



Monitoring System

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The monthly newsletter for Region 1

September 2009

The members of the IARUMS Region 1 Monitoring Team:



Acknowledgements

- ++ ARI: DH7SA – Salvatore ++ ARSK: 5Z4NU - Ted ++ DARC: DJ9KR - Uli ++ EARA: SU1SA – Sayed ++
- ++ IRTS: EI4GXB - Ger ++ KARS: 9K2RR – Faisal ++ MARL: 9H1M – Dominic ++ MRASZ: HA7PL - Laci ++
- ++ NARS: 5N9AYM – Yusuf ++ OEVSV: OE3DMA – Alex ++ RAL: OD5RI – Riri ++
- ++ REP: CT4AN – Jose and CT1JTQ – Angelo ++ RSGB: G4BOH - Chris ++ SARL: ZS4SM - Malcolm ++
- ++ SRAL: OH2BLU - Pekka ++ URE: nn ++ USKA: HB9CET - Peter ++ VERON: PA0GRU - Dick ++
- ++ G3VZV – Graham (satellite intrusions) ++ TG9AJR – Juan (Co-ordinator Region 2) ++
- ++ VU2UR - Arasu (Co-ordinator Region 3) ++ DF8FE – Martin (Webmaster assistance) ++ DL8AAM (ALE) ++
- ++ DJ7KG (BUOYS) ++ DF5SX (BC) ++ DK4VW - Ulli (DARC-HF-Department) ++ DARC (server support) ++
- ++ various European PTTs ++ 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

Part 1: News and Infos

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

**My daily monitoring work is severely affected by a neighbored Plasma TV.
The range from 100 kHz is 30 MHz is concerned from 04 – 22 UTC and later!**

2. **Problems by the Russian Radar “ABM2”**

The Russian Radar “ABM2” (NATO-name “Steelyard”), location Smolensk, was transmitting on 14440 kHz with a bandwidth of 10 kHz. The radar produced spurious signals up and down 140 kHz every morning. On the end of September, the ABM2 disturbed 14255 +/- 5 kHz daily. I informed the German PTT (BNetzA).

3. **Russian military-band 7 MHz**

We found Russian MIL traffic in F1B and PSK on many frequencies between 7000 and 7200 kHz. BC stations are going, the Russian MIL is coming. We are not amused.

4. **Weatherfax on 14001.9 kHz**

On Sep. 18th I found a Wxfax on 14001.9 kHz (120 rpm, IOC 576) transmitting from USA, operated by the US Coastguard. I sent a mail to our friends AA3GZ (Jack Seitner) and K0BOG (Chuck Skolaut). Jack phoned the Coastguard at once. The transmissions were finished. **Great action, dear Jack!**

5. **Again Brazilian pirates on 14000 kHz**

The well known pirate net from North Brazil was audible again in USB in the evening hours. The fellows are well known from earlier years. More than 5 years ago I informed the Brazilian Authority “ANATEL”. Nothing happened there, no reaction, no change. **Sleep well ANATEL!**

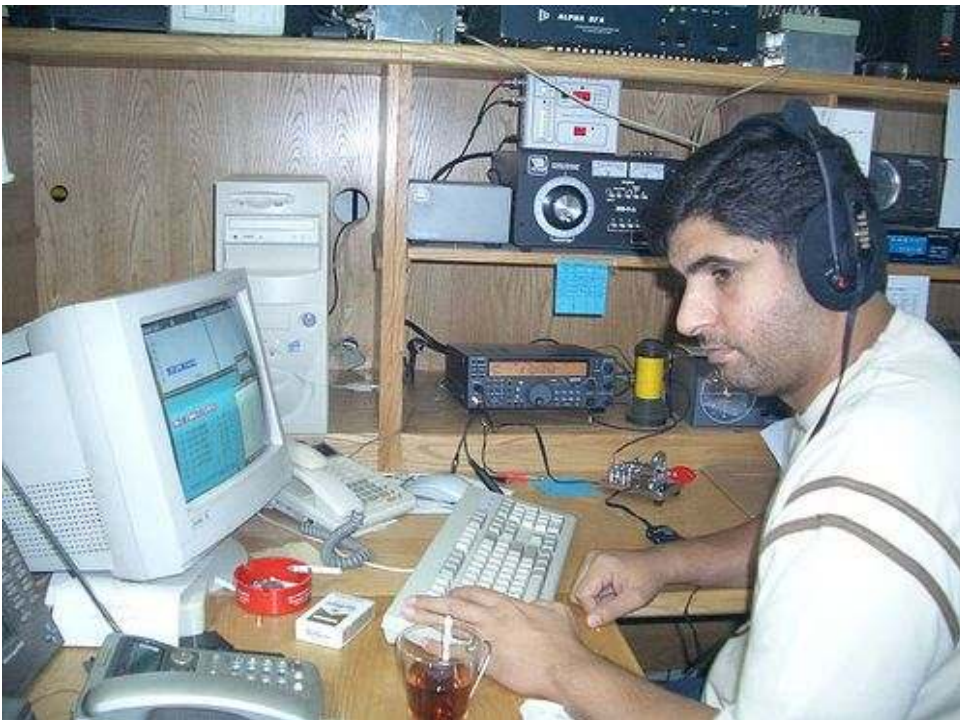
6. **Pirates from Argentina on 14000 kHz**

Another pirate net from Argentina in Spanish voice appeared on 14000 in USB on Sep. 23th. They used the following idents: “Lima 24 and Lima 251”. We know these idents from 21000 kHz few years ago. The exact location and the purpose are unknown.

7. **A new member in our Monitoring System: 9K2RR - Faisal**

Of course I was very glad, when Faisal told me, that he would like to be a member in our team. Faisal is a communication engineer and active as General Secretary of Kuwait Amateur Radio Society (KARS). More details: His age is 39 years, married, 5 children. He has many experiences and is well known for his numerous amateurradio-activities. **Welcome to our Monitoring Team, dear Faisal!**

9K2RR – Faisal in front of his equipment



- 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/>

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 September, 2009

Two weeks at the coast revealed the usual Somali intrusions, but nothing new. Power cable hefts in my area of Nairobi disabled me for nearly a week

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	1401	17	9	EA	UiPHONE	J3Eu	KiSwahili. Military, message traffic.
ARSK	7000.0	vt	*	9	SOM	UiPHONE	J3E	Somalis.13,17,19,
ARSK	7011.0	vt	*	9	SOM	UiPHONE	J3Eu	Somalis.*3,6,9,
ARSK	7012.0	vt	dly	9	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7016.0	0912	19	9	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7022.0	vt	*	9	SOM	UiPHONE	J3Eu	Somalis. *13,19,
ARSK	7024.0	0526	8	9	ZAI	UiPHONE	J3E	French, vernacular.
ARSK	7027.0	vt	*	9	SOM	UiPHONE	J3Eu	Somalis.*17,
ARSK	7028.0	vt	*	9	SOM	UiPHONE	J3Eu	Somalis.*19,
ARSK	7031.0	0529	19	9	SOM	UiPHONE		
ARSK	7032.0	1301	9	9	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7042.0	1308	7	9	ZAI?	UiPHONE	J3Eu	Italian, non-Amateur.
ARSK	7045.0	0915	19	9	SOM	Kismayu	J3Eu	Somalis.
ARSK	7045.0	vt	dly	9	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 sendig five letter code groups, presumablyan encrypted mssage.
ARSK	7053.0	1309	7	9	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7062.0	0525	8	9	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7057.0	vt	*	9	SOM	UiPHONE	J3Eu	Somalis. *13,
ARSK	7061.0	0536	13	9	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7062.0	0535	13	9	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7066.0	vt	*	9	SOM	UiPHONE	J3Eu	Somalis.*19,
ARSK	7072.0	1354	17	9	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7089.0	vt	*	9	SOM	UiPHONE	J3Eu	Somalis. Switches sidebands. *13,19,
ARSK	7092.0	vt	*	9	SOM	UiPHONE	J3Eu	Somalis.*3,8,19,
ARSK	7097.0	300	9	9	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7110.0	vt	dly	9	ETH	Addis Ababa	A3E	Broadcast, Addis Ababa, Ethiopia
ARSK	7135.0	0915	19	9	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7145.0	0917	19	9	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7150.0	1303	9	9	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7165.0	vt	dly	9	ETH	Addis Ababa	A3E	Broadcast. Arabic, Amharic.
ARSK	7175.0	vt	dly	9	?	VOBM?	A3E	Broadcast.
ARSK	7195.0	vt	dly	9	UGA	Kampala	A3E	Broadcast, Radio Uganda
ARSK	7200.0	vt	dly	9	SDN?	UiBC	A3E	Broadcast in Arabic, possibly Khartoum.

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

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS
DARC	3500,0	vt	vd	09	E	UiILL	J3E-U	fishery heard 19 26 at 2140, 1946
DARC	3515,4	vt	vd	09	RUS	UiILL	J3E-U	Russian male net, heard 25 26 at 1908, 1957
DARC	3520,0	0625	08	09	HOL	UiILL	J3E-U	Dutch fishery
DARC	3520,0	153	09	09	HOL	UiILL	J3E-U	Dutch fishery
DARC	3520,0	vt	vd	09	F	UiILL	J3E-U	French fishery heard 10 12 at 2016, 1907
DARC	3522,0	0802	27	09	F	UiILL	J3E-U	2 male persons in French language
DARC	3532,0	1851	29	09	G	UiILL	J3E-U	UK fishery, engine noise
DARC	3535,0	1909	02	09	POR	UiILL	J3E-U	fishery
DARC	3540,0	2006	02	09	E	UiILL	J3E-U	Spanish fishery, engine noise audible
DARC	3540,0	0749	27	09	F	F5BQ	A3E	OP Paul - AM in SSB section - not conform to Band Plan IARU
DARC	3540,0	0749	27	09	F	F1APJ	A3E	OP Christophe - AM in SSB section - not conform to Band Plan IARU
DARC	3544,5	2023	09	09	G	UiILL	J3E-U	UK fishery, engine noise
DARC	3547,0	1933	20	09	F	UiILL	J3E-U	fishery, engine noise heard
DARC	3550,0	0810	06	09	F	French Lis Amateurs	A3E	daily
DARC	3550,0	0759	11	09	F	French Lis Amateurs	A3E	large net in French voice
DARC	3550,0	1919	21	09	F	French Lis Amateurs	A3E	calling CQ
DARC	3550,0	1913	25	09	HOL	UiILL	J3E-U	Dutch fishery
DARC	3550,0	vt	25	09	F	F6ACB	A3E	OP Roland, heard 0725 - 0800
DARC	3550,0	vt	25	09	F	F8BSV	A3E	OP Alain, heard 0725 - 0800
DARC	3550,0	vt	25	09	F	F2QH	A3E	OP Patrick, heard 0725 - 0800
DARC	3550,0	vt	25	09	F	F5DQH	A3E	OP Michel, heard 0725 - 0800
DARC	3550,0	0753	27	09	F	F8IM	A3E	OP André - AM in SSB section - not conform to Band Plan IARU
DARC	3550,0	0753	27	09	F	F1APJ	A3E	OP Christophe - AM in SSB section - not conform to Band Plan IARU
DARC	3550,0	0753	27	09	F	?DBV	A3E	AM in SSB section - not conform to Band Plan IARU
DARC	3550,0	0750	30	09	F	F5DQH	A3E	OP Michel - not conform to IARU BAND PLAN: no AM in CW section
DARC	3550,0	0750	30	09	F	F6ACB	A3E	OP Roland - not conform to IARU BAND PLAN: No AM in CW section
DARC	3550,0	0750	30	09	F	UiHAM	A3E	OP Henri-Paul - not conform to IARU BAND PLAN: no AM in CW section
DARC	3560,0	1927	04	09	N.Eu	UiILL	J3E-U	Scandinavians
DARC	3560,0	1817	19	09	E	UiILL	J3E-U	fishery
DARC	3560,0	1928	28	09	F	UiILL	J3E-U	fishery, engine noise heard
DARC	3560,0	vt	vd	09	N.Eu	Zulu One	J3E-U	Scandinavians heard 16 18 at 1902, 1910
DARC	3570,0	1926	01	09	E	UiILL	J3E-U	Spanish fishery, also using scrambler system CR-2001
DARC	3570,0	0804	27	09	F	UiILL	J3E-U	2 male persons in French language
DARC	3570,0	0822	29	09	F	UiILL	J3E-U	2 male persons in French language, fishery as talking about "marée, vent, peche" (tide, wind, fishing)
DARC	3571,0	1703	10	09	HOL	UiILL	J3E-U	Dutch fishery
DARC	3574,0	1751	08	09	E	UiILL	J3E-U	Spanish fishery, also using scrambler system CR-2001
DARC	3575,0	0804	27	09	F	UiILL	A3E	2 male persons in French language
DARC	3600,0	1602	26	09	F	F6DVD	A3E	OP Marcel - AM in SSB section - not conform to Band Plan IARU
DARC	3600,0	1602	26	09	F	F4DKL	A3E	OP Fabrice - AM in SSB section - not conform to Band Plan IARU
DARC	3600,0	1602	26	09	F	F1APJ	A3E	OP Christophe - AM in SSB section - not conform to Band Plan IARU
DARC	3600,0	1602	26	09	F	?AYC	A3E	AM in SSB section - not conform to Band

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS
								Plan IARU
VU2UR	7000,0	0152	02	09	CLN	Fishing Trawlers	J3E-U	Sri Lankan fishing trawlers, report VU2UR
DARC	7000,0	0834	13	09	I	UiILL	J3E-U	Italian pirates
DARC	7000,0	1004	28	09		UiILL	J3E-U	unid pirates
DARC	7000,0	1907	29	09	GRC	UiILL	J3E-U	unid male net, counting in Greek voice
DARC	7000,0	1834	30	09	MRC	UiILL	J3E-U	fishery
DARC	7000,4	0700	01	09	POR	UiILL	J3E-U	fishery
VU2UR	7006,7	0230	02	09	CLN	Fishing Trawlers	J3E-U	Sri Lankan fishing trawlers, report VU2UR
DARC	7008,0	1710	04	09	F.E	UiILL	J3E-U	pirates from Far East
VU2UR	7010,2	0228	02	09	CLN	Fishing Trawlers	J3E-U	Sri Lankan fishing trawlers, report VU2UR
VU2UR	7017,0	0150	02	09	CLN	Fishing Trawlers	J3E-U	Sri Lankan fishing trawlers, report VU2UR
VU2UR	7033,2	0305	02	09	CLN	Fishing Trawlers	J3E-U	Sri Lankan fishing trawlers, report VU2UR
VU2UR	7101,1	0300	02	09	CLN	Fishing Trawlers	J3E-U	Sri Lankan fishing trawlers, report VU2UR
VU2UR	7123,1	0302	02	09	CLN	Fishing Trawlers	J3E-U	Sri Lankan fishing trawlers, report VU2UR
DARC	7150,0	0648	10	09	MRC	UiILL	J3E-U	Morrocan fishery, 2 male persons
DARC	7150,0	vt	10	09	MRC	UiILL	J3E-U	2 male persons in local language and French, one person has shreeky voice - they admit that they are MRC fishermen, excuse and leave the QRG - hear 0647 - 0652
DARC	10100,0	0700	21	09	I	UiILL	J3E-U	male traffic in Italian voice
DARC	10101,0	0712	11	09	MRC?	UiILL	J3E-U	male voices, MRC?
DARC	10101,0	1923	18	09		UiILL	J3E-U	pirates, unknown language
DARC	10101,0	vt	vd	09	MRC	UiILL	J3E-U	fishery heard 12 13 15 at 1812, 1617, 2120
DARC	10104,9	vt	18	09	S.As	UiILL	J3E-U	2 male persons, S.As language
DARC	10115,2	0722	25	09	E	Fishing Trawlers	J3E-U	2 male persons in Spanish, fishery
DARC	10125,0	1543	10	09	MRC	Fishing Trawlers	J3E-U	2 male persons, unid language, MRC fishery?
DARC	10135,0	1432	06	09	I	UiILL	J3E-U	Italian male traffic, dialect, fishery? - to 10150
DARC	10148,5	2218	17	09	F.Ea	UiILL	J3E-U	pirates
DARC	10150,0	1434	06	09	I	UiILL	J3E-U	Italian male traffic, dialect, fishery? - from 10135
DARC	10150,0	1918	19	09	E	UiILL	J3E-U	fishery
DARC	10150,0	0715	22	09	RUS	UiILL	J3E-U	2 male persons in Russian
DARC	14000,0	1043	01	09	CLN	UiILL	J3E-U	fishery
DARC	14000,0	1030	01	09	ISR	YHF	A3E	female voice spelling Yankee-Hotel-Foxtrott
DARC	14000,0	1920	09	09	F	UiILL	J3E-U	pirates
DARC	14000,0	1407	18	09	CLN	UiILL	J3E-U	fishery
DARC	14000,0	1617	30	09	AGL	UiILL	J3E-U	African pirate net
DARC	14001,6	1920	12	09	CLN	UiILL	J3E-U	fishery
DARC	14020,2	1447	15	09	CLN	UiILL	J3E-U	fishery
DARC	14024,0	1610	22	09	I	Fishing Trawlers	J3E-U	Italian male traffic, dialect, fishery?
DARC	14035,0	0709	07	09	F.Ea	UiILL	J3E-U	pirates from Far East
DARC	14275,0	1715	17	09	USA	K1MAN	J3E-U	is active all day with BC regarding Amateur Radio
DARC	14275,0	1730	23	09	USA	K1MAN	J3E-U	BC like transmissions all day - female speaker
DARC	14275,0	vt	dly	09	USA	K1MAN	J3E-U	BC like transmissions all day every day
DARC	14349,0	0726	26	09	F.Ea	UiILL	J3E-U	Far East pirates
DARC	14350,0	1717	17	09	S.As	UiILL	J3E-U	male to female in inknown S.As language - splatters into ham band
DARC	14350,0	0713	18	09	RUS	UN9LFF	J3E-U	is active - out-of-band operation!
DARC	14350,0	0811	26	09	E	UiILL	J3E-U	Spanish fishery
DARC	21000,0	1900	08	09	B	UiILL	J3E-U	pirates

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS		
DARC	21041,0	1012	26	09	MRC	UiLL	J3E-U	Morrocan fishery, 2 male persons		
DARC	21415,2	1038	30	09	F.Ea	UiLL	J3E-U	woman singing		

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!)

ALE (MIL188-141A) -> USB frequency

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	REMARKS AND COMMENTS
DARC	1867,7	1940	12	09	G	UiPTR	F1B	1k2	1200	ASCII, RM 6 modem, location East Scotland - is legal!
DARC	3500,0	2128	26	09	TUR	Turkish Red Crescent	FSK8			ALE, selcalls 2010 and 2015 - is Turkish Red Crescent - daily
DARC	3500,5	2036	18	09	BLR	UiPTR	F1B	75	200	unid printer
DARC	3517,0	1724	06	09		UiMUX	G7B			frequency hopper
DARC	3517,0	1900	16	09		UiPTR	F1B	75	850	unid printer
DARC	3527,5	1942	04	09	UKR	UiPTR	F1B	41	200	system FROST-1, location Krimea Peninsula - 40,5 Bd
DARC	3535,0	1856	04	09	UKR	UiMUX	J7D	120		MPSK-12, AT-3004-D - location Odessa
DARC	3539,0	1915	03	09	UKR	UiMUX	J7D			MPSK-12, AT-3004-D, location Krimea Peninsula
DARC	3542,0	1950	21	09	RUS	UiMUX	J7D			MPSK-12, AT-3004-D
DARC	3547,0	1940	20	09	BLR	UiPTR	F1B	50	200	unid printer
DARC	3550,0	0810	dly	09	F	French Lis Amateurs	A3E			using AM in CW section
DARC	3551,8	1908	21	09		UiMUX	J7D			Link-11, difference 30 Hz between pilot tones - 2 ships in channel between France and Britain
DARC	3552,0	1717	14	09		UiPTR	F1B	50	200	ship located Northern Baltic Sea
DARC	3553,8	ady	dly	09	TUR	UiMUX	G7D	2k4		Stanag-4285, 2k4, 8PSK - is Turkish MIL, permanent
DARC	3567,5	vt	vd	09	POL	UiMUX	J7D	120		MPSK-12, AT-3004-D heard 25 29 at 1911, 1852 - location Gdansk
DARC	3570,0	1826	17	09	LTU	UiMUX	J7D			MPSK-12, AT-3004-D
DARC	3595,0	ady	dly	09	D	UiMUX	FSK8	125	1750	ALE, selcalls ZLST and ZRUE - is German Customs located North Germany
DARC	3596,8	1915	02	09	ALB	UiMUX	J7D			Link-11, KFOR?
DARC	3608,0	1912	03	09	POL	UiPTR	F1B	50	200	unid printer, location North of Warsaw
DARC	3622,0	1826	14	09	RUS	UiPTR	F1B	50	200	unid printer, location Novgorod
DARC	3782,0	ady	dly	09	POR	CTP	F1B	75	850	Port. Navy HQ Lisbon transmitting for NATO vessels
DARC	3799,0	2130	24	09	LTU	UiPTR	F1B	41	250	unid printer, system FROST-1 - 40,5 Bd, Area of LTU border to POL
DARC	5195,0	1833	17	09	D	DRA5	A1A			disturbed by Stanag-4285
DARC	7000,0	1243	10	09		UiMUX	J7D	120		MPSK-12, AT-3004-D, is a ship in Eastern Black Sea

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	REMARKS AND COMMENTS
DARC	7000,0	2144	11	09	USA / IRQ	UiMUX	FSK8	125	1750	ALE, selcalls GUNTOC and SHDTCO - USAF
DARC	7000,0	1004	28	09	G / CYP	British OTH Radar	P0N			OTH Cyprus, 50 pps system
DARC	7000,0	ady	dly	09		UiMUX	G7B			frequency hopper
DARC	7000,4	0700	01	09	TUR	UiMUX	G7D			Stanag-4285, 2k4, 8PSK - is Turkish MIL
DARC	7000,8	1837	09	09	RUS	UiMUX	OFDM	30		OFDM 60 tones
DARC	7011,8	0835	10	09	BIH	UiMUX	G7D	2k4		MIL-188-110A, 2k4, 8PSK, 75 bps long
DARC	7018,0	vt	vd	09	RUS	UiMUX	J7D	120		MPSK-12, AT-3004-D, heard 29 30 at 0645, 0825, 1726, 1851, 1933
DARC	7022,0	0930	21	09	RUS	UiMUX	J7D			MPSK-12, AT-3004-D. location Moscow
DARC	7030,0	1550	11	09		UiBC	A3E			weak signal
DARC	7032,0	0844	17	09	RUS	UiMUX	J7D			MPSK-12, AT-3004-D
DARC	7035,0	2011	21	09		UiMUX	G7B			frequency hopper
DARC	7038,7	ady	dly	09	UKR	beacon D	A1A			Sevastopol
DARC	7038,9	ady	dly	09		beacon S	A1A			
DARC	7039,0	2026	02	09	RUS	beacon C	A1A			Moscow
DARC	7040,0	ady	dly	09	I	IZ3DVW	A1A			misled amateur, unwanted and as (un-) necessary as a crob
DARC	7049,0	0746	25	09	RUS	UiPTR	F1B	75	200	unid printer, location Arkhangelsk
DARC	7054,0	1934	05	09		UiPTR	F1B	50	200	printer and reversals, is RUS MIL Moscow
DARC	7054,0	1904	23	09	RUS	UiPTR	F1B	50	200	fast reversals
DARC	7054,0	vt	dly	09	RUS	UiPTR	F1B	50	200	printer Moscow
DARC	7059,0	0730	14	09	RUS	UiPTR	F1B	75	250	unid printer, location West Russia
DARC	7069,0	0843	17	09	RUS	UiPTR	F1B	41	500	unid printer, system FROST-1 - 40,5 Bd
DARC	7078,0	2128	01	09	RUS	UiMUX	J7D			MPSK-12, AT-3004-D
DARC	7080,0	1729	19	09	RUS	UiPTR	F1B	50	200	unid printer, location Kaliningrad
DARC	7088,0	1251	03	09		UiMUX	G7B			frequency hopper
DARC	7089,8	1240	dly	09	UKR	WX-FAX	F1C			WX-FAX, 60 rpm, OIC-5766 - location Sevastopol
DARC	7090,0	1721	09	09		UiMUX	G7B			frequency hopper
DARC	7090,0	1950	20	09	RUS	UiMUX	J7D			MPSK-12, AT-3004-D
DARC	7090,0	vt	vd	09	TUR	UiMUX	G7D			Link-11-SLEW, location West Turkey - in contact with Sicily Island - heard 05 06 07 at 1308, 1505, 1845
DARC	7100,0	1752	23	09	KOR	Radio Korea (North)	A3E			S7
DARC	7100,0	1931	29	09	KOR	Radio Korea (North)	A3E			S7 signal
DARC	7101,7	0737	18	09	G	MGJ	F1B	75	850	UK Navy Faslane, Scotland
DARC	7110,0	0531	06	09	ETH	Radio Ethiopia	A3E			S7-signal
DARC	7110,0	0604	10	09	ETH	Radio Ethiopia	A3E			S1-signal
DARC	7110,0	0732	11	09		UiMUX	XXX			rushing noise, heard 0734, 1605, 2012
DARC	7110,0	0433	12	09	ETH	Radio	A3E			found // 9704,2 - report

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	REMARKS AND COMMENTS
						Ethiopia				Radio Kurier
DARC	7110,0	1744	29	09		UiMUX				ALE -heard
DARC	7110,0	vt	dly	09	ETH	Radio Ethiopia	A3E			heard all month with signals up to S9+10dB, times: 0433, 1500 - 2100
DARC	7110,5	0742	11	09		UiMUX	J7D			MPSK-12, AT-3004-D
DARC	7111,0	0656	16	09	RUS	UiPTR	F1B	75	250	unid printer, location Kaliningrad
DARC	7111,0	1404	19	09	RUS	UiPTR	F1B		250	unid printer
DARC	7111,0	vt	vd	09	RUS	UiPTR	F1B	75	250	unid printer heard 09 19 at 0607, 1211 - location Moscow
DARC	7112,0	1001	02	09		UiPTR	F1B	75	250	ship location North East Baltic Sea
DARC	7113,0	0932	23	09	RUS	UiMUX	J7D			MPSK-12, AT-3004-D. location Area of Moscow
DARC	7113,0	1520	23	09		UiMUX	XXX			
DARC	7113,0	1856	30	09	RUS	UiPTR	F1B	100	250	unid printer, location East Russia
DARC	7114,0	1649	23	09	POL	UiPTR	F1B	50	200	unid printer, location North of Warsaw
DARC	7114,0	1738	23	09		UiPTR	A3E			unid printer
DARC	7115,0	1836	25	09		UiBC	A3E			splatters, hissing noise
DARC	7117,0	vt	vd	09	RUS	UiPTR	F1B	50	1000	printer and reversals, heard 17 - 29 at 1400 - 2300 - 10 reports - is RUS MIL Moscow
DARC	7117,0	vt	vd	09	RUS	UiPTR	F1B	50	1000	very active stn, heard all month 1420 - 2029
DARC	7118,0	1300	15	09	RUS	UiMUX	J7D			MPSK-12, AT-3004-D, location East of Moscow
DARC	7118,0	1730	27	09	RUS	UiMUX	F1B			unid printer
DARC	7118,0	0857	30	09	RUS	UiMUX	J7D			MPSK-12, AT-3004-D, location East Russia
DARC	7119,0	0645	30	09	RUS	UiPTR	F1B			unid printer
DARC	7120,0	1823	15	09	TCD	Radio Tchad	A3E			Arabic px, S9-signal - s/off 1850
DARC	7120,0	1950	15	09	TCD	Radio Tchad	A3E			French px, S9-signal
DARC	7120,0	2025	15	09	TCH	Radio Tchad	A3E			French language px "League de Futbol de Ndjamen..."
DARC	7120,0	1905	16	09	TCD	Radio Tchad	A3E			Fr px, S9-signal
DARC	7121,0	1544	02	09	UKR	UiMUX	J7D			MPSK-12, AT-3004-D, location Sevastopol
DARC	7122,0	0918	21	09	RUS	UiPTR	F1B	75	250	unid printer, location Kaliningrad
DARC	7122,0	vt	vd	09	RUS	RDL	F1B	50	200	heard 02 - 21 (= 17 reports) 0607 - 1523 - is RUS Navy Kaliningrad
DARC	7124,0	0829	07	09	RUS	UiMUX	J7D			MPSK-12, AT-3004-D, location close to Mongolian border
DARC	7124,0	0645	30	09	RUS	UiMUX	J7D			MPSK-12, AT-3004-D
DARC	7125,0	1958	06	09	GUI	Radio Conakry	N0N			carrier S8
DARC	7125,0	0605	11	09		UiMUX	J7D			MPSK-12, AT-3004-D, location Kaliningrad
DARC	7125,0	1745	26	09	GUI	Radio Conakry	A3E			S5
DARC	7125,0	1745	29	09	GUI	Radio Conakry	A3E			carrier S5
DARC	7125,0	2128	29	09		UiBC	A3E			splatters

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	REMARKS AND COMMENTS
DARC	7132,0	0845	17	09		UiMUX	J7D			MPSK-12, AT-3004-D
DARC	7135,0	2049	29	09		UiBC	A3E			music with jammer, S9+5dB
DARC	7135,0	vt	vd	09	BLR	R. Belarus	A3E			heard all month 1500-1600, 1700 - 2030, often weak modulation
DARC	7140,0	1823	15	09		UiBC	A3E			2 px, one is Arabic, S8
DARC	7140,0	vt	21	09	KRE	Voice of Korea (North)	A3E			1037 - 1050: Korean px, male announcer, 1048: anthem, carrier 1050 - report Scott R. Barbour, Intervale, N.H., USA
DARC	7145,0	1948	06	09	SOM	R. Hargeisa	A3E			S9-signal, Ar px
DARC	7145,0	1745	29	09	SOM	UiBC	A3E			S8-signal
DARC	7148,0	0923	29	09	RUS	UiMUX	J7D			MPSK-12, AT-3004-D, location is Murmansk
DARC	7149,5	0846	03	09	RUS	UiMUX	J7D			MPSK-12, AT-3004-D, location Kaliningrad
DARC	7149,5	1321	27	09	S	UiMUX	J7D			MPSK-12, AT-3004-D, is a ship in the Area of Stockholm
DARC	7149,5	vt	dly	09	RUS	UiMUX	J7D			MPSK-12, AT-3004-D heard 17 - 29 at 1403 - 2045 - 8 reports
DARC	7162,0	1510	21	09		UiPTR	F1B		250	unid printer S9+20dB
DARC	7162,0	1323	27	09	RUS	UiPTR	F1B	75	250	unid printer, location Moscow
DARC	7162,0	vt	vd	09	RUS	UiPTR	F1B	75	250	unid printer heard 18 21 29 at 0751, 1449, 0924 - location Moscow
DARC	7165,0	1750	01	09	ETH	Radio Ethiopia	A3E			report Radio Kurier
DARC	7165,0	1800	01	09	ERI	Voice of Broad Masses	A3E			ID, HOA music
DARC	7165,0	1616	02	09	ETH	Radio Ethiopia	A3E			report Radio Kurier
DARC	7165,0	1645	02	09	ETH	ETH Govt. Jammer	JAM			ETH disturbing ERI by whitte noise jammer, daily
DARC	7165,0	1828	06	09	E.Af	UiBC	A3E			music
DARC	7165,0	1948	06	09	E.Af	UiBC	A3E			S9-signal
DARC	7165,0	2000	06	09	E.Af	UiBC	A3E			s/off program
DARC	7165,0	1732	08	09	E.Af	UiBC	A3E			male announcer
DARC	7165,0	1550	10	09	E.Af	UiBC	A3E			Ar px and HOA music, S9
DARC	7165,0	1823	15	09	E.Af	R. Ethiopia	A3E			HOA music, S9
DARC	7165,0	1702	16	09	ETH	R. Ethiopia	A3E			Fr px "Radio Ethiopie..."
DARC	7165,0	1430	18	09	ERI	Voice of the Broad Masses	A3E			2 px heard
DARC	7165,0	1805	18	09	E.Af	UiBC	A3E			Ar px, distorted modulation, S9+10dB
DARC	7165,0	1725	19	09	E.Af	UiBC	A3E			HOA music
DARC	7165,0	1735	23	09	ETH	Radio Ethiopia	A3E			French px S9+10dB
DARC	7165,0	1608	26	09	ETH	Radio Ethiopia	A3E			En px
DARC	7165,0	1643	26	09	ETH	Radio Ethiopia	A3E			HOA music
DARC	7166,0	1359	29	09		UiCW	A1A			CW with 80 signs / minute, figures, T = 0

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	REMARKS AND COMMENTS
DARC	7170,0	vt	vd	09		UiPTR	F1B		200	heard 23 25 at 1514 and 1509, S5 - S9+10dB
DARC	7170,0	vt	vd	09	RUS	UiPTR	F1B	75	200	unid printer heard 24 25 26 at 0626, 0747, 0640 - location Arkhangelsk
DARC	7171,0	1846	25	09		UiMUX	XXX			
DARC	7175,0	1700	01	09	ERI	Voice of the Broad Masses	A3E			Al-Qur'an recitals, ID
DARC	7175,0	1700	01	09	ERI	Voice of the Broad Masses	A3E			Somali, Al-Qur'an recitals
DARC	7175,0	1550	10	09	ERI	VOBM	A3E			S9+10dB
DARC	7175,0	1605	10	09	ETH	ETH Govt. Jammer	JAM			white noise jammer S9+10dB
DARC	7175,0	0610	17	09		UiBC	A3E			S1-signal
DARC	7175,0	1355	17	09	ETH / ERI	Voice of Broad Masses	A3E			BC with jammer
DARC	7175,0	1355	17	09	ETH / ERI	Voice of Broad Masses	A3E			BC with jammer
DARC	7175,0	1701	17	09	ETH / ERI	ETH Govt. Jammer	JAM			white noise plus male voice
DARC	7175,0	1731	19	09	ETH	ETH Govt. Jammer	A3E			rushing noise sign on
DARC	7175,0	1427	22	09	ETH	ETH Govt. Jammer	JAM			white-noise jammer covering 7175 - 7190
DARC	7175,0	vt	26	09	ERI	Voice of the Broad Masses	A3E			heard 1644 - 1745, VOBM slightly audible under jammer
DARC	7175,0	1535	27	09	ERI	Voice of the Broad Masses	A3E			HOA music
DARC	7175,0	1928	29	09	ERI	Voice of the Broad Masses	A3E			Ar px S9
DARC	7176,0	vt	vd	09	RUS	UiPTR	F1B	75	250	unid printer, location Area of Moscow - heard 20 21 at 0923, 1659
DARC	7178,0	vt	vd	09	RUS	UiMUX	J7D	120		MPSK-12, AT-3004-D, heard 10 11 at 2024, 0743 - location Moscow
DARC	7180,0	vt	vd	09		UiBC	A3E			heard 16 17 30 at 2131, 2225, 2248 S9+20dB
DARC	7184,0	1852	19	09	RUS	UiMUX	J7D			MPSK-12, AT-3004-D
DARC	7185,0	1555	10	09	ETH	ETH Govt. Jammer	A3E			rushing noise S8
DARC	7186,0	ady	dly	09	RUS	UiMUX	J7D			MPSK-12, AT-3004-D, location Murmansk
DARC	7186,0	vt	dly	09	RUS	UiMUX	J7D	120	2600	MPSK-12, AT-3004-D, heard all month 0734, 1057, 1605, 2012 - 12 reports - location Moscow
DARC	7188,0	0847	03	09	RUS	UiPTR	F1B	75	250	printer Kaliningrad

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	REMARKS AND COMMENTS
DARC	7188,0	1304	18	09	RUS	UiMUX	J7D			MPSK-12, AT-3004-D
DARC	7189,5	1750	25	09	RUS	UiMUX	J7D			MPSK-12, AT-3004-D, location N.Ea Russia
DARC	7192,3	1830	09	09	RUS	UiMUX	J7D			MPSK-12, AT-3004-D
DARC	7196,0	1831	09	09	RUS	UiPTR	F1B	75	200	unid printer, location Kaliningrad
DARC	7198,0	1854	30	09	RUS	UiMUX	J7D			MPSK-12, AT-3004-D, location Moscow
DARC	7200,0	0531	06	09	SDN	Radio Omdurman	A3E			Holy Quran recitals, HOA mx, Ar px, S9
DARC	7200,0	1830	06	09	IRN	IRIB	A3E			music, also splatters from 7205
DARC	7200,0	0605	10	09	SDN	Radio Omdurman	A3E			Ar px S7
DARC	7200,0	2005	10	09	SDN	Radio Omdurman	A3E			HOA music, S9+20dB
DARC	7200,0	1702	16	09	IRN	IRIB	A3E			"Iran" often mentioned
DARC	7200,0	1358	17	09		UiBC	N0N			carrier
DARC	7200,0	1632	17	09	IRN	IRIB	A3E			Al Qur`an recitals S9+20dB
DARC	7200,0	1704	17	09	IRN	IRIB	A3E			
DARC	7200,0	2045	17	09	SDN	Radio Omdurman	A3E			program in Arabic, S9+10dB
DARC	7200,0	1430	18	09		UiBC	A3E			S2-signal
DARC	7200,0	1725	19	09	IRN	IRIB	A3E			S7, not Arabic
DARC	7200,0	1735	23	09	SDN	Radio Omdurman	A3E			HOA music, S9+10dB-signal
DARC	7200,0	1850	25	09	IRN	IRIB	A3E			
DARC	7200,0	1613	26	09		BC	A3E			no BC audible
DARC	7200,0	1643	26	09	IRN	IRIB	A3E			S9
DARC	7200,0	1713	27	09	IRN	IRIB	A3E			
DARC	7200,0	2135	30	09		UiBC	A3E			splatters from 7205 and 7210
DARC	7200,0	vt	vd	09	IRN	IRIB	A3E			station Ahwaz 1630 - 1730
DARC	7200,0	vt	vd	09	IRN	IRIB	A3E			station Kamalabad, 1830 - 1930
DARC	10100,8	0720	25	09	D	DDH, DDK2, DDK9	F1B			German weather - legal
DARC	10100,8	vt	dly	09	D	DDH, DDK2, DDK9	F1B			German weather heard 0605 - 1540
DARC	10102,0	0730	11	09		LR43	A1A			keying "FRUKTOZA"
DARC	10102,9	0735	14	09	RUS	UiPTR	F1B	41	500	unid printer, location West Russia, - 40,5 Bd
DARC	10112,0	2010	18	09	TUR	UiMUX	G7D			Stanag-4285, 2k4, 8PSK
DARC	10114,8	0610	09	09	RUS	UiPTR	F1B	96	1500	FSK4, location Moscow
DARC	10114,8	0634	dly	09	RUS	UiPTR	F1B	96	1000	system CIS-14
DARC	10115,0	0630	11	09	RUS	UiMUX	FSK4			FSK4, 4 x 96 Bd, location Moscow
DARC	10118,0	1912	14	09		UiMUX	G7B			frequency hopper
DARC	10121,0	vt	vd	09	POL	UiPTR	F1B	75	200	unid printer location North Poland - heard 05 15 at 0711, 0928
DARC	10122,0	2054	22	09		UiMUX	G7B			frequency hopper
DARC	10127,0	1504	14	09		UiMUX	G7B			frequency hopper
DARC	10128,0	1455	14	09	GEO	UiMUX	FSK36	40	1300	CIS-36, 36 tones
DARC	10128,0	1813	15	09		UiPTR	F1B			fast reversals

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	REMARKS AND COMMENTS
DARC	10130,0	1254	03	09	G / CYP	British OTH Radar	P0N			50 pps-system
DARC	10130,0	0605	10	09	RUS	UiPTR	F1B			unid printer
DARC	10130,0	2200	12	09	USA	UiPTR	F1B	50	850	unid printer, located USA, daily
DARC	10130,0	1036	vd	09	RUS	UiPTR	F1B	44	500	location Kaliningrad, heard 01 02 03 at 1036, 0639, 1400
DARC	10134,0	vt	vd	09	RUS	UiMUX	J7D	120		MPSK-12, AT-3004-D, heard 07 08 at 1258, 1459 - location Vladivostok
DARC	10135,4	1809	15	09		UiBC	A3E			unid BC, IM?
DARC	10136,0	1504	25	09	RUS	UiPTR	F1B	50	200	unid printer, location East Russia
DARC	10137,0	1701	10	09		UiMUX	G7B			frequency hopper
DARC	10150,0	1520	26	09		Radar Superdarn	P0N			splatters from Radar Superdarn
DARC	13955,0	0615	17	09		OTH-Radar	P0N			chirping pulses S9+10dB, found // 13955 and 13900
DARC	13970,0	0715	18	09	CHN	Hainan Music Jammer	JAM			just info
DARC	14000,0	1030	01	09	ISR	YHF	A3E			is Mossad, Israel
DARC	14000,0	1025	02	09		UiMUX	G7B			frequency hopper
DARC	14000,0	1706	02	09	G / CYP	British OTH Radar	P0N			splatters from 13950 kHz into ham band -25 pps
DARC	14000,0	1754	10	09	USA	UiMUX	FSK8	125	1750	ALE heard, selcall WNG777 - is US Government
DARC	14000,0	0854	15	09		OTH-Radar	P0N			S6
DARC	14000,0	0810	21	09		UiMUX	FSK8	125	1750	Thales Skymaster, FSK8
DARC	14000,1	0638	02	09		UiCAR	N0N			unid carrier
DARC	14001,9	1943	18	09	USA	NIK	F1C			weather fax 120 rpm, OIC576 - is US COAST GUARD
DARC	14003,0	0747	23	09		UiPTR	F1B	75	250	unid printer with fast reversals
DARC	14003,0	1245	23	09		UiPTR	F1B	75	250	unid printer, is RUS MIL
DARC	14005,0	0828	02	09		UiMUX	G7B			frequency hopper
DARC	14005,0	0957	23	09	RUS	UiMUX	J7D			MPSK-12, AT-3004-D. location Moscow
DARC	14006,0	0605	03	09	RUS	UiPTR	F1B	75	250	printer Moscow
DARC	14006,0	vt	10	09	RUS	UiPTR	F1B	75	250	printer heard 0610 - 0720 S9+10dB-signal
DARC	14006,0	1245	17	09	RUS	UiPTR	F1B	75	250	printer
DARC	14006,0	vt	vd	09	RUS	UiPTR	F1B	75	250	unid printer heard 17 24 at 0650, 0845, 0622 - location is Samara
DARC	14008,0	vt	vd	09	RUS	UiPTR	F1B	50	500	unid printer heard 14 16 at 0802, 00800, 0657 - location Kaliningrad
DARC	14018,0	0732	14	09	RUS	UiMUX	J7D			MPSK-12, AT-3004-D
DARC	14020,0	1420	23	09	G / CYP	British OTH Radar	P0N			splatters from OTH Cyprus on 13980 kHz - 50 pps
DARC	14026,0	vt	vd	09	RUS	UiMUX	J7D	120		MPSK-12, AT-3004-D, heard 20 28 at 1340 - 1000 - location North of Bryansk
DARC	14030,0	1721	22	09		UiMUX	G7B			frequency hopper
DARC	14037,0	0814	19	09	RUS	UiPTR	F1B	100	250	unid printer, location St.

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	REMARKS AND COMMENTS
										Petersburg
DARC	14037,0	0745	25	09	RUS	UiPTR	F1B	100	250	unid printer, location Arkhangelsk
DARC	14037,0	0656	29	09	RUS	UiPTR	F1B	100	250	unid printer, location Murmansk
DARC	14048,0	0750	27	09	RUS	UiMUX	J7D			MPSK-12, AT-3004-D, location St. Petersburg
DARC	14050,0	1737	25	09		UiMUX	G7B			frequency hopper
DARC	14050,0	0657	29	09	RUS	UiPTR	F1B	100	250	unid printer, location Moscow
DARC	14070,0	0958	12	09		UiMUX	G7B			frequency hopper
DARC	14091,0	vt	vd	09	RUS	UiMUX	J7D			MPSK-12, AT-3004-D, heard 15 24 at 0647, 0620, location North of Novgorod
DARC	14102,0	1015	15	09	GRC	UiPTR	F1B	100	850	MIL-M-55529A, location North of Athens
DARC	14105,0	1525	14	09		UiMUX	G7B			frequency hopper
DARC	14111,0	0614	09	09	LTU	UiMUX	J7D			MPSK-12, AT-3004-D
DARC	14118,0	0733	14	09	RUS	UiPTR	F1B	75	500	unid printer
DARC	14122,0	0713	05	09	RUS	UiMUX	J7D			MPSK-12, AT-3004-D, location Vladivostok
DARC	14133,0	1422	22	09	KAZ	UiPTR	F1B	75	250	unid printer Kazakhstan
DARC	14135,0	0733	14	09	RUS	UiPTR	F1B	75	250	unid printer, location Kazan
DARC	14137,0	0852	04	09	RUS	UiMUX	J7D	120		MPSK-12, AT-3004-D, location Area of Novgorod
DARC	14139,0	1314	20	09	CHN	UiMUX	FSK8	125	1750	ALE, selcalls 597 and 809
DARC	14140,0	vt	vd	09	TJK	Radio Tajikistan	A3E			BC-IM heard 14 16 at 1529, 1508
DARC	14143,0	vt	vd	09	RUS	UiMUX	J7D			MPSK-12, AT-3004-D, heard 03 04 14 15 22 at 1244 - 1914
DARC	14160,0	0714	05	09	BLR	UiPTR	F1B	75	200	unid printer location N.Ea BLR
DARC	14160,0	0615	09	09	LTU	UiPTR	F1B	75	250	unid printer
DARC	14160,0	0658	29	09	RUS	UiPTR	F1B	100	250	unid printer, location Moscow
DARC	14160,0	vt	29	09	RUS	UiPTR	F1B	75	250	heard 0640 (fast reversals), 0819 (printer)
DARC	14162,0	00825	05	09	RUS	UiMUX	J7D			MPSK-12, AT-3004-D, location North of Bryansk
DARC	14166,0	1651	dly	09	CHN	UiMUX	FSK8	125	1750	ALE, selcalls 867, 963 - is PRC-PLA
DARC	14186,0	0905	18	09	RUS	UiMUX	J7D			MPSK-12, AT-3004-D, location St. Petersburg
DARC	14190,0	vt	27	09	RUS	Russian OTH-Radar	P0N			system ABM2 "Steelyard" - spurious de 14255 S6 - heard 1020 - 1122
DARC	14190,0	vt	27	09	RUS	Russian OTH-Radar	P0N			system ABM2 "Steelyard" - spurious de 14255 S6 - heard 1020 - 1122
DARC	14192,0	0903	14	09	RUS	UiPTR	F1B	50	500	unid printer, is RUS Navy Kaliningrad
DARC	14202,0	1053	12	09	GRC	UiPTR	F1B	100	850	unid printer, MIL-M55529A, location Thessaloniki
DARC	14211,0	0850	21	09	RUS	UiMUX	F1B	50	250	unid printer
DARC	14227,0	1115	16	09		UiMUX	XXX			rushing noise
DARC	14228,0	0616	09	09	RUS	UiPTR	F1B	110	250	unid printer, location Arkhangelsk

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	REMARKS AND COMMENTS
DARC	14240,0	0825	20	09	RUS	UiPTR	F1B	75	250	unid printer, location West of Russia
DARC	14240,0	0624	24	09	RUS	UiPTR	F1B	50	250	unid printer, location F.Ea Russia
DARC	14242,0	0720	26	09	RUS	UiMUX	J7D	120		MPSK-12, AT-3004-D, location West of Moscow
DARC	14255,0	1009	26	09	RUS	Russian OTH-Radar	P0N			ABM-2, 50 pps, location Smolensk
DARC	14255,0	1046	26	09	RUS	Russian OTH-Radar	P0N			system ABM2 "Steelyard" - S9+30dB
DARC	14255,0	vt	vd	09	RUS	Russian OTH-Radar	P0N			system ABM2 "Steelyard" heard 26 27 28 at 0714, 0730, 1000
DARC	14260,8	1050	24	09	RUS	UiMUX	OFDM	30		OFDM 60 tones plus 1 pilot tone, location Kaliningrad
DARC	14295,0	0740	25	09		UiMUX	G7B			frequency hopper
DARC	14295,1	1526	04	09	TJK	R. Tajikistan	A3E			3f de 4765 kHz, daily
DARC	14300,0	vt	vd	09	RUS	Russian OTH-Radar	P0N			Russian OTH on 14430 kHz - splatters down till 14300 - heard 17 - 21 at 0818 - 0850 - location is Smolensk
DARC	14320,0	1046	26	09		Russian OTH-Radar	P0N			system ABM-1 "Steelyard" - spurious de 14255 S6
DARC	14321,0	1328	16	09		UiMUX	G7B			frequency hopper
DARC	14328,0	1635	10	09		UiMUX	G7B			frequency hopper
DARC	14328,4	1616	29	09	LBY	North Korean Embassy Tripoli	DPRK	600	600	DPRK-FSK-600, location Tripoli - heard all month 1616 - 1618
DARC	14328,4	vt	vd	09	KOR /LBY	Korean Embassy Tripoli	F1B	600	600	DPRK-FSK-600, location Tripoli - heard all month 1616 - 1618
DARC	14337,0	0821	19	09	CHN	UiMUX	FSK8	125	1750	ALE, selcalls 143 and 246 - is PRC-PLA
DARC	14340,0	0652	10	09	RUS	Russian OTH-Radar	P0N			type ABM-2 "Steelyard", 50 pps
DARC	14340,0	1417	23	09		UiMUX	G7B			frequency hopper
DARC	14349,0	0729	26	09	RUS	UiMUX	OFDM			OFDM 60 tones plus 1 pilot tone, location F.Ea Russia
DARC	14430,0	0751	27	09	CHN	Hainan Music Jammer	JAM			Hainan Music Jammer, just info!
DARC	18097,0	1720	16	09		UiMUX	G7B			frequency hopper
DARC	18102,0	vt	vd	09	RUS	UiPTR	F1B	50	200	unid printer heard 07 09 22 at 1831, 0840, 0859 - location Moscow
DARC	18107,0	0645	26	09	RUS	UiPTR	F1B	50	200	unid printer, location East of Moscow
DARC	18107,0	1033	26	09		UiPTR	F1B		200	unid printer heard 26 29 30 at 1033, 1310, 1430 - S9+10dB-signal
DARC	18130,0	0721	10	09		UiPTR	F1B			unid printer
DARC	18160,0	1219	28	09	UKR	UiPTR	F1B	50	1000	harmonic de 9080
DARC	21000,0	0628	24	09		UiMUX	G7B			frequency hopper
DARC	21001,5	vt	vd	09		UiPTR	F1B	100	140	unid printer heard 02 04 06 13 21 at 0722 - 1254 - location is Vladivostok

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	REMARKS AND COMMENTS
DARC	21006,0	0957	21	09		UiMUX	G7B			frequency hopper
DARC	21100,0	0915	29	09	G / CYP	British OTH Radar	P0N			80 kHz spread S9+30dB
DARC	21270,0	vt	29	09	G / CYP	British OTH Radar	P0N			80 kHz spread S9+30dB, heard 0830 - 0836
DARC	21350,0	1015	30	09	G / CYP	British OTH Radar	P0N			25 pps-system, 80 Khz wide
DARC	29684,8	1820	vd	09	I	UiMUX	Serial Modem			Serial Modem heard bcos Sporadic-E - location Italian MIL Brescia
DARC	29699,8	1820	vd	09	I	UiMUX	Serial Modem			Serial Modem heard bcos Sporadic-E - 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	VT	VD	9	FSK8 (ALE)	IRQ	UiMUX	125	1750	US ARMY net SHOTOC, GUNTOC, WARTOC, ATKTOC.
MRASZ	7000,0	VT	VD	9	FSK8 (ALE)	IRQ	UiMUX	125	1750	US ARMY 38th Infantry Division 1st BATTALION, 137th AVIATION CONTAINS UH60 HELICOPTERS "BLACK HAWK". T1Z137. SEVERAL OTHERS WERE ACTIVE: T12150, R896, R921, TC1252, R816, R537 ETC.
MRASZ	7005,0	VT	VD	9	FSK8 (ALE)	Ui	UiMUX	125	1750	123456-123483
MRASZ	7008,0	VT	VD	9	FSK8 (ALE)	Ui	UiMUX	125	1750	2222 SOUNDED
MRASZ	7010,0	VT	VD	9	FSK8 (ALE)	Ui	UiMUX	125	1750	CS - RS net
MRASZ	7014,0	VT	VD	9	FSK8	MAU	ALE	125	1750	CONTROLROOM-BENNICHAB, MAURITANIAN UNIDENTIFIED USER
MRASZ	7020,0	VT	VD	9	FSK8 (ALE)	Ui	UiMUX	125	1750	CS - RS net
MRASZ	7024,0	VT	VD	9	FSK8 (ALE)	Ui	UiMUX	125	1750	2222 SOUNDED
MRASZ	7026,0	VT	VD	9	FSK8 (ALE)	Ui	UiMUX	125	1750	624-314
MRASZ	7045,0	VT	VD	9	FSK8 (ALE)	Ui	UiMUX	125	1750	1001, 2001 SOUNDED
MRASZ	7050,0	VT	VD	9	FSK8 (ALE)	GER	UiMUX	125	1750	ZLST CONTACTED ZPR, ZHE, BPZI, ZSHO, ZHEL. GERMAN CUSTOMS – LEGAL
MRASZ	7054,0	0415	12	9	F1B	RUS		50	200	
MRASZ	7054,0	1936	14	9	F1B	RUS		50	200	
MRASZ	7059,0	0417	12	9	J3E-U		Ui			
MRASZ	7060,0	VT	VD	9	FSK8 (ALE)	GER	UiMUX	125	1750	ZLST CONTACTED ZPR, ZHE, BPZI, ZSHO, ZHEL. GERMAN CUSTOMS NEW INTRUDER.
MRASZ	7060,0	VT	VD	9	FSK8 (ALE)	Ui	UiMUX	125	1750	9056 SOUNDED.

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	DETAILS
MRASZ	7061,0	VT	VD	9	FSK8 (ALE)	UK	UiMUX	125	1750	UK FOREST MOORE TASCMM HF HQ. XSS CALLSIGN
MRASZ	7070,0	VT	VD	9	FSK8 (ALE)	GEO	UiMUX	125	1750	244-288 NET POSSIBLE GEORGIAN.
MRASZ	7080,0	VT	VD	9	FSK8 (ALE)	ALB	UiMUX	125	1750	ALBANIAN MoPO. 5810 SOUNDING
MRASZ	7090,0	VT	VD	9	FSK8 (ALE)	Ui	UiMUX	125	1750	4001 SOUNDED.
MRASZ	7092,0	VT	VD	9	FSK8 (ALE)	TUR	UiMUX	125	1750	4001 NET LOTS OF CALLSIGNS.
MRASZ	7095,0	VT	VD	9	FSK8 (ALE)	Ui	UiMUX	125	1750	1001 SOUNDED. ORTKHON SOUNDED.
MRASZ	7097,0	VT	VD	9	FSK8 (ALE)	UK	UiMUX	125	1750	CROSPR <u>C</u> roughton <u>S</u> ecret <u>I</u> nternet <u>P</u> rotocol <u>R</u> outer
MRASZ	7097,0	VT	VD	9	FSK8 (ALE)	UK	UiMUX	125	1750	6ST-BAS UNID
MRASZ	7100,0	1935	14	9	A3E		UiBC			
MRASZ	7107,0	VT	VD	9	FSK8 (ALE)	UK	UiMUX	125	1750	CROSPR <u>C</u> roughton <u>S</u> ecret <u>I</u> nternet <u>P</u> rotocol <u>R</u> outer
MRASZ	7107,0	VT	VD	9	FSK8 (ALE)	Ui	UiMUX	125	1750	UNID 6320 SOUNDED.
MRASZ	7110,0	0417	12	9	A3E		UiBC			
MRASZ	7110,0	0615	17	9	A3E		UiBC			
MRASZ	7116,0	VT	VD	9	FSK8 (ALE)	Ui	UiMUX	125	1750	1101, 1703 AND 4 - FIGURES NET UNID.
MRASZ	7117,0	1926	14	9	F1B		Ui			
MRASZ	7122,0	1123	13	9	A1A		Ui			„VKVKV VVVK BK”
MRASZ	7122	1933	14	9	F1A		Ui			„6T83T 18376 95T9T” „RDL RDL RDL”
MRASZ	7130,0	0612	17	9	J7D		UiMUX			AT3004D
MRASZ	7135,0	1930	14	9	A3E		UiBC			
MRASZ	7141,0	VT	VD	9	FSK8 (ALE)	Ui	UiMUX	125	1750	7801, 7803 UNID NEW.
MRASZ	7146,0	VT	VD	9	FSK8 (ALE)	Ui	UiMUX	125	1750	BSNKGR08-KCKGR08 CONTACTS. UNID NEW INTRUDER.
MRASZ	7149,0	VT	VD	9	FSK8 (ALE)	ALB	UiMUX	125	1750	ALBANIAN MoPO. 5810 SOUNDING
MRASZ	7164,0	1130	13	9	J3E-U	RUS?				Russian male language non HAM
MRASZ	7165,0	VT	VD	9	FSK8 (ALE)	Ui	UiMUX	125	1750	415-450. UNID
MRASZ	7180,0	VT	VD	9	FSK8 (ALE)	Ui	UiMUX	125	1750	9204 SOUNDED. UNID.
MRASZ	7186,0	1932	14	9	J7D		UiMUX			AT3004D
MRASZ	7197,0	VT	VD	9	FSK8 (ALE)	TUR	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	7200,0	VT	VD	9	FSK8 (ALE)	GER	UiMUX	125	1750	ZLST CONTACTED ZPR, ZHE, BPZI, ZSHO, ZHEL. GERMAN CUSTOMS NEW INTRUDER.
MRASZ	7200,0	0419	12	9	A3E		UiBC			
MRASZ	7200,0	1934	14	9	A3E		UiBC			
MRASZ	14000,0	D	11	9	N0N		Ui			
MRASZ	14006,0	0622	17	9	F1B	RUS		75	250	
MRASZ	14006,0	0649	20	9	F1B	RUS		75	250	
MRASZ	14221,0	0446	12	9	F1B	RUS		50	200	

OEVSU – Austria – OE3DMA (Alex)

REP – Portugal – CT4AN (Jose Francisco)

SOC	KHz	UTC	DD	MM	ITU	IDENT	MODE	DETAILS
REP	3515	07.00	14	09	E		J3E-U	Fishers on Biscaya gulf - Spanish talks
REP	3527	19.45	05	09	E		J3E-U	Fishers out off Ceuta
REP	3530,0	06.16	15	09			Pulse	0.5 sec rate
REP	3530,0	07.26	15	09			Pulse	0.5 sec rate
REP	3531,4	08.12	14	09			Pulse	0.75 sec rate
REP	3531,4	08.32	14	09			Pulse	0.75 sec rate
REP	3531,4	08.22	20	09			Pulse	0.5 sec rate, every 9 pulses 1 dot
REP	3531,4	20.12	20	09			Pulse	0.5 sec rate, every 9 pulses 1 dot
REP	3531,4	08.02	20	09			Pulse	0.5 sec rate, every 9 pulses 1 dot
REP	3531,4	07.33	21	09			Pulse	0.5 sec rate, every 9 pulses 1 dot
REP	3531,4	17.23	21	09			Pulse	0.5 sec rate, every 9 pulses 1 dot
REP	3550	07.15	12	09	F		A3E	French Amateurs - Daily activity INFRINGE IARU BAND PLANS
REP	3575	07.30	28	09	F		A3E	French Amateurs - all Sundays INFRINGE IARU BAND PLANS
REP	3756	01.23	12	09	UKR		A2A	Pulse, 1bps 25uV S8
REP	7020	20.10	23	09	E		J3E-U	Fishers boat to harbour Las Palmas
REP	7038,7	01.10	12	09	UKR	D	A1A	SEVASTOPOL - Beacon ADY, DLY 12.5uV S7
REP	7038,8	01.13	12	09	RUS	P	A1A	KALINGRAD - Beacon ADY, DLY 25uV S8
REP	7039,0	01.05	12	09	RUS	C	A1A	MOSCOW - Beacon ADY, DLY 158uV S9+10dB
REP	7100	19.20	10	09			8k00 A3EGN	BROADCASTING 3.1uV S5
REP	7100	01.15	12	09	E		J3E-L	ALE ? Spanish talks 12.5uV S7
REP	7100	19.20	23	09			8k00 A3EGN	BROADCASTING 3.1uV S5
REP	7110	19.12	10	09			8k00 A3EGN	BROADCASTING 25uV S8
REP	7110	21.00	19	09	ETH		8k00 A3EGN	BC Radio Ethiopia music- pop up
REP	7120	18.10	13	09	ERI		8k00 A3EGN	BC Radio Eritrea politics talks
REP	7125	19.18	18	09			8k00 A3EGN	BROADCASTING 25uV S8
REP	7145	18.45	26	09	LAO		8k00 A3EGN	BC Radio Laos good morning announcing
REP	7175	19.10	18	09			8k00 A3EGN	BROADCASTING 12.5uV S7
REP	7175	22.10	27	09	ETH		8k00 A3EGN	BC Radio Ethiopia talks songs
REP	7200	19.08	18	09			8k00 A3EGN	BROADCASTING 12.5uV S7
REP	7200	01.30	19	09	SDN		8k00 A3EGN	BC Radio Ondhurman political talks
REP	7200	02.40	28	09	MLA		8k00 A3EGN	BC Sarawak radio talks
REP	7200	01.50	29	09	RUS		8k00 A3EGN	BC Radio Yakutsk pop up talks music
REP	10142	13.20	03	09	MLA		J3E-U	Malaysian fishery
REP	14005	17.00	15	09			J3E-U	Tribal talks referring to Brazzaville
REP	14170	18.35	24	09			J3E-U	Net phone patching English talks 4 persons
REP	28315	20.07	11	09	E		J3E-L	Spanish talks - fishers on sea 3.1uV S5
REP	28315	14.00	16	09	E		J3E-L	Spanish fishers to harbour 3.1uV S5

SOC	KHz	UTC	DD	MM	ITU	IDENT	MODE	DETAILS	
REP	28315	18.12	27	09	E		J3E-L	Spanish talks - fishers S5	3.1uV
REP	28325	15.30	15	09	E		J3E-L	Spanish talks - fishers	25uV S8
REP	28325	15.28	16	09	E		J3E-L	Spanish talks - fishers S8	25uV
REP	28325	17.30	17	09	POR		J3E-L	Portuguese language fishers talking S5	3.1uV
REP	28325	17.44	23	09	POR		J3E-L	Portuguese language fishers 3.1uV S5	
REP	28325	15.32	30	09	E		J3E-L	Spanish talks - fishers S5	3.1uV
REP	28350	10.55	20	09	E		J3E-L	Spanish fishers (4 users)	3.1uV S5
REP	28350	10.25	27	09	E		J3E-L	Spanish fishers	25uV S8
REP	28502	08.51	10	09			CW	Daily steady carrier S8	25uV
REP	28502	09.18	27	09			CW	Daily carrier	12.5uV S7

RSGB - Great Britain – G4BOH (Chris)

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS	
RSGB	7030	1400-2300	DLY	09	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 informed ITU under RR 15.42.	
RSGB	7150-7200	1200-1800	DLY	09	D	DW	OFDM	Wideband QRM from DRM BC station at Wertachtel on 7265kHz. Baldock informed Konstanz, defective TX replaced, problem gone. Same as problem reported April 09.	

SRAL – Finland – OH2BLU (Pekka)

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	REMARKS
SRAL	7000,0	0645	16	9		UiPIR	F1B	250	
SRAL	7008,0	0615-0730	18	9		UiPTR	F1B	200	
SRAL	7010,0	1340	25	9	RUS	UiMUX	J7D		
SRAL	7016,0	0845	26	9		UiPTR	F1B	250	
SRAL	7018,0	1215	1	9		UiPTR	F1B	200	
SRAL	7018,0	0515-1800	29, 30	9	RUS	UiMUX	J7D		
SRAL	7022,0	0800-1330	21, 24	9	RUS	UiMUX	J7D		
SRAL	7025,0	0945	16	9	RUS	UiMUX	J7D		
SRAL	7025,0	0900-1100	22	9	RUS	UiPTR	F1B	250	
SRAL	7030,0	0925-1530	21, 29	9		UiPTR	F1B	250	
SRAL	7038,7	h24	dly	9	UKR	D	A1A		Sevastopol
SRAL	7038,9	h24	dly	9	RUS	S	A1A		Severomorsk
SRAL	7039,0	h24	dly	9	RUS	C	A1A		Moscow

Society	KHz	UTC	DD	MM	ITU	IDENT	MODE	SH	REMARKS
SRAL	7039,2	1610-2030	22	9	RUS	F	A1A		Vladivostok
SRAL	7049,0	0700-0830	25	9	RUS	UiPTR	F1B	200	
SRAL	7051,0	0600-0700	25	9	RUS	UiMUX	J7D		
SRAL	7054,0	1700-0700	1-2	9	RUS	UiPTR	F1B	200	25 Hz dotter
SRAL	7054,0	1900-0500	3-30	9	RUS	UiPTR	F1B	200	25 Hz dotter
SRAL	7056,0	1050	25	9		SIHG	A1A		
SRAL	7059,0	0630-1000	3, 14	9		UiPTR	F1B	250	
SRAL	7061,0	0555-1410	14, 30	9		UiMUX	J7D		
SRAL	7062,0	1030-1130	25	9		UiPTR	F1B		
SRAL	7069,0	1150	24	9		UiMUX	J7D		
SRAL	7077,0	1115	25	9		UiMUX	J7D		
SRAL	7080,0	0830-1430	15	9	RUS	UiPTR	F1B	500	
SRAL	7081,0	0800-1330	21-24	9		UiDotter	A1A		50 Hz
SRAL	7100,0	1500-1800	1-4	9	ERI	VoBME	A3E		
SRAL	7100,0	1800-2100	dly	9	KRE	VoKorea	A3E		
SRAL	7101,75	0810	18	9	G	MGL	F1B	850	
SRAL	7105,0	1800-1802	dly	9		UiCarr	N0N		
SRAL	7110,0	*	dly	9	ETH	R Eth.	A3E		0300-0500, 1430-2100
SRAL	7111,0	0630-1430	16-19	9		UiPTR	F1B	250	
SRAL	7113,0	1100-1530	23	9		UiMUX	J7D		
SRAL	7113,0	0840	30	9		UiPTR	F1B	250	
SRAL	7114,0	0710	18	9		UiMUX	J7D		
SRAL	7117,0	1300-2100	dly	9	RUS	REA4	F1B	1000	
SRAL	7118,0	0630-1330	15, 30	9		UiMUX	J7D		
SRAL	7119,5	0655-1330	25, 30	9		UiPTR	F1B	250	
SRAL	7120,0	1500-1930	14-30	9	TCD	ONRTT	A3E		N'Djamena TX
SRAL	7122,0	0300-1900	dly	9	RUS	RDL	F1B	200	Kaliningrad, dotter 25 Hz
SRAL	7124,0	0655-0730	30	9		UiMUX	J7D		
SRAL	7127,0	*	4,2,1 25, 30	9		UiCW	A1A		H+10 & H+ 40, MR 5BL & 5F
SRAL	7132,0	0615	17	9		UiMUX	J7D		
SRAL	7135,0	1400-2000	dly	9	BLR ?	UiBC	A3E		
SRAL	7140,0	1030-1300	dly	9	RUS	R. Rossii	A3E		
SRAL	7145,0	1500-1930	*	9	SOM	R Hargeisa	A3E		Days 1-6 & 27-30
SRAL	7149,0	1620-1700	29	9		UiPTR	F1B	500	
SRAL	7149,5	0430-1800	27-30	9		UiMUX	J7D		
SRAL	7151,0	1720-	29	9		UiMUX	J7D		
SRAL	7162,0	0600-	*	9		UiPTR	F1B	200	Days 18, 21, 27, 29

Society	KHz	UTC	DD	MM	ITU	IDENT	MODE	SH	REMARKS
		1600							
SRAL	7165,0	0330-0500	dly	9	ERI	VoBME	A3E		Jammed by ETH 5 – 15 Hz apart
SRAL	7165,0	1430-1900	dly	9	ERI	VoBME	A3E		Jammed by ETH 5 – 15 Hz apart
SRAL	7170,0	1400-1800	23-26	9	RUS	UiPTR	F1B	200	
SRAL	7172,0	0820	28	9	RUS	RIR2	A1A		
SRAL	7175,0	0330-0530	dly	9	ERI	VoBME	A3E		Jammed by ETH 5 – 15 Hz apart
SRAL	7175,0	1300-2000	dly	9	ERI	VoBME	A3E		Jammed by ETH 5 – 15 Hz apart
SRAL	7176,0	0830-1700	*	9	KAZ ?	UiPRT	F1B	250	Days 16, 20, 21
SRAL	7178,0	0840	20	9		LBBY	A1A		
SRAL	7179,0	0300-0530	23	9		UiPTR	F1B		
SRAL	7181,75	0700-1830	18	9		UiCarr	N0N		
SRAL	7186,0	0430-1930	dly	9	RUS	UiMUX	J7D		Murmansk
SRAL	7187,0	1000-1400	21, 25	9		UiPTR	F1B	250	
SRAL	7188,0	0730-1000	*	9	RUS	UiPTR	F1B	250	Days 3, 4, 15
SRAL	7189,5	1815	25	9		UiMUX	J7D		
SRAL	7190,0	1300-1500	18	9	RUS	UiMUX	J7D		
SRAL	7196,0	0630-0830	1, 15	9		UiPTR	F1B	200	
SRAL	7198,0	1630-1900	30	9		UiMUX	J7D		
SRAL	7200,0	0230-2100	dly	9	SDN	R Sudan	A3E		
SRAL	7200,0	0730-1400	dly	9	RUS	R Rossii	A3E		
SRAL	10101	0445	18	9		UiVox	J3E-u		
SRAL	10101	1920	19	9		UiVox	J3E-u		
SRAL	14006	0515-1200	*	9	RUS	UiPTR	F1B	250	Days 3, 17, 24, 29
SRAL	14008	0845-0900	16, 20	9		UiPTR	F1B		
SRAL	14026	0840-0930	28	9		UiMUX	J7D		
SRAL	14031	0755	28	9		UiMUX	J7D		
SRAL	14037	0630-0900	19, 29	9		UiPTR	F1B	250	
SRAL	14040	1200-1230	2	9		UiBC	A3E?		Spur. (3f 4680?)
SRAL	14044	1410	21	9		UiVox	J3E-u		
SRAL	14102	1155-1630	15, 18	9		UiPTR	F1B	850	
SRAL	14104	1110-1120	1	9		577	A1A		
SRAL	14120	1020-1120	14	9		UiPTR	F1B		
SRAL	14135	0755-1210	4, 14	9		UiPTR	F1B	250	
SRAL	14141	0715	28	9		UiPTR	F1B		
SRAL	14143	1310	21	9		UiMUX	J7D		
SRAL	14160	1135-1310	14	9		UiPTR	F1B	250	
SRAL	14180	0610-1230	1	9		UiPTR	F1B	200	

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	REMARKS
SRAL	14186	0800-0830	18	9		UiMUX	J7D		
SRAL	14221	0430-1000	4,20,21	9		UiPTR	F1B		
SRAL	14227	1135	16	9		UiMUX	J7D		
SRAL	14240	0830-1310	14,20	9		UiPTR	F1B		
SRAL	14255	0755-1105	26,28	9	RUS	UiOTHR	P0N		50 Hz
SRAL	14261	0740-0900	24	9		UiMUX	J7D		Begins with N0N on 14260 kHz
SRAL	14266	0750-0815	3	9		UiPTR	F1B	500	
SRAL	14282	0935	1	9		UiMUX	J7D		
SRAL	14295	0400-1630	dly	9	TJK	R Tojikiston	A3E		3f 4765 kHz, Yangiyul TX
SRAL	14302	0740	24	9		UiMUX	J7D		
SRAL	14312	1110-	2	9		Uicw	A1A		MR 5BL
SRAL	14332	0845-1000	16	9		UiPTR	F1B	250	32 Hz dotter
SRAL	14342	0755-1205	14	9		UiPTR	F1B	250	
SRAL	18070	0830	24	9	CYP	UiOTH	P0N		

USKA – Switzerland – HB9CET (Peter)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
USKA	7000.0	1936	01	09		T1Z	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7000.0	1956	01	09		R716	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7000.0	1958	01	09		R676	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7000.0	2112	01	09		SHD	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7000.0	2132	01	09		P2Z10	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7000.0	2136	01	09	IRQ	T1Z137	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7000.0	1709	03	09	IRQ	SHDTC	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7010.0	1439	03	09		CS0	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7010.0	1448	03	09	MKD	CS002	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7018.0	1428	01	09	RUS		F1B	75	200	unid
USKA	7020.0	1411	03	09	MKD	CS004A	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7020.0	1412	03	09		RS008D	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7038.7	1432	01	09	UKR	D	A1A			Beacon D Sevastopol daily
USKA	7038.9	1430	01	09	RUS	S	A1A			Beacon S Murmansk daily
USKA	7039.0	1806	01	09	RUS	C	A1A			Beacon C Moscow daily
USKA	7054.0	1809	01	09	RUS		F1B	50	250	unid daily
USKA	7067.0	1829	09	09			F1B	100	200	unid
USKA	7089.6	1809	06	09	TUR		PSK8			Link11 SLEW
USKA	7117.0	2223	01	09	RUS		F1B	50	1000	unid frequently
USKA	7117.0	1744	08	09			F1A	50	200	letters and figures daily
USKA	7122.0	1450	01	09			F1B	50	200	unid daily
USKA	7122.0	1456	01	09			F1A	50	200	letters and figures daily
USKA	7149.5	1222	03	09			J7D	12x120		CIS 12 = AT3004D
USKA	7160.0	1823	01	09			J7D	12x120		PSK-2: CIS 12 = AT3004D
USKA	7186.0	1823	01	09			J7D	12x120		PSK-2: CIS 12 = AT3004D
USKA	7186.0	1821	09	09			J7D	12x120		PSK-2: CIS 12 = AT3004D
USKA	7192.5	1816	09	09			J7D	12x120		PSK-4: CIS 12 = AT3004D
USKA	7196.0	1819	09	09			F1B	75	200	unid
USKA	10130.0	1304	03	09	CYP		P0N	50pps		OTHR from 10120 kHz up
USKA	14000.0	1858	06	09			N0N			permanent carrier (14000.070)
USKA	14178.0	1435	01	09			F1B	50	200	unid
USKA	14221.0	2037	05	09			F1B	50	500	unid
USKA	14242.0	1014	09	09	RUS		J7D	12x120		PSK-2: CIS 12 = AT3004D
USKA	14266.0	1218	03	09			F1B	75	500	unid

Veron 1 – Netherlands – PA0GRU (Dick)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SHIFT	DETAILS
VERON	3520,0	06.38	14	9	HOL	UiILL	J3e-U		Dutch fishery (legal Int.Radio Rules)
VERON	7000,0	17.12	21	9	ISR	4XZ	A1A		VVV de 4XZ (roundslip), 5L
VERON	7018,0	18.33	30	9	RUS	UiMUX	J7D		12 MPSK AT3004-D
VERON	7038,7	vt	vd	9	UKR	D	A1A		D-beacon
VERON	7038,9	vt	vd	9	RUS	S	A1A		S-beacon
VERON	7039,0	vt	vd	9	RUS	C	A1A		C-beacon
VERON	7052,0	06.43	25	9	RUS	UiMUX	J7D		12 MPSK AT3004-D
VERON	7054,0	19.11	11	9	RUS	UiPtr	F1B	200	Revs, also 23/9
VERON	7054,0	18.34	30	9	RUS	UiPtr	F1B	250	Ptr/Revs
VERON	7054,0	vt	vd	9	CIS	UiPTR	F1B		Revs/Ptr
VERON	7107,0	19.22	11	9		UiBC	A3E		music
VERON	7110,0	18.06	28	9		UiBC	A3E		speech
VERON	7110,0	18.43	30	9		UiBC	A3E		speech/music Asiatic like
VERON	7111,0	13.15	19	9		UiPTR	F1B		Ptr
VERON	7116,0	vt	vd	9	RUS	UiPtr	F1B	1000	Revs/Ptr, 5 days
VERON	7116,0	18.08	28	9	RUS	RJF94	A1A		RCH84 de RJF94 QSA? QTC K
VERON	7116,0	18.11	28	9	RUS	RCH84	A1A		RFJ94 de RCH84 253 1328 2202=706=etc
VERON	7116,0	18.08	3	9	RUS	RCB	A1A		Proc's/Q-codes (to: RJF94)
VERON	7116,0	18.08	3	9	RUS	RJF94	A1A		Proc's (to: RCB)
VERON	7117,0	vt	vd	9		UiPTR	F1B		Revs
VERON	7122,0	16.05	5	9	RUS	RDL	F1A		Revs
VERON	7122,0	vt	vd	9		UiPTR	F1B		Revs/Ptr
VERON	7150,0	18.05	28	9	RUS	UiMUX	J7D		12 MPSK AT3004-D
VERON	7150,0	15.46	29	9	RUS	UiMUX	J7D		12 MPSK AT3004-D
VERON	7170,0	06.45	25	9	CIS	UiPtr	F1B	200	Ptr
VERON	7175,0	18.15	28	9		UiBC	A3E		music
VERON	7186,0	19.15	11	9	RUS	UiMUX	J7D		12 MPSK AT3004-D
VERON	7186,0	09.21	30	9	RUS	UiMUX	J7D		12 MPSK AT3004-D
VERON	7186,0	18.39	30	9	RUS	UiMUX	J7D		12 MPSK AT3004-D
VERON	7197,0	18.40	30	9	RUS	UiMUX	J7D		12 MPSK AT3004-D
VERON	10103,0	07.47	14	9	CIS	UiPtr	F1B	500	Ptr
VERON	10115,0	06.35	14	9		UiPtr	F1B	500	Ptr
VERON	10128,0	18.18	3	9		UiPTR	F1B		Revs
VERON	10130,0	vt	vd	9		UiPTR	F1B		Revs/Ptr
VERON	14004,0	09.16	30	9	RUS	UiMUX	J7D		12 MPSK AT3004-D
VERON	14006,0	08.53	9	9	CIS	UiPtr	F1B	250	Ptr
V ERON	14006,0	08.40	3	9		UiPTR	F1B		Ptr
VERON	14008,0	07.48	14	9		UiCAR	NON		carrier
VERON	14008,0	07.48	14	9	CIS	UiPtr	F1B	500	Ptr, also 16/9, 23/9
VERON	14008,0	vt	vd	9	CIS	UiPtr	F1B		Carrier/Revs/Ptr
VERON	14026,0	09.13	28	9	RUS	UiMUX	J7D		12 MPSK AT3004-D
VERON	14037,0	07.05	29	9	CIS	UiPtr	F1B	250	Ptr
VERON	14102,0	15.23	15	9	CIS	UiPtr	F1B	850	Ptr, also 18/9
VERON	14106,5	09.55	1	9		UiCAR	A1A		Strong Carrier (long period)
VERON	14110,0	07.49	9	9		UiCAR	NON		carrier
VERON	14131,0	09.27	20	9		UiPTR	F1B		Ptr
VERON	14133,0	12.05	22	9	CIS	UiPtr	F1B	250	Ptr
VERON	14133,0	12.49	22	9		UiPTR	F1B		Ptr
VERON	14135,0	07.45	14	9	CIS	UiPtr	F1B	250	Ptr
VERON	14135,0	10.10	24	9		UiPTR	F1B		Ptr
VERON	14143,0	12.11	22	9	RUS	UiMUX	J7D		12 MPSK AT3004-D
VERON	14144,0	07.36	9	9	CIS	UiPtr	F1B	250	Ptr
VERON	14160,0	06.29	14	9	CIS	UiPtr	F1B	250	Ptr/Revs
VERON	14160,0	06.29	14	9	CIS	UiPtr	F1A		QRJ? QJB4 Revs R-K-SK
VERON	14160,0	07.06	29	9	RUS	OTHR	PON		OTHR radar ABM-2
VERON	14169,0	07.37	9	9	CIS	UiPtr	F1B	200	Ptr
VERON	14170,0	07.28	16	9	RUS	UiMUX	J7D		12 MPSK AT3004-D
VERON	14180,0	10.01	1	9		UiPTR	F1B		Revs/Ptr
VERON	14184,0	10.15	18	9	RUS	UiMUX	J7D		12 MPSK AT3004-D

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SHIFT	DETAILS
VERON	14202,0	09.23	29	9		UiPtr	F1B	850	Ptr
VERON	14221,0	09.25	20	9		UiPTR	F1B		Revs
VERON	14228,0	07.38	9	9	CIS	UiPtr	F1B	250	Ptr
VERON	14233,0	14.55	20	9		UiPTR	F1B		Revs
VERON	14235,0	14.57	20	9		UiPTR	F1B		Revs
VERON	14240,0	07.29	16	9	CIS	UiPtr	F1B	250	Ptr
VERON	14240,0	08.48	20	9		UiPTR	F1B		Ptr
VERON	14255,0	09.16	28	9	RUS	OTHR	PON		OTHR radar ABM-2
VERON	14262,0	07.00	21	9	RUS	OTHR	PON		OHTR ABM-2
VERON	14266,0	08.41	3	9		UiPTR	F1B		Ptr
VERON	14280,0	07.39	9	9	CIS	UiPtr	F1B	250	Ptr
VERON	14289,0	06.42	25	9	RUS	UiMUX	J7D		12 MPSK AT3004-D
VERON	14290,0	07.07	29	9		UiCAR	NON		carrier
VERON	14293,0	07.30	16	9	RUS	UiMUX	J7D		12 MPSK AT3004-D
VERON	14342,0	07.58	14	9	CIS	UiPtr	F1B	250	Ptr
VERON	14350,0	07.39	9	9	RUS	UiMUX	J7D		12 MPSK AT3004-D
VERON	14350,0	08.58	14	9	RUS	OTHR	PON		OTHR radar ABM-2
VERON	18107,0	vt	vd	9		UiPTR	F1B		Revs/Ptr

Veron 2 – Netherlands – PA0GRU (Dick)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SHIFT	DETAILS
VERON	3524,0	13.21	25	9		UiLL	J3E-u		Encrypted voices
VERON	3532,6	13.18	25	9		Beacon ?	A1A		Continuous strings of 7 dots and one dash
VERON	3607,9	19.48	1	9		UiPtr	F1B	200	Printer, bad filter
VERON	3608,0	21.41	2	9	RUS	UiPtr	F1B	200	Printer
VERON	3693,5	19.41	1	9		UiPtr	F1B	250	Printer, bad filter
VERON	3729,0	19.37	1	9	RUS	UiMux	J7D	2600	MPSK-12
VERON	3732,0	21.34	2	9		UiMux	J7D		MPSK-12
VERON	3735,0	21.35	2	9		UiMux	J7D		MPSK-8
VERON	3782,0	vt	vd	9	POR	UiPtr	F1B	850	Printer
VERON	7010,0	13.04	25	9		UiMux	J7D		MPSK-12
VERON	7036,3	06.34	vd	9	RUS	UiMux	J7D		20.20 utc, MPSK, 5 days
VERON	7038,7	vt	vd	9	UKR	D	A1A		Beacon Sevastopol
VERON	7038,7	06.30	vd	9	UKR	D	A1A		20.45 utc, 8 days, beacon Sevastopol
VERON	7038,9	vt	vd	9	RUS	S	A1A		Beacon Murmansk
VERON	7038,9	06.30	vd	9	RUS	S	A1A		20.45 utc, 6 days, beacon S Murmansk
VERON	7039,0	06.30	vd	9	RUS	C	A1A		17.36 utc, 5 days, beacon Moscow
VERON	7039,2	14.00	vd	9	RUS	F	A1A		20.51 utc, beacon F, 3 days
VERON	7044,0	13.27	2	9		UiPtr	F1B	250	Ptr/Revs
VERON	7054,0	vt	vd	9	RUS	UiPtr	F1B	200	Printer, bad filter
VERON	7054,0	06.02	vd	9	RUS	UiPtr	F1B	250	20.23 utc, 4 days, Ptr/Revs
VERON	7080,0	15.42	10	9		UiPtr	F1B	250	Revs/Ptr
VERON	7105,0	22.16	26	9	CHN	UiBC	A3E		Chinese music & voice
VERON	7116,0	vt	vd	9	RUS	UiPtr	F1B	1000	Printer, on 2 Sept. unstable carrier
VERON	7117,0	15.33	vd	9	RUS	UiPtr	F1B	1000	20.01 utc, 3 days, Ptr
VERON	7117,5	14.20	29	9		UiCW	A1B		dotter
VERON	7122,0	08.02	vd	9	RUS	RDL	F1B	250	18.50 utc, 9 days, Revs/Ptr
VERON	7122,0	13.46	2	9	RUS	RDL	F1A	250	XXX RDL 94847 PODAROK 1040 170 etc
VERON	7122,0	15.42	22	9	RUS	RDL	F1A	250	XXX(in morse) followed by revs/ptr F1B
VERON	7122,0	07.00	25	9	RUS	RDL	F1A	250	RDL 02904 27366
VERON	7122,0	14.44	29	9	RUS	RDL	F1A	250	5F
VERON	7165,0	15.45	22	9	ETH	R.Ethio pa	A3E		music and speech
VERON	7165,0	15.53	22	9		UiBC	A3E		speech, unknown language
VERON	7170,0	vt	vd	9		UiPtr	F1B	200	Printer

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SHIFT	DETAILS
VERON	7175,0	16.59	26	9	ETH		JAM		Rushing noise, S9+30, 10 KHz wide
VERON	7185,0	19.21	1	9		UiMux	J7D		MPSK-8
VERON	14006,0	08.34	24	9		UiPtr	F1B	250	Ptr, QTE North-east
VERON	14078,4	10.06	22	9	RUS	F	A1A		F-beacon
VERON	14133,0	14.07	22	9		UiPtr	F1B	250	Ptr/Revs
VERON	14135,0	12.39	24	9		UiPtr	F1B	250	Printer
VERON	14140,0	16.41	13	9	ETH	UiILL	J3E-u		Spanish male, fishery
VERON	14180,0	06.46	1	9	RUS	RDL	A1A	250	Ptr/Revs
VERON	14180,0	06.48	1	9	RUS	RDL	F1A		RDL 37490 98427 (etc, 5F) K
VERON	14192,0	05.37	1	9	RUS	UiPtr	F1B	250	Ptr/Revs
VERON	14220,0	13.41	29	9		UiPtr	F1B	500	Ptr/Revs, slow and fast
VERON	14221,0	19.16	1	9		UiPtr	F1B	500	Printer

IARUMS Region 1

Many thanks for your interest!

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compiled and published by DK2OM