, 0838 during Sporadic-E condx
DARC	24940,0	0840	03	07	P0N	HRV	OTH-Radar			rattling pulses 24940 - 25050 kHz
DARC	28000,0	0746	09	07	G7B		UiMUX			frequency hopper
DARC	28182,6	1325	18	07	A1A	GRC	SC3AQR / B			beacon
DARC	28210,7	1325	18	07	A1A		LA4TEN / BEACON			beacon
DARC	28217,7	1542	17	07	A1A	I	IQ1SP / B			ARI La Spezia - un-coordinated beacon and as necessary as a crop
DARC	28226,6	1325	18	07	A1A	I	IT9EJW / B			beacon
DARC	28227,1	1542	17	07	A1A	I	IW3FZQ / B			OP Enrico Franceschi, Rovigo - un-coordinated beacon and as necessary as a crop
DARC	28242,5	1542	17	07	A1A	I	IZ8DXB / B			OP Maurizio Minatore, Naples - un-coordinated beacon and as necessary as a crop
DARC	28262,6	1325	18	07	A1A	E	EA4Q			beacon
DARC	28295,5	1542	17	07	A1A	I	IZ0CW W / B			OP Francesco Marino, Cervaro - un-coordinated beacon and as necessary as a crop
DARC	29560,0	1919	04	07	A3E		UiBC			German language program, 4th harmonic of 7390

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DARC	29684,8	1820	vd	07	Serial Modem	I	UiMUX			Serial Modem heard bcos Sporadic-E: 16 - 31 - location Italian MIL Brescia
DARC	29699,8	1820	vd	07	Serial Modem	I	UiMUX			Serial Modem heard bcos Sporadic-E: 16 - 31 - location Italian MIL Brescia

IRTS – Ireland – EI4GXB (Ger)

MRASZ – Hungary - HA7PL (Laci)

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	DETAILS
MRASZ	7000,0	0-24	DLY	07	FSK8	USA	ALE	125	1750	USAF net T1210
MRASZ	7005,0	VT	VD	07	FSK8 (ALE)	HNG	UiMUX	125	1750	HUNGARIAN ARMY NET
MRASZ	7010,0	VT	VD	07	FSK8 (ALE)	Ui	UiMUX	125	1750	CS - RS net
MRASZ	7020,0	VT	VD	07	FSK8 (ALE)	Ui	UiMUX	125	1750	CS - RS net
MRASZ	7041,0	VT	VD	07	FSK8 (ALE)	G	UiMUX	125	1750	UK FOREST MOORE TASCComm HF HQ. NEW INTRUDER USES ANOTHER FREQUENCY. XSS CALLSIGN
MRASZ	7045,0	VT	VD	07	FSK8 (ALE)	Ui	UiMUX	125	1750	4 FIGURES NET
MRASZ	7050,0	VT	VD	07	FSK8 (ALE)	HNG	UiMUX	125	1750	HUNGARIAN ARMY NET
MRASZ	7060,0	VT	VD	07	FSK8 (ALE)	Ui	UiMUX	125	1750	SKH-KFT UNID NET
MRASZ	7070,0	VT	VD	07	FSK8 (ALE)	G	UiMUX	125	1750	244-288 MODERATE TRAFFIC POSSIBLE GEORGIAN NETWORK.
MRASZ	7072,0	VT	VD	07	FSK8 (ALE)	HNG	UiMUX	125	1750	HUNGARIAN ARMY NET
MRASZ	7070,0	VT	VD	07	FSK8 (ALE)	GEO	UiMUX	125	1750	UK FOREST MOORE TASCComm HF HQ. NEW INTRUDER USES ANOTHER FREQUENCY. XSS CALLSIGN
MRASZ	7080,0	VT	VD	07	FSK8 (ALE)	G	UiMUX	125	1750	ALBANIAN MoPO. 5810 SOUNDING
MRASZ	7081,0	VT	VD	07	FSK8 (ALE)	ALB	UiMUX	125	1750	UK FOREST MOORE TASCComm HF HQ. NEW INTRUDER USES ANOTHER FREQUENCY. XSS CALLSIGN
MRASZ	7087,0	VT	VD	07	FSK8 (ALE)	HNG	UiMUX	125	1750	HUNGARIAN ARMY NET
MRASZ	7092,0	0-24	DLY	07	FSK8 (ALE)	TUR	UiMUX	125	1750	4001 NET LOTS OF CALLSIGNS:
MRASZ	7097,0	VT	VD	07	FSK8 (ALE)	HNG	UiMUX	125	1750	HUNGARIAN ARMY NET
MRASZ	7105,0	VT	VD	07	FSK8 (ALE)	POL	UiMUX	125	1750	IGIELI - WATFORD87 POLISH ARMY
MRASZ	7116,0	VT	VD	07	FSK8 (ALE)	Ui	UiMUX	125	1750	1101 NET AGAIN. LOTS OF STATIONS. UZBEKH MAYBE (KAMAR98).

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	DETAILS
MRASZ	7141,0	VT	VD	07	FSK8 (ALE)	Ui	UiMUX	125	1750	7801 SOUNDED. UNID.
MRASZ	7149,0	VT	VD	07	FSK8 (ALE)	ALB	UiMUX	125	1750	ALBANIAN MoPO. 5810 SOUNDING
MRASZ	7150,0	VT	VD	07	FSK8 (ALE)	MDN	UiMUX	125	1750	MOLDOVAN MILITARY NET: CODRU STATIONS AS FOLLOWS: ACORD, AUTOGRAF, AZURIU, BG99, GRANIT, IZVOR, BALZAM, VITEAZ. ROMANIAN LANGUAGE PHONE PATCHES AND VOICE SCRAMBLER.
MRASZ	7165,0	VT	VD	07	FSK8 (ALE)	Ui	UiMUX	125	1750	UNID 630 CALLED 722, 415, 580 ALSO OCCURED.
MRASZ	7197,0	VT	VD	07	FSK8 (ALE)	Ui	UiMUX	125	1750	Red Crescent TURKEY 4 FIGURES NET. CALLSIGNS: 3031, 3061, 3015, 3551, 3161, 3251, 3261, 3351, 3421, 3551, 3061, 3771, 4061, 8161, 8541, 8551, 9857, 3651, 9850.
MRASZ	7197,0	VT	VD	07	FSK8 (ALE)	Ui	UiMUX	125	1750	1234 - 3421 UNID NET
MRASZ	7200,0	VT	VD	07	FSK8 (ALE)	Ui	UiMUX	125	1750	NEW INTRUDER UNID ARABIC LSB NET 1002 CALLED 1006, 3060, 2060, 3070.
MRASZ	14000,0	VT	VD	07	FSK8 (ALE)	G	UiMUX	125	1750	CROSPR Croughton Secret Internet Protocol Router
MRASZ	14001,0	VT	VD	07	FSK8 (ALE)	G	UiMUX	125	1750	CROSPR Croughton Secret Internet Protocol Router

OEVSV – Austria – OE3DMA (Alex)

REP – Portugal – CT4AN (Jose Francisco)

SOC	KHz	UTC	DD	MM	ITU	IDENT	MODE	DETAILS
REP	3550,0	05.00	08	07	F		A3E	French Amateurs DAILY INFRINGE IARU BAND PLAN
REP	3569,0	00.30	11	07	RUS	P	A1A	Beacon DLY from 0030Z
REP	3575,0	05.50	12	07	F		A3E	French Amateurs - all Sunday morning INFRINGE IARU BAND PLAN
REP	7038,6	06.40	04	07	RUS	S	A1A	MURMANSK, ADY, DLY 3.1uV S5
REP	7038,6	09.22	30	07	RUS	S	A1A	MURMANSK, ADY, DLY 3.1uV S5
REP	7038,7	03.16	11	07	UKR	D	A1A	SEVASTOPOL, ADY, DLY 0.2uV S1
REP	7038,7	07.11	13	07	UKR	D	A1A	SEVASTOPOL, ADY, DLY 25uV S8
REP	7039,0	21.28	13	07	I	K IZ3DVW	A1A	Beacon out of IARU Recommendations
REP	7039,0	07.22	13	07	RUS	C	A1A	MOSCOW, ADY, DLY 6.3uV S6
REP	7039,1	22.34	16	07	RUS	A	A1A	VOLGOGRAD, ADY, DLY 6.3uV S6
REP	7039,1	19.57	07	07	RUS	A	A1A	VOLGOGRAD, ADY, DLY 3.1uV S5
REP	7039,5	08.05	28	07	I	K IZ3DVW	A1A	MONSELICE Beacon out of IARU Recommendations 3.1uV S5
REP	7105,0	23.30	5	07	CHN		8k00 A3EGN	R.China International in chinese - until 01.00 Z
REP	7105,0	22.45	5	07	TWN		8k00 A3EGN	Sound of Hope - English lang. / every Sunday
REP	7105,0	23.30	18	07	CHN		8k00 A3EGN	Radio China - channel interfering Chinese language
REP	7110,0	00.10	16	07	ETH		8k00 A3EGN	Radio Ethiopia – Amharic language
REP	7125,0	22.10	05	07	CHN		CW	Continuous Wave Carrier

SOC	KHz	UTC	DD	MM	ITU	IDENT	MODE	DETAILS
								5000uV S9+40dB
REP	7125,0	21.10	11	07	CHN		8k00 A3EGN	Radio China International ?? 1581uV S9+30dB
REP	7130,0	22.35	16	07	MLA		8k00 A3EGN	Radio Sarawak 25uV S8
REP	7145,0	00.30	20	07	SOM		8k00 A3EGN	Radio Hargheisa hour announcing
REP	7165,0	01.00	22	07	ETH		8k00 A3EGN	Radio Ethiopia – Amharic language-music
REP	7190,0	23.30	25	07	MRC		8k00 A3EGN	Rabat Radio news and Arab music
REP	10100,0	21.20	9	07	MLA		J3E-U	Malaysian fishery
REP	10140,0	20.00	25	07	MLA		J3E-U	Malaysian fishery
REP	14000,0	07.00	13	07			J3E-U	Net – sounds like swaili language
REP	14005,0	07.10	17	07	MRC		J3E-U	Marocco's fishery
REP	14110,0	15.00	18	07	I		J3E-U	La Magdalena harbour - assisting sailing runners
REP	14150,0	16.30	24	07	I		J3E-U	Italian family talks to sailing ship off Greece
REP	14160,0	18.30	25	07			J3E-U	Phone patched voices – english – strong sig.
REP	28060,0	12.00	8	07	F		A3E	CB's inside Ham Band
REP	28120,0	11.40	16	07	E		A3E	CB's inside Ham Band
REP	28175,0	13.20	14	07	HRV		A3E	Split - taxis
REP	28185,0	15.30	26	07	E		A3E	Valencia taxis
REP	28275,0	08.30	26	07	E		A3E	Taxi head office
REP	28315,0	10.40	12	07	E		A3E	Taxi near Malaga
REP	28320,0	13.30	16	07	I		A3E	Nuoro - Sardinia - families talking
REP	28350,0	17.40	25	07	I		A3E	Tremiti - family talking to Vieste
REP	28350,0	13.40	3	07			A3E	Russian language - Unid.
REP	28375,0	17.20	3	07			A3E	Serbo Croatian lang. - Unid.
REP	29010,0	14.00	4	07	MRC		A3E	Club Dar El Bey - many lang. Logistic traffic DLY

RSGB - Great Britain – G4BOH (Chris)

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS
RSGB	7030.0	1400-2300	DLY	07	BLR	BC stn A09	A3E	Spurious sig from BC antennas using 7210 kHz and 7390 kHz at Minsk tx site. Baldock informed Belarus authorities. Signal still present. Baldock to report to ITU.

SRAL – Finland – OH2BLU (Pekka)

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	REMARKS
SRAL	7008,0	0530-1330	*	7	RUS	UiPTR	F1B	250	8 days
SRAL	7010,0	0810	10	7	RUS	UiMUX	J7D		
SRAL	7016,0	1030-1230	20, 25	7		UiPTR	F1B	250	
SRAL	7018,8	0330-1700	16, 17	7	RUS	UiCarr	N0N		
SRAL	7020,0	0500-1230	*	7	RUS	UiPTR	F1B	250	5 days
SRAL	7022,0	1340-1500	16	7	RUS	UiMUX	J7D		
SRAL	7025,0	0450	13	7	RUS	UiPTR	F1B		
SRAL	7034,0	1620	14	7	RUS	UiPTR	F1B	250	
SRAL	7038,7	h24	dly	7	UKR	D	A1A		Sevastopol
SRAL	7038,9	h24	dly	7	RUS	S	A1A		Severomorsk
SRAL	7039,0	h24	dly	7	RUS	C	A1A		Moscow
SRAL	7051,0	1440	16	7	RUS	UiPTR	F1B		
SRAL	7054,0	1700-	dly	7	RUS	UiPTR	F1B	200	25 Hz dotter

Society	KHz	UTC	DD	MM	ITU	IDENT	MODE	SH	REMARKS
		0700							
SRAL	7058,0	0930-1430	13, 16	7		UiPTR	F1B	200	
SRAL	7070,5	1030-1630	23	7		UiPTR	F1B	250	
SRAL	7072,0	1810	21	7		UiPTR	F1B	140	
SRAL	7077.7	0630-0900	5,19	7		UiPTR	F1B	1000	
SRAL	7080,0	0130-2110	*	7	RUS	RDL	F1B	200	14 days
SRAL	7088,0	0200-1930	7-13	7		UiPTR	F1B	200	
SRAL	7093.0	0730-1730	*	7	UKR	UiPTR	F1B	140	5 days
SRAL	7099,0	1450	7	7		UiPTR	F1B	250	
SRAL	7099,0	1130	24	7		UiCW	A1A		5BL
SRAL	7100,0	1500-1800	dly	7	ERI	VoBME	A3E		
SRAL	7100,0	1800-2100	dly	7	KRE	VoKorea	A3E		
SRAL	7110,0	*	dly	7	ETH	R Ethiopia	A3E		0300-0500, 1400-2100
SRAL	7111,0	0500-0600	19	7		UiPTR	F1B	250	
SRAL	7116,0	0900-1000	12, 15	7		UiPTR	F1B	200	
SRAL	7118,0	1230-1430	13	7		UiMUX	J7D		
SRAL	7122,0	0340-1900	dly	7	RUS	RDL	F1B	200	Kaliningrad, dotter 25 Hz
SRAL	7125,0	0800-1200	16	7		UiMUX	J7D		
SRAL	7130,0	1400-1800	dly	7	TWN & CHN	RTI & CNR1	A3E		5 – 15 Hz apart
SRAL	7130,0	0815	23	7		UiPTR	F1B	1000	
SRAL	7135,0	1500-1930	dly	7	BLR?	UiBC	A3E		
SRAL	7140,0	1100-1500	15 21	7		UiMUX	J7D		
SRAL	7142,0	0540-2115	2, 3	7		UiCW	A1A		MR 5BL
SRAL	7145,0	1500-1900	dly	7	SOM	R Hargeisa	A3E		
SRAL	7150,0	0700-0900	15, 28	7		UiPTR	F1B	500	
SRAL	7162,0	0600-1230	25	7		UiPTR	F1B	250	
SRAL	7165,0	0330-0530	dly	7	ERI	VoBME	A3E		Jammed by ETH 5 – 15 Hz apart
SRAL	7165,0	1230-1830	dly	7	ERI	VoBME	A3E		Jammed by ETH 5 – 15 Hz apart
SRAL	7166.0	1710-2115	2, 9	7	RUS	PVO	A1A		Groups of figures / timestamp
SRAL	7175,0	0330-0530	dly	7	ERI	VoBME	A3E		Jammed by ETH 5 – 15 Hz apart
SRAL	7175,0	1400-2000	dly	7	ERI	VoBME	A3E		Jammed by ETH 5 – 15 Hz apart
SRAL	7176,0	1200-1330	4	7	KAZ?	UiPRT	F1B	250	
SRAL	7185,0	1030-1700	dly	7	TWN & CHN	RTI & CNR1	A3E		5 – 15 Hz apart
SRAL	7188,0	1100-1230	2,18, 23	7	RUS	UiPTR	F1B	225	
SRAL	7189,0	1000-1100	22	7		UiMUX	J7D		
SRAL	7193,0	0830-	23	7		WO6L	A1A		Calls HRF7

Society	KHz	UTC	DD	MM	ITU	IDENT	MODE	SH	REMARKS
		1120							
SRAL	7198,0	1500-1600	27	7		UiMUX	J7D		
SRAL	7200,0	1030-2100	dly	7	SDN	R Sudan	A3E		
SRAL	10140	1530-1815	2, 9, 10	7	CYP	UiOTHR	P0N		50 Hz pulses
SRAL	14008	0910	7	7	RUS	UiPTR	F1B		
SRAL	14026	1345	15	7	RUS	UiMUX	J7D		
SRAL	14028	1030-1130	16	7	RUS	UiMUX	J7D		
SRAL	14046	1150-1330	23	7	RUS	UiMUX	J7D		
SRAL	14050	1040-1130	15	7	RUS	UiMUX	J7D		
SRAL	14052	1150-1330	23	7	RUS	UiMUX	J7D		
SRAL	14060	0745	20	7	RUS	UiMUX	J7D		
SRAL	14075	0910	22	7		UiPTR	F1B		
SRAL	14081	0850-1200	16	7		UiPTR	F1B		
SRAL	14083	0950-1100	22	7	RUS	UiMUX	J7D		
SRAL	14084	0850-0940	16	7		UiPTR	F1B		
SRAL	14104	0700-1130	11, 23	7	RUS	UiPTR	F1B	250	
SRAL	14108	0700-1130	*	7		V99D	A1A		MR 5BL. Days 15, 16, 24, 30
SRAL	14110	0740-1200	*	7		UiPTR	F1B	250	Days 9, 15, 20, 22
SRAL	14112	0620-0930	15	7		UiMUX	J7D		
SRAL	14116	0750-1130	15, 25	7		UiPTR	F1B	250	Also J7D reported
SRAL	14120	0910-1010	14	7		UiMUX	J7D		
SRAL	14118	0925	15	7		UiCW	A1A		MR 5BL
SRAL	14143	0700-1315	10-15	7		UiMUX	J7D		
SRAL	14160	0825	15, 23	7		UiPTR	F1B		
SRAL	14170	0750	15	7		UiMUX	J7D		
SRAL	14184	0915	11	7		UiPTR	F1B		
SRAL	14202	0930-1400	*	/	GRC?	UiPTR	F1B	1000	Days 10, 11, 16, 23
SRAL	14206	1105	1	7		UiMUX	J7D		
SRAL	14242	0710	11	7		UiMUX	J7D		
SRAL	14250	0825	23	7	CYP	UiOTHR	P0N		
SRAL	14262	0855	16	7	RUS	INVH	A1A		MR 5BL
SRAL	14295	1115-1500	23-29	7	IRN?	UiBC	A3E		
SRAL	14311	1400-1500	29	7	CHN	PVN2	A1A		Calls HES6
SRAL	18070	1030-1130	27	7	CYP	UiOTH	P0N		
SRAL	18150	1340	23	7	CYP	UiOTH	P0N		
SRAL	28035-28935	0845-1420	*	7	RUS	UiVOX	F3E		3 days, 15 reports

USKA – Switzerland – HB9CET (Peter)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
USKA	7000.0	2051	21	07	IRQ	T1Z10	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7000.0	2109	21	07		Names	J3E-U			spanish; Fishery
USKA	7000.0	2301	23	07			J3E-U			spanish
USKA	7000.7	0802	24	07			A1A			transmitting only "" ?"
USKA	7001.4	1637	30	07			MPSK		2600	unid modem, over hours
USKA	7001.4	1832	31	07			MPSK		2600	unid modem, over hours
USKA	7009.0	2156	28	07			A3E			BC, music and russian language 2200 QRT
USKA	7010.0	1259	01	07		CS0	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7016.0	0746	24	07			F1B	75	250	unid
USKA	7020.0	1216	01	07		CS004A	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7020.0	1231	01	07		RS0013D	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7020.0	1242	31	07		CS0	MFSK8	125	1750	MIL 188-141A, ALE
USKA	7021.4	1229	31	07			MPSK	2400		unid, over hours
USKA	7021.8	1403	24	07			PSK8	2400		MIL188-110A 75 bps/long later: 300 + 600 bps / long
USKA	7022.0	1357	16	07			J7D	12x120		PSK-2: CIS 12 = AT3004D
USKA	7034.0	1849	23	07			F1B	75	250	unid
USKA	7038.7	0836	01	07	UKR	D	A1A			Beacon D Sevastopol daily
USKA	7038.9	1527	16	07	RUS	S	A1A			Beacon S Murmansk daily
USKA	7039.0	1527	21	07	RUS	C	A1A			Beacon C Moscow daily
USKA	7054.0	2056	21	07	RUS		F1B	50	200	unid daily
USKA	7058.0	1341	16	07			F1B	50	200	unid
USKA	7072.0	1504	21	07			F1B	100	150	unid
USKA	7080.0	2101	21	07			F1B	50	200	unid
USKA	7091.5	0817	24	07			F1B	40.5	250	unid
USKA	7093.0	1054	11	07			F1B	100	150	unid often
USKA	7099.0	2129	28	07			A1A			letters and figures
USKA	7110.0	1527	13	07			A3E			BC
USKA	7122.0	1507	13	07			F1B	50	200	unid daily
USKA	7122.0	1855	23	07			F1A			unid numers + figures
USKA	7125.0	1526	13	07			A3E			BC
USKA	7130.0	1525	13	07			A3E			BC
USKA	7133.0	1357	16	07			J7D	12x120		PSK-2: CIS 12 = AT3004D
USKA	7135.0	1524	13	07			A3E			BC
USKA	7135.0	1227	23	07			F1B	40.5	250	unid
USKA	7140.0	1423	16	07			J7D	12x120		CIS 12 = AT3004D
USKA	7142.0	1904	23	07			A1A			in groupes of 5
USKA	7165.0	1522	13	07			A3E			BC
USKA	7166.0	1731	13	07			A1A			Figures only almost daily
USKA	7175.0	1521	13	07			A3E			BC
USKA	7185.0	1520	13	07			A3E			BC
USKA	7188.0	1138	18	07			F1B	75	250	unid
USKA	7198.0	1545	27	07			J7D	12x120		PSK-2: CIS 12 = AT3004D
USKA	7200.0	1518	13	07			A3E			BC
USKA	10140.0	2049	28	07			P0N	50 pps		OTHR, from 10140 kHz up
USKA	10148.0	1457	02	07			P0N	50 pps		OTHR, from 10148 kHz up
USKA	14000.0	1740	10	07			J3E-U			english; number station
USKA	14064.0	1153	01	07			F1B	75	250	unid
USKA	14108.0	1204	01	07			A1A			unid CW, no ham
USKA	14116.0	0814	01	07			F1B	75	250	unid
USKA	14118.0	1208	23	07			J7D	12x120		PSK-2: CIS 12 = AT3004D
USKA	14143.0	1304	09	07			J7D	12x120		PSK-4: CIS 12 = AT3004D
USKA	14202.0	1314	09	07			F1B	100	850	unid almost daily
USKA	14206.0	1107	01	07			J7D	12x120		CIS 12 = AT3004D
USKA	14221.0	2104	21	07			F1B	50	200	unid almost daily
USKA	14240.0	0839	01	07			F1B	50	250	unid
USKA	14248.5	1129	01	07			F1B	1200	600	ARQ, unid
USKA	14328.4	1618	30	07			F1B	600	600	ARQ, unid
USKA	14333.0	0811	01	07			F1B	50	200	unid almost daily
USKA	14340.0	2116	21	07			J7D	12x120		CIS 12 = AT3004D, idling
USKA	14348.0	2112	21	07		Names	J3E-U			spanish, Fishery
USKA	28040.0	1047	08	07			H3E			unid language

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
USKA	28065.0	0956	08	07			A3E			spanish, no ham
USKA	28131.6	1305	31	07		DO	A1A			Fishery buoy
USKA	28166.1	1006	26	07		ME	A1A			Fishery buoy
USKA	28166.3	1007	26	07		IZ	A1A			Fishery buoy
USKA	28241.2	1307	31	07		L	A1A			Fishery buoy
USKA	28241.6	1508	31	07		LB	A1A			Fishery buoy
USKA	28249.8	1512	31	07		FA	A1A			Fishery buoy
USKA	28391.6	1002	26	07		CL	A1A			Fishery buoy
USKA	28395.7	1005	26	07		CF	A1A			Fishery buoy

Veron 1 – Netherlands – PA0GRU (Dick)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
VERON	3531,0	18.56	21	7	CIS	UiPtr	F1B	400	Ptr
VERON	3735,0	18.53	21	7	CIS	UiPtr	F1B	500	Revs, also 24/7 at 18.35 utc
VERON	7008,0	12.54	3	7		UiPTR	F1B		Ptr
VERON	7038,7	vt	vd	7	UKR	D	A1A		D-beacon
VERON	7038,9	vt	vd	7	RUS	S	A1A		S-beacon
VERON	7039,0	vt	vd	7	RUS	C	A1A		C-beacon
VERON	7054,0	vt	vd	7	CIS	UiPTR	F1B		Revs/Ptr
VERON	7054,0	18.28	24	7	RUS	UiPtr	F1B	250	Revs, also 30/7 18.39 utc
VERON	7072,0	18.44	21	7	CIS	UiPtr	F1B	140	Ptr,
VERON	7088,0	09.38	7	7		UiPTR	F1B		Ptr
VERON	7110,0	18.45	21	7		UiBC	A3E		speech, unknown language
VERON	7122,0	18.10	30	7		UiPTR	F1B		Ptr
VERON	7142,0	18.10	2	7		UiCW	A1A		5L
VERON	7166,0	vt	vd	7		UiCW	A1A		Strings of Figures
VERON	7166,0	18.41	30	7	CIS	UiCW	A1A		145127525 37840= etc etc
VERON	7175,0	18.48	21	7	ERI	VOBM	A3E		speech, also 24/7 at 18.24 utc, 30/7 18.49
VERON	7198,0	18.50	21	7	RUS	VOR	A3E		splatter from 7205 KHz V.O.Russia
VERON	10108,0	11.00	2	7	CIS	UiPTR	F1B		Carrier/Revs/Ptr
VERON	10121,0	11.12	6	7		UiPTR	F1B		Ptr
VERON	10127,0	17.44	29	7			A3E		5F groups in English language
VERON	10130,0	vt	vd	7		UiPTR	F1B		Ptr
VERON	14001,0	08.34	25	7		UiCAR	NON		carrier
VERON	14020,0	12.22	10	7		UiILL	J3eu		fishermen latin language
VERON	14060,0	07.21	20	7	RUS	UiMUX	J7D		12 MPSK AT 3004-D
VERON	14075,0	08.42	22	7	CIS	UiPtr	F1B	250	Ptr
VERON	14108,0	12.01	1	7	CIS	9PQ4	A1A		Calls (to: G85T ZEPR MYX7 DKN9 WYYK)
VERON	14108,0	09.25	2	7	CIS	AL9Q	A1A		PPPPP 5BL (to: ISWV)
VERON	14108,0	10.08	27	7	CIS	8M9Y	A1A		Calls (to: 9TQA AP2X ASOB CFWF OT8L)
VERON	14108,0	09.22	23	7	CIS	Y1CA	A1A		de Y1CA Y1CA QTC ZWA AR
VERON	14108,0	09.23	23	7	CIS	8M9Y	A1A		3MBA de 8M9Y R 435? K
VERON	14116,0	vt	vd	7		UiPTR	F1B		Ptr
VERON	14116,0	vd	vt	7	CIS	UiPtr	F1B	250	Ptr, 4 days
VERON	14192,0	vt	vd	7		UiPTR	F1B		Revs
VERON	14202,0	17.19	3	7		UiPTR	F1B		Ptr
VERON	14205,0	09.33	3	7		UiMUX	J7D		12 MPSK
VERON	14238,0	09.25	8	7		UiPTR	F1B		Ptr
VERON	14240,0	08.33	1	7		UiPTR	F1B		Ptr
VERON	14333,0	vt	vd	7		UiPTR	F1B		Revs/Ptr
VERON	18072,0	10.33	26	7		OHRT	PON		radar

Veron 2 – Netherlands – PA0GRU (Dick)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
VERON	7000,0	14.44	30	7		??	A1A		Continuously signing question marks
VERON	7005,0	17.12	2	7	CIS	UiCW	A1A		5BL= K
VERON	7008,0	12.47	27	7		UiPtr	F1B	250	Revs, Ptr
VERON	7019,0	05.58	7	7	RUS	RAL2	A1A		QSO RLO2, RBL70, proc
VERON	7019,0	05.59	7	7	RUS	RLO2	A1A		QSO RAL2, proc
VERON	7019,0	05.59	7	7	RUS	RBL70	A1A		QSO RAL2, proc
VERON	7019,0	15.05	12	7	RUS	RAL2	A1A		to R1B2, RGH2, RMW2, RHQ2
VERON	7019,0	15.06	12	7	RUS	RGH2	A1A		QSO RAL2, proc
VERON	7019,0	15.07	12	7	RUS	RMW2	A1A		QSO RAL2, proc
VERON	7019,0	15.08	12	7	RUS	RHQ2	A1A		QSO RAL2, proc
VERON	7019,0	15.08	12	7	RUS	RBL66	A1A		QSO RAL2, proc
VERON	7019,0	15.09	12	7	RUS	RAL2	A1A		to RBL672, calls, no qso
VERON	7019,0	15.22	20	7	RUS	RAL2	A1A		to RBL66: 5BL, proc
VERON	7019,0	15.24	20	7	RUS	RBL66	A1A		to RAL2: proc
VERON	7019,0	15.15	27	7	RUS	RAL2	A1A		proc, to RBL672
VERON	7019,0	15.15	27	7	RUS	RBL672	A1A		to RAL2: proc
VERON	7019,0	15.15	27	7	RUS	RAL2	A1A		to RBL66: 5BL, proc
VERON	7019,0	15.25	27	7	RUS	RBL66	A1A		to RAL2: proc
VERON	7020,0	12.50	27	7		UiPtr	F1B	250	Ptr
VERON	7038,7	05.13	vd	7	UKR	D	A1A		16.40 utc, beacon, 7 days
VERON	7038,9	05.13	vd	7	RUS	S	A1A		16.40 utc, beacon, 7 days
VERON	7039,0	05.13	vd	7	RUS	C	A1A		13.42 utc, beacon Moscow, 7 days
VERON	7054,0	19.30	25	7	RUS	UiPtr	F1B	200	Printer
VERON	7054,0	05.10	vd	7	RUS	UiPtr	F1B	250	06.30 utc, Revs, 4 days
VERON	7070,5	07.13	27	7		UiPtr	F1B	250	slow Revs
VERON	7079,5	07.16	27	7		UiPtr	F1B	500	Revs, Ptr
VERON	7099,0	13.33	23	7	CIS	Y4NO	A1A		proc, 5BL
VERON	7099,0	05.35	31	7	CIS	Y4NO	A1A		4F
VERON	7099,0	05.40	31	7	CIS	Y4NO	A1A		QRV ZSJ K/ proc
VERON	7110,0	19.11	25	7	ETH	R.Eth.	A3E		S9+30dB
VERON	7110,0	14.29	30	7		UiBC	A3E		Carrier with noise, S9+20dB
VERON	7165,0	14.26	30	7		UiBC	A3E		Carrier with 50Hz noise over 10kHz wide
VERON	7175,0	18.39	25	7	ERI	UiBC	A3E		Music + voice, S9+10dB
VERON	7186,0	12.47	24	7	FIN	UiMUX	J7D		MPSK-12
VERON	10112,0	12.45	24	7	TUR	UiMUX	G7D		Stanag,4285 - 2k6 wide
VERON	14048,0	12.20	24	7		UiMUX	J7D		MPSK-12
VERON	14064,0	12.22	24	7		UiMUX	J7D		MPSK-12
VERON	14071,3	08.20	7	7	?	UiMUX	J7D		MPSK
VERON	14095,0	12.23	24	7		UiMUX	J7D		MPSK-12
VERON	14104,0	13.53	30	7		UiPtr	F1B	250	Printer
VERON	14108,0	05.15	1	7	CIS	ZEYE	A1A		to LH4M: 5BL
VERON	14108,0	06.30	1	7	CIS	AL9Q	A1A		to I5WV,H9DK,KVWK,WXL3, 2KJU, proc
VERON	14108,0	05.15	2	7	CIS	2KWG	A1A		to I5WV, QTC ZDM K / 5BL
VERON	14108,0	09.11	2	7	CIS	AL9Q	A1A		to H9DK, ISWV: proc, 5BL
VERON	14108,0	07.10	6	7	CIS	Y1CQ	A1A		Y1CQ,QTC ZZB AR (many times)
VERON	14108,0	07.14	6	7	CIS	AL9Q	A1A		to H9DK, ISWV: proc, 5BL
VERON	14108,0	06.38	8	7	CIS	AL9Q	A1A		QSO H9DK, proc
VERON	14108,0	06.48	8	7	CIS	AL9Q	A1A		to ISWV, QTC ZWI K /5BL
VERON	14108,0	07.14	13	7	CIS	QMK1	A1A		to CNZX: 5BL
VERON	14108,0	07.22	14	7	CIS	MPZW	A1A		proc
VERON	14108,0	06.47	14	7	CIS	V99D	A1A		to GGC1, S6TO,5CP8, BF3E,
VERON	14108,0	06.47	14	7	CIS	V99D	A1A		MP1D, KST9, NOQT: proc
VERON	14108,0	07.10	14	7	CIS	MPZW	A1A		to KST9, LJ6J, 5BL, proc
VERON	14108,0	06.36	15	7	CIS	V99D	A1A		to S6TO, 5CP8, calls
VERON	14108,0	06.41	18	7	CIS	V99D	A1A		to GGC1, S6TO,5CP8, BF3E,MP1D, proc
VERON	14108,0	05.53	20	7	CIS	QMK1	A1A		to MP1D, ZNB ZBB ZBJ QYT6 K
VERON	14108,0	06.58	20	7	CIS	V99D	A1A		to GGC1: QTA QLX K
VERON	14108,0	08.57	20	7	CIS	XXX	A1A		XXX G5CX F2ET 59199 12665 alimentnyj
VERON	14108,0	05.46	21	7	CIS	5NZP	A1A		ZKN ZBD ZPB QYT9 K

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
VERON	14108,0	6.26	21	7	CIS	8M9Y	A1A		to 3MBA, 9TQA, AP2X, ASOB, CFWF, etc
VERON	14108,0	07.13	21	7	CIS	8M9Y	A1A		to OT8L, proc, 5BL
VERON	14108,0	06.43	27	7	CIS	8M9Y	A1A		to 3MBA, 9TQA, AP2X, ASOB, E74U: proc
VERON	14108,0	07.17	23	7	CIS	8M9Y	A1A		to OT8L, proc, 5BL
VERON	14108,0	07.14	29	7	CIS	5NZP	A1A		to 9TQA, QTC ZGV K /5BL
VERON	14108,0	05.11	31	7	CIS	CW7N	A1A		to E74E, QTC ZWV K/ 5BL
VERON	14110,0	12.24	24	7		UiMUX	J7D		MPSK-12
VERON	14116,0	05.16	2	7	?	UiCW	A1A		strings of cyrillic letters
VERON	14116,0	06.20	31	7	CIS	UiCW	A1A		QRJ? /SK
VERON	14118,0	06.01	1	7	CIS	AXZU	A1A		to KC3E: 5BL/rpt all QLN K
VERON	14118,0	06.07	1	7	CIS	AXZU	A1A		to MTE4: 5BL
VERON	14118,0	07.30	2	7	CIS	AXZU	A1A		to MTE4, KC3E: 5BL
VERON	14118,0	09.08	6	7	CIS	SZAJ	A1A		5BL= K
VERON	14118,0	09.17	6	7	CIS	AXZU	A1A		to KC3E; 5F
VERON	14118,0	05.48	15	7	CIS	5EWA	A1A		to 4EQ2: 5BL
VERON	14124,0	09.40	21	7	?	UiCW	A1A		dotter, QTE northwest
VERON	14126,0	12.26	24	7		UiMUX	J7D		MPSK-12
VERON	14173,0	12.27	24	7		UiMUX	J7D		MPSK-12
VERON	14192,0	05.10	vd	7	CIS	UiPtr	F1B	500	07.28 utc, Revs, 2 days
VERON	14295,0	14.18	30	7		UiCAR	A3E		Persistent unstable carrier, S9 (harmonic from 4765)
VERON	14333,5	14.21	30	7		UiMUX	G7B		Frequency hopper
VERON	18072,4	13.09	29	7		UiMUX	J7D		MPSK-4
VERON	18074,0	13.41	30	7		UiMUX	J7D		MPSK-4
VERON	18093,0	13.11	29	7		UiMUX	G7B		Frequency hopper
VERON	21112,0	12.12	24	7		UiMUX	G7D		MPSK-8, 2k6 wide (Stanag?)
VERON	24905,3	12.58	29	7		UiMUX	G7B		Frequency hopper
VERON	28215,0	12.45	29	7		UiMUX	G7B		Frequency hopper
VERON	28262,0	12.49	29	7		UiMUX	J7D		MPSK-8
VERON	28311,5	12.52	29	7		UiMUX	J7D		MPSK-4

IARUMS Region 1

Many thanks for your interest!

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