



Monitoring System

DK2OM – Wolf Hadel
Co-ordinator of IARUMS Region 1
Editor of the Newsletter

HB9CET – Peter Jost
Vice Co-ordinator of IARUMS Region 1

The monthly newsletter for Region 1

June 2019

The 26 members of the IARUMS Region 1 Monitoring Team:



Acknowledgements

ARAT: 3V8CB – Ahmed ++ ARI: DH7SA – Salvatore ++ ARSK: 5Z4BV - Kamweti ++ DARC: DK2OM – Wolf ++ EARS: A61M – Obaid ++ ERASD: SU1SA – Sayed ++ HRS: 9A5DGZ – Gianluca ++ IARC: 4Z1AB – Amos ++ IRTS: EI3GYB - Michael KARS: 9K2RR – Faisal ++ MARL: 9H1M – Dominic ++ MRASZ: HA7PL - Laci ++ NARS: 5N9AYM – Yusuf ++ NRRL: LA4EU – Hans Arne ++ OEVS: OE3GSA – Gerd ++ PZK: N.N. ++ RAL: OD5RI – Riri ++ REF: F5MIU – Francis ++ REP: CT4AN – Jose ++ ROARS: A41MA - Younis ++ RSGB: G4DYA - Richard ++ SARL: ZS6NS - James ++ SRAL: OH2BLU - Pekka ++ SSA – N.N. ++ UBA: ON8IM – Ivan +++ URE: EA6AMM - Gaspar ++ USKA: HB9CET - Peter ++ VERON: PG1R - Ruud ++ ZRS: S56ZDB – Darko ++ LU1BCE – Carlos (Co-ordinator Region 2) ++ YB3PET – Titon (Co-ordinator Region 3) ++ DF8FE – (Webmaster supp.) ++ DL8AAM (ALE) ++ DJ7KG (BUOYS) ++ DF5SX (BC) ++ DARC (server support) ++ OD5TE (Hani) ++ VE6SH – Tim (IARU President) ++ 9K2RR – Faisal (EC-IARU-R1) ++ PTTs: BAKOM (Swiss) ++ OFCOM (UK) ++ Dutch AT ++ Austrian PTT ++ German BNetzA Konstanz

Part 1: News and Infos

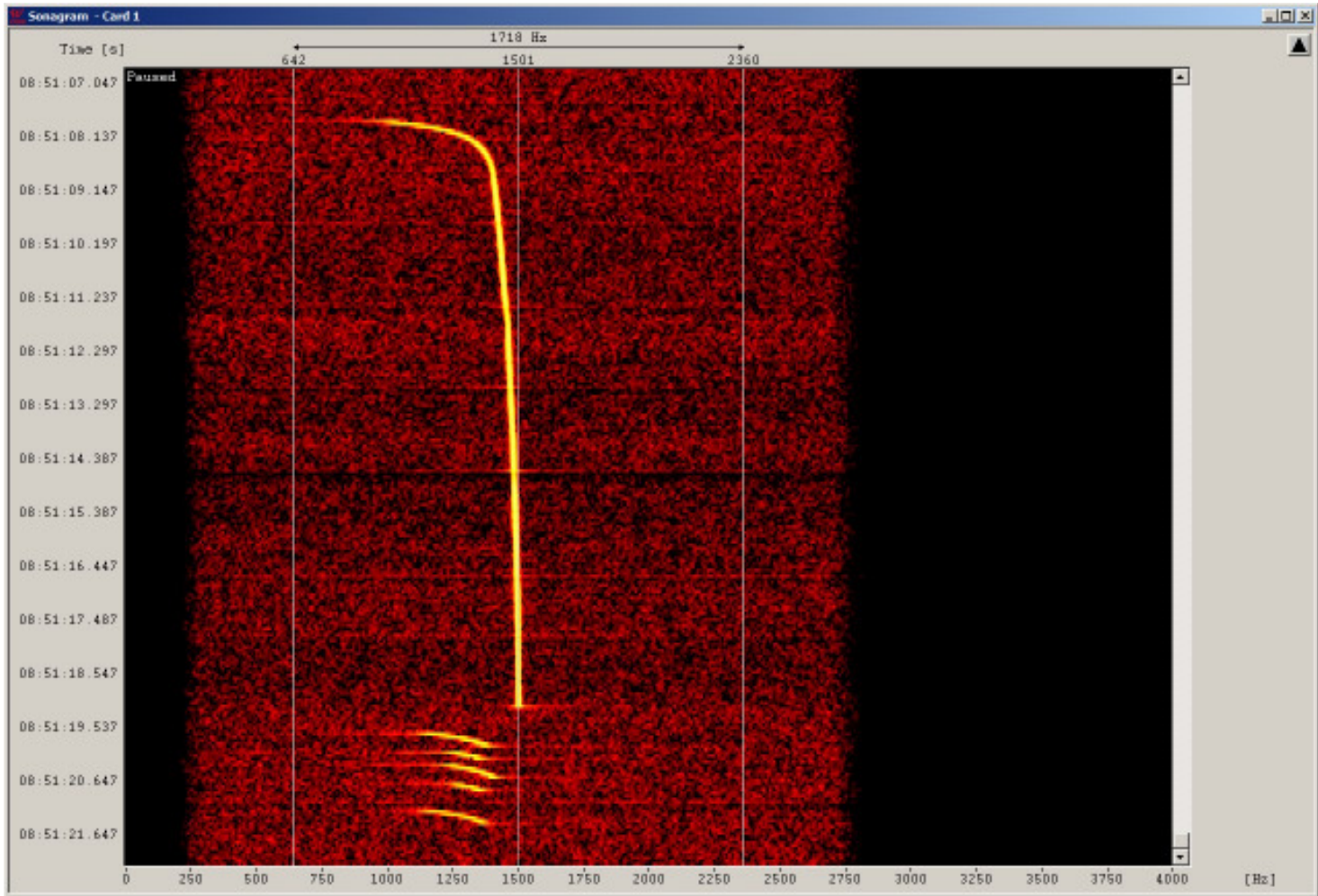
1. Fishery driftnet buoys on 28000 - 28500 kHz

We found many driftnet buoys between 28000 and 28500 kHz. Locations: Bay of Biscay and Adriatic Sea

screenshot: DK2OM on USB-mode with W-Code sonagram on 23 June at 0841 utc

You can see a rising carrier followed by the CW-ident "CT".

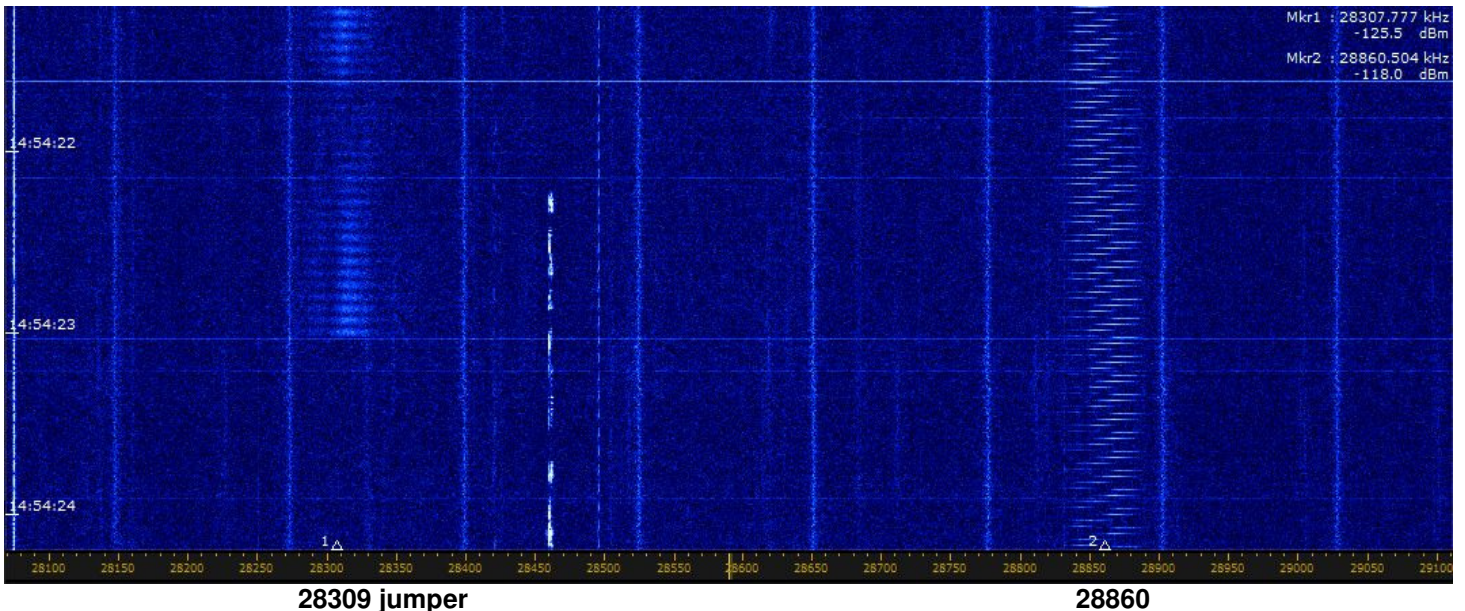
More infos: <http://www.iarums-r1.org/iarums/buoys.pdf>



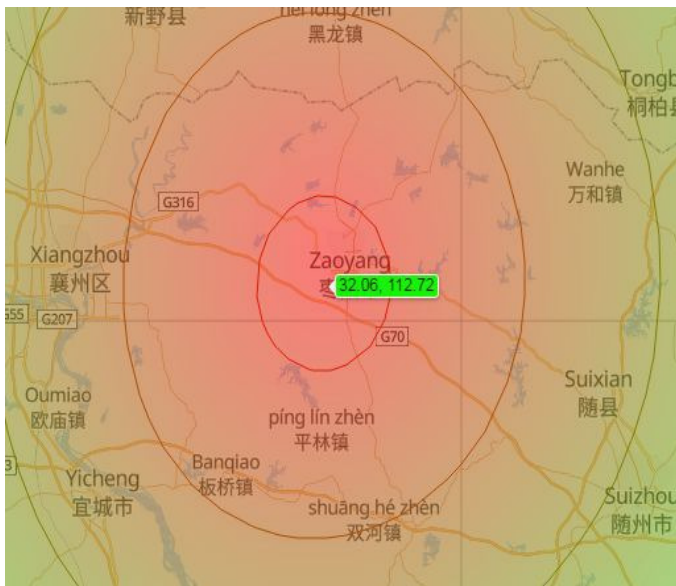
2. Iranian radar jumping 28000 – 29500 MHz

Iranian radar was active on 28860 kHz long lasting and another system was jumping the 28 MHz-band at the same time. Parameters: AMOP (amplitude modulation on puls) – jumper on 28309 -> 307 sps --- 28860 -> 150 and 313 sps

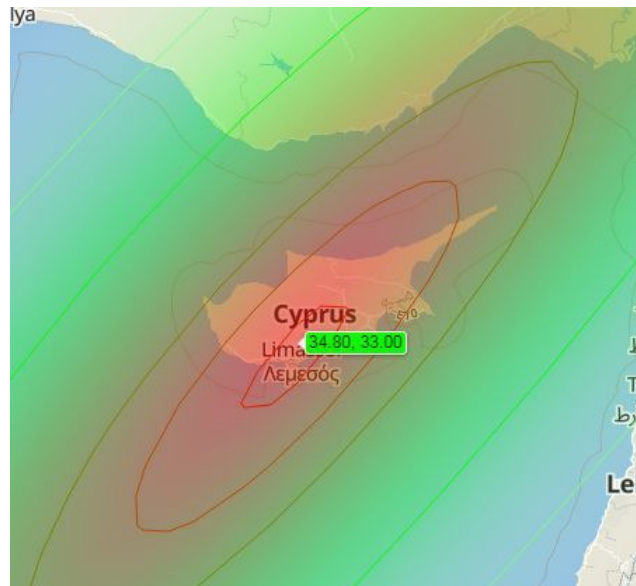
Perseus screenshot on 22 June at 1454utc



3. TDoA bearings



Chinese OTH radar – 14265 kHz – 30 sps - 08 June



UK OTH radar Cyprus – 21150 kHz – 50 sps – 06 June

4. Iranian radars on 28860 and 29255 kHz

Iranian radars were audible in Europe under Sporadic-E conditions on 28860 and 29255 kHz at the same time.
Date: 16 June

5. Chinese OTH radars on 14 and 21 MHz

Chinese OTH radars were very active on 14 and 21 MHz on FMOP and mostly with jumping bursts.
The signals could be heard in Europe every morning.

6. Russian OTH radar Contayner on 14 MHz

We observed the Russian OTH radar Contayner on 14335 kHz center QRG. Parameters: FMOP, 40 sps, 12 kHz wide location: north of Penza – date: 08 June --- also on 14142 and on 14220 kHz on 13 June and other QRGs, too.

7. CIS taxi on 28175 kHz

A CIS taxi service was audible again on 28175 kHz on F3E (FM). A woman and her husband talked about amateur-radio. They probably knew that their traffic was illegal.

8. 14000.0 kHz - USB – Far East pirates as usual

Far East pirates were daily abusing 14000.0 kHz on USB at about 1300 utc and later. Location: Possibly Java-Sea.

9. UK OTH radar Cyprus on 21 MHz

The UK OTH radar Cyprus was found on 21 MHz on several days on FMCW and 50 sps (often long lasting).

10. F1B (FSK) on 14221.0 kHz every evening

The German PTT (BNetzA) Konstanz took further bearings and found out that the system was transmitting from Kazakhstan. Many thanks to BNetzA Konstanz for assistance and an official complaint!
My TDoA DF showed the same bearing results.

11. Russian MIL CW on 14 MHz-band

We observed a lot of Russian MIL CW on our 14 MHz-band. The traffic was encrypted as usual.

12. Miscellaneous news:

No present national IARUMS Region 1 coordinators: PZK – Poland and SSA - Sweden

7140 and 7180 kHz – A3E – Radio Eritrea without QRM (German PTT informed)

14295.0 kHz – harmonic from Radio Tajik on 4765 kHz (no change regardless many complaints)

28000 – 28500 kHz – many fishery driftnet buoys and few GPS buoys

28000 – 29700 CIS taxi services – FM (F3E)

13. Homepage IARU Region 1

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

Homepage IARUMS Region 1

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

Homepage IARUMS Region 2

<http://www.iarums-r2.org/>

Homepage IARUMS Region 3

<http://iau-r3.org/iau-region-3-monitoring-system-newsletter/>

Intruderlogger Region 1

<http://peditio.net/intruder/bluechat.cgi>

ITU-Monitoring Reports

<http://www.itu.int/en/ITU-R/terrestrial/monitoring/Pages/Regular.aspx>

Part 2: Detailed reports of the national Coordinators

DD = day *** MM = month *** dly = daily *** vt = various times *** vd = various days *** BD = Baud *** SH = shift *** SP = spacing *** Mode = mode of transmission *** A3E = AM *** A1A = CW *** J3E-U = USB *** J3E-L = LSB *** FSK (F1B) = frequency shift keying *** PSK = phase shift keying *** OFDM = orthogonal frequency division multiplex
 ALE = (MIL-188-141A) = automatic link establishment *** MUX = multiplex *** Ui (unid) = unidentified *** Illicit = illegal
 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 *** PRF = pulse repetition frequency (radar) = sps *** sps = sweeps/sec (radar systems) *** FMCW = frequency modulated continuous wave (OTH radars)
 FMOP = frequency modulation on pulse (OTH radars) *** 5BL = cyrillic 5 lettergroups *** DF = direction finder

DARC – Germany - DK2OM (Wolf)

FSK transmissions -> center frequency between mark and space

PSK transmissions -> center QRG - ALE (MIL188-141A) -> USB QRG

exclusive bands -> black – shared bands -> blue - voice traffic -> green - BC -> red

SH = shift - SP = spread (radar) – SPS = sweeps/sec (radar) -> (aka PRF)

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DK2OM	1812,0	vt	vd	06	RUS		USB LSB			14 tones – hyperbolic radio navigation system – BRAS-3/RS-10 – Kaliningrad
DK2OM	1855,0	vt	vd	06	I	IQP	USB			San Benedetto Radio, weather reports - daily
DK2OM	1925,0	vt	vd	06	I	IPL	USB			Livorno Radio, weather reports - daily
DK2OM	3503,5	vt	dly	06	G	no ITU	FSK8	125	1750	ALE – British MIL Tascomm – shared band - legal!
DK2OM	3525,0 RF	---	--	06	F		PSK4	75	5800	LINK11-CLEW on both sidebands (5800 Hz wide) – area of Marseille – legal!
DK2OM	3527,0	2000	dly	06	RUS		F1B	50	200	Severomorsk - daily
DK2OM	3527,0	2038	03	06	RUS		PSK2A	120	2600	AT3004D – east of Smolensk – shared band!
DK2OM	3531,0	2020	09	06	RUS	REA4	N0N			unclean carrier - RUS airforce Moscow, ident: full hour + 40 min - daily
DK2OM	3532,0	---	--	06	F		PSK4	75	5800	LINK11-CLEW on both sidebands (5800 Hz wide) – area of Brest – legal!
DK2OM	3550,0	0630	dly	06	F		A3E			French amateurs not respecting bandplans – every morning
DK2OM	3550,7	---	--	06	ISR		PSK4 PSK8	75 2400	2400 2400	hybrid modem – ISR Navy – PSK4 parallel and PSK8 serial – shared band!
DK2OM	3553,8	ady	dly	06	TUR		PSK8A	2400	2400	Stanag4285 – 600 bps long -TUR MIL - Ankara – daily, all day - legal operation
DK2OM	3580,0 RF	1800	dly	06	TUR		PSK8A	2400	2400	Stanag-4285 – 600 bps long – Ankara – shared band!
DK2OM	3585,0	ady	dly	06	TWN	HLL	F1C		800	WX-fax Taiwan - 120 rpm, IOC 576 - daily, all day - legal!
DK2OM	3585,0	2100	06	06	E		USB			Spanish fishery
DK2OM	3586,0	vt	dly	06	HOL		PSK2A	40	40	Amsterdam - daily
DK2OM	3592,0	2050	13	06	G		PSK8A	2400	2400	Stanag-4285 – 600 bps long - area of Falmouth – shared band
DK2OM	3622,5	ady	dly	06	J	JMH	F1C		800	Tokyo Meteo – 120 rpm – IOC 576 – daily, all day - legal!
DK2OM	3756,0	1800	dly	06	RUS		USB			RUS MIL – channel marker – Tuapse – East Black Sea – night QRG
DK2OM	5350,0	2012	21	06	RUS		FMOP		50k	Russian coastal radar “Sunflower” – 43 sps – 5350 – 5400 kHz - Makhachkala

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DK2OM	5350,0	1835	30	06	E		USB		2400	5350.0 – 5352.4 kHz - Spanish fishery splattering up – often in the evenings
DK2OM	5360,5	---	--	06	RUS		F1B	50	200	Moscow - legal
DK2OM	5361,8 RF	---	--	06	DNK	OUA15	PSK8A	2400	2400	Stanag-4285 – 600 bps long – assigned to Danish Navy Aarhus - legal – primary user !
DK2OM	7000,0	vt	dly	06	INS		LSB USB			Indonesian pirates - singing and playing music - daily
DK2OM	7005,0	vt	dly	06	INS		LSB			Indonesian pirates
DK2OM	7008,0	vt	dly	06	RUS		FMOP		103k	coastal radar „Sunflower“ – 43 sps – 6905 – 7008 kHz – east of Vladivostok
DK2OM	7010,0	vt	dly	06	INS		LSB			Indonesian pirates
DK2OM	7015,0	vt	dly	06	INS		LSB			Indonesian pirates – male and female voices
DK2OM	7020,0	vt	vd	06	ALB		FSK8	125	1750	ALE, “CS004A” “RS004D” “CS004” - daily
DK2OM	7025,0	vt	dly	06	INS		LSB			Indonesian pirates singing
DK2OM	7035,0	vt	dly	06	INS		LSB			Indonesian pirates singing
DK2OM	7036,0	1920	18	06	RUS		PSK2A	120	2600	AT3004D - Moscow
DK2OM	7039,2	1926	30	06	RUS	„F“	A1A			Cluster beacon „F“ - Vladivostok RUS Navy - “RJS”
DK2OM	7039,3	---	--	06	RUS	„K“	A1A			Cluster beacon “K” Petropavlovsk Kamchatskiy - RUS Navy - Pacific fleet - “RCC”
DK2OM	7039,4	1923	09	06	RUS	„M“	A1A			Cluster beacon „M“ – Magadan RUS Navy – „RTS“ - daily
DK2OM	7046,0	vt	07	06	CHN		PSK4A	60	2350	PRC 30 tone modem - LSB mode - pilot tone 450 Hz
DK2OM	7055,0	vt	dly	06	UKR		LSB			music and Russian voices
DK2OM	7088,8	0854	08	06	S	SL0FRO	A1A			7088.820 kHz - cw-trainee, Sweden - SL0FRO – often - just for info!
DK2OM	7089,8	---	--	06	TUR		PSK8	2400	2400	Link11 - SLEW – aircraft ? west of Izmir
DK2OM	7108,0	vt	07	06	CHN		PSK4A	60	2350	PRC 30 tone modem - LSB mode - pilot tone 450 Hz
DK2OM	7111,0	1300	02	06	RUS		F1B	75	250	Moscow
DK2OM	7111,0	vt	14	06	CHN		PSK4A	60	2350	PRC 30 tone modem - LSB mode - pilot tone 450 Hz
DK2OM	7121,0	vt	21	06	CHN		PSK4A	60	2350	PRC 30 tone modem - LSB mode - pilot tone 450 Hz
DK2OM	7137,0	vt	dly	06	TWN		FSK8 LSB	125	1750	ALE, MIL-188-141A, “FBABA” “FWKMB” “FXIBY” “FCPSL” “FHKHD” “FVIKE” “FHVWY” “FCUGP” “FDRRK” “FWIML” ”FBQCY” ”FCEAX” Taiwanese navy
DK2OM	7140,0	1827	dly	06	ERI		A3E		9k	7140.024 kHz - Radio Eritrea
DK2OM	7157,0	1708	25	06	FEa		FMOP		32k	Codar like ocean surface radar 2.6 sps – 7157 – 7189 kHz
DK2OM	7180,0	1526	dly	06	ERI		A3E		9k	7180.022 kHz - Radio Eritrea
DK2OM	7193,0	---	--	06	RUS	RDL	F1B	50	200	CIS36-50 - Kaliningrad
DK2OM	7197,0	vt	dly	06	TUR		FSK8	125	1750	ALE, „353013“ „334018“ „314013“ - Turkish Sivil Avunma – Turkish Civil Defense
DK2OM	7200,0	1528	01	06	RUS		PSK2A	120	2600	AT3004D – 7198.7 – 7201.3 kHz – Kaliningrad
DK2OM	10100,8	ady	dly	06	D	DDK9	F1B	50	450	Baudot - German Weatherservice – legal!
DK2OM	10114,8	0640	dly	06	RUS		F1B	100	1000	CIS14 – Moscow
DK2OM	10130,0	vt	vd	06			USB			French amateurs not respecting bandplans
DK2OM	10144,0	ady	dly	06	D	DK0WCY	A1A			10144.000 kHz - DK0WCY –

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
										German aurora beacon – just for info!
DK2OM	13903,0	0946	09	06	CHN		FMOP		160k	Chinese wideband OTH radar – 10 sps – 13903 – 14063 kHz
DK2OM	14000,0	1500	dly	06	FEa		USB			Far East pirates – east of Indonesia - daily
DK2OM	14000,0	vt	vd	06	B		USB			Brazilian pirates – Rio with North Brazil
DK2OM	14008,0	0905	24	06	RUS		F1B	50	250	Moscow
DK2OM	14100,0	---	--	06	F		A1A			„051“ loop – daily 1658 – 1710 utc – area of Ternant
DK2OM	14101,0	1419	27	06	CHN		FMOP		10k	Chinese OTH radar – 50 sps – 2.5 sec bursts – 14096 – 14106 kHz
DK2OM	14104,0	0825	01	06	FEa		FMOP		10k	Far East OTH radar – 30 sps
DK2OM	14116,0	1626	22	06	RUS		F1B	75	250	Moscow
DK2OM	14140,0	vt	vd	06	FEa		FMOP		10k	Far East OTH radar – 30 sps – 14140 – 14150 kHz – every 10 minutes – 40 sec blocks
DK2OM	14142,0	1550	11	06	RUS		FMOP		12k	OTH radar Contayner - 40 sps – north of Penza – long lasting
DK2OM	14147,0	1423	27	06	CHN		FMOP		10k	Chinese OTH radar – 66.66 sps – 3.8 sec bursts – „foghorn“ - 14142 – 14152 kHz
DK2OM	14151,0	1328	20	06	CHN		FMOP		160k	Chinese wideband OTH radar – 10 sps – 14151 – 14311 kHz
DK2OM	14151,0	1555	27	06	CHN		FMOP		10k	Chinese OTH radar – 66.66 sps – 3.8 sec bursts – „foghorn“ - 14151 – 14161 kHz
DK2OM	14152,0	1311	15	06	CHN		FMOP		160k	Chinese wideband OTH radar – 10 sps – 14152 – 14312 kHz
DK2OM	14165,0	0944	07	06	CHN		FMOP		10k	OTH radar – 11 sps – 14165 – 14175 kHz – long lasting – area of Chengdu - daily
DK2OM	14170,0	1017	27	06	CHN		FMOP		10k	Chinese OTH radar – 66.66 sps – 3.8 sec bursts – „foghorn“ - 14170 – 14180 - jumping
DK2OM	14171,0	0756	10	06	RUS		PSK2A	120	2600	AT3004D - Moscow
DK2OM	14172,0	1548	27	06	CHN		FMOP		10k	Chinese OTH radar – 66.66 sps – 3.8 sec bursts – „foghorn“ - 14172 – 14182 kHz
DK2OM	14180,0	1305	11	06	CHN		FMOP		160k	Chinese wideband OTH radar – 10 sps – 14180 – 14340 kHz
DK2OM	14181,0	0853	12	06	RUS		FMOP		12k	OTH radar Contayner - 40 sps – north of Penza – long lasting
DK2OM	14184,0	1022	27	06	CHN		FMOP		10k	Chinese OTH radar – 42 sps – 6 sec bursts – 14184 – 14194 kHz - jumping
DK2OM	14185,0	0945	11	06	RUS		FMOP		12k	OTH radar Contayner - 40 sps – north of Penza – long lasting
DK2OM	14186,0	0813	03	06	RUS		F1B	50	500	much QSB
DK2OM	14186,0	1403	07	06	RUS		FMOP		12k	OTH radar Contayner - 40 sps – north of Penza – long lasting
DK2OM	14186,0	0813	09	06	CHN		FMOP		160k	Chinese wideband OTH radar – 10 sps – 14186 – 14346 kHz
DK2OM	14192,0	0800	01	06	RUS		F1B	50 75 50 100 100	500 500 200 500 200	RUS navy Kaliningrad – often with 50 Bd and 200 Hz shift
DK2OM	14200,0	1416	27	06	CHN		FMOP		10k	Chinese OTH radar – 66.66 sps – 3.8 sec bursts – „foghorn“ - 14195 – 14205 kHz
DK2OM	14202,0	0916	24	06	CHN		FMOP		160k	Chinese wideband OTH radar – 10 sps – 14202 – 14362 kHz
DK2OM	14220,0	0830	13	06	RUS		FMOP		12k	OTH radar Contayner - 40 sps – north of Penza – together with

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
										14142 kHz
DK2OM	14221,0	2046	09	06	KAZ		F1B	50	200	area of Baineu – West Kazakhstan - mostly idling - every evening
DK2OM	14230,0	0815	03	06	CHN		FMOP		10k	Chinese OTH radar – 83 sps – 3 sec bursts
DK2OM	14238,4	1013	27	06			F1B	600	600	DPRK-FSK 600
DK2OM	14242,0	0737	08	06	RUS		PSK2A	120	2600	AT3004D - Moscow
DK2OM	14243,0	0952	09	06	CHN		FMOP		160k	Chinese wideband OTH radar – 10 sps – 14243 – 14403 kHz
DK2OM	14258,0	0935	14	06	RUS		FMOP		12k	OTH radar Contayner - 40 sps – north of Penza
DK2OM	14260,0	1643	11	06	CHN		FMOP		160k	Chinese wideband OTH radar – 10 sps – 14260 – 14420 kHz – area of Wuhan
DK2OM	14265,0	0822	08	06	CHN		FMOP		10k	Chinese OTH radar – 30 sps – 14260 – 14270 kHz – every 11 minutes – 50 - 70 sec blocks – daily – area of Zaoyang
DK2OM	14272,0	1030	20	06	RUS		F1B	75	500	Moscow
DK2OM	14280,0	---	--	06	UKR		A3E			female voice with encrypted msgs – figures – “SZRU” = Foreign Intelligence Service of Ukraine in Rivne
DK2OM	14282,0	0817	03	06	CHN		FMOP		10k	Chinese OTH radar – 66.66 sps – 3.8 sec bursts – „foghorn“ - jumping
DK2OM	14292,0	1305	15	06	RUS	9YBZ	A1A			encrypted CW – „XIM5“ – RUS mil
DK2OM	14295,2	ady	dly	06	TJK		A3E/BC		9k	14295.163 kHz -3rd from Radio Tajik on 4765 kHz – daily, all day
DK2OM	14298,0	0843	05	06	FEa		FMOP		10k	Far East OTH radar – 40 sps
DK2OM	14317,0	0945	09	06			A1A			encrypted CW
DK2OM	14333,0	1252	08	06	RUS		FMOP		12k	OTH radar Contayner - 40 sps – north of Penza – long lasting
DK2OM	14348,5	vt	dly	06	THA	HS0ZEA	A1A			HS0ZEA beacon – 14348.488 kHz - every 5 minutes – daily - just for info!
DK2OM	18080,0	0625	dly	06	TWN		A3E/BC			Sound of Hope – Taiwan and Chinese BC jammer – daily at 06 utc and later
DK2OM	18107,0	---	--	06	RUS	RDL	F1B	50	200	CIS-50-200 - Moscow – idle and traffic – daily - Russian navy – shared band!
DK2OM	18150,0	---	--	06	RUS		F1B	100	1000	harmonic from 9075 (100 Bd, 500 Hz) - Kaliningrad
DK2OM	21000,0	---	--	06	B		USB			Brazilian pirates – Rio de Janeiro with North Brazil – very often
DK2OM	21030,0	0758	20	06	CYP		FMCW		20k	UK OTH radar – Cyprus – 50 sps
DK2OM	21093,0	0954	11	06	CHN		FMOP		160k	Chinese wideband OTH radar – 10 sps – 21093 – 21253 kHz
DK2OM	21101,0	0951	11	06	CHN		FMOP		160k	Chinese wideband OTH radar – 10 sps – 21101 – 21261 kHz
DK2OM	21127,0	0810	28	06	CHN		FMOP		10k	Chinese OTH radar – 50 sps – 5 sec bursts - jumping
DK2OM	21130,0	1050	13	06	CYP		FMCW		20k	UK OTH radar – Cyprus – 50 sps
DK2OM	21130,0	0820	20	06	CYP		FMCW		20k	UK OTH radar – Cyprus – 50 sps
DK2OM	21145,0	vt	dly	06	MRC		FSK8	125	1750	ALE, “A” “B301” “C3”, “IR4” “H4” “IR6” “T4” “E4” “A2” “CD” “K3” “KB2” “J5” “J52” “GR2” “GS4” “R3” “R301” “R33” “R8” “R5” “Y1” “S51” “S3” “S4” “S512” “S552” “G2” “G501” - various times, daily

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DK2OM	21150,0	0934	06	06	CYP		FMCW		20k	UK OTH radar Cyprus – long lasting
DK2OM	21213,0	0842	10	06	CHN		FMOP		10k	Chinese OTH radar – 66.66 sps – 3.8 sec bursts – „foghorn“ - jumping
DK2OM	21230,0	0912	21	06	CYP		FMCW		20k	UK OTH radar – Cyprus – 50 sps
DK2OM	21234,0	0826	10	06	CHN		FMOP		160k	Chinese wideband OTH radar – 10 sps – 21234 – 21394 kHz
DK2OM	21265,0	0901	30	06	CHN		FMOP		10k	Chinese OTH radar – 21260 – 21270 - 66.66 sps – 3.8 sec bursts – „foghorn“ - - jumping
DK2OM	21283,0	0840	29	06	CHN		FMOP		10k	Chinese OTH radar – 66.66 sps – 3.8 sec bursts – „foghorn“ - jumping
DK2OM	21287,0	0910	15	06	CHN		FMOP		160k	Chinese wideband OTH radar – 10 sps – 21287 – 21447 kHz
DK2OM	21330,0	1554	23	06	CYP		FMCW		20k	UK OTH radar – Cyprus – 50 sps
DK2OM	21438,0	1530	01	06	RUS	RCV	A1A			RIP90 de RCV - RUS Navy Sevastopol - often
DK2OM	21446,0	---	--	06	THA	HS0ZEA	A1A			HS0ZEA beacon – every 5 minutes - just for info!
DK2OM	25000,0	---	--	06	FIN		A3E			time signal Helsinki – just for info – carrier on 25000 – dots on 25001 and 24999 – under Es conditions audible in DL
DK2OM	28000,0	---	--	05	B		A3E			Brazilian CBers – 28000 – 28325 – daily, all day - no change
DK2OM	28000,0	vt	vd	06	CIS		F3E			28000 – 29700 numerous CIS taxi nets – no change
DK2OM	28015,0	0911	20	06	E		A3E			Spanish CBers
DK2OM	28025,0	1437	22	06	IRN		AM pulse?		50k	Iranian radar - 307 sps - jumping
DK2OM	28035,0	1016	18	06	CIS		F3E			CIS taxi
DK2OM	28065,1	1922	12	06	POR ?		F1B	51	300	F1B bursts - west of Lisbon – Atlantic Ocean - Enagal GPS buoy
DK2OM	28085,1	1900	19	06	POR ?		F1B	51	300	F1B bursts - west of Lisbon – Atlantic Ocean - Enagal GPS buoy
DK2OM	28168,0	1439	22	06	IRN		AM pulse?		50k	Iranian radar - 307 sps - jumping
DK2OM	28175,0	0840	16	06	CIS		F3E			CIS taxi – base station and taxi
DK2OM	28205,0	1710	14	06	I		A3E			Italian CBers
DK2OM	28245,0	0920	20	06	E		A3E			Spanish CBers
DK2OM	28255,0	1440	22	06	IRN		AM pulse?		50k	Iranian radar - 307 sps - jumping
DK2OM	28265,0	1020	21	06	CIS		F3E			CIS taxi – base station and taxi
DK2OM	28275,1	1535	18	06	POR ?		F1B	51	300	F1B bursts - west of Lisbon – Atlantic Ocean - Enagal GPS buoy
DK2OM	28305,0	112	18	06	E		F3E			Spanish CBers – long lasting
DK2OM	28305,0	0929	20	06	CIS		F3E			CIS taxi – base station and taxi
DK2OM	28309,0	1441	22	06	IRN		AM pulse?		50k	Iranian radar - 307 sps - jumping
DK2OM	28310,0	1445	22	06	IRN		AM pulse?		50k	Iranian radar - 307 sps - jumping
DK2OM	28330,0	0940	19	06	CYP		FMCW		20k	UK OTH radar – Cyprus – 50 sps
DK2OM	28330,0	1445	22	06	IRN		AM pulse?		50k	Iranian radar - 307 sps - jumping
DK2OM	28860,0	1553	01	06	IRN		AM pulse?		40k	Iranian radar - 28837 – 28883 kHz – 150 sps – 313 sps alternating – North Iran
DK2OM	29255,0	0758	16	06	IRN		AM pulse?		55k	Iranian radar - 29222 – 29277 kHz – 307 sps – 870 sps alternating

DK2OM	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/SP	DETAILS
DK2OM	29320,0	1448	22	06	IRN		AM pulse?		50k	Iranian radar - 307 sps - jumping
DK2OM	29685,0	0800	17	06	I		VFT		2300	Italian MIL – Brescia - daily
DK2OM	29699,5	0800	17	06	I		VFT		1600	Italian MIL – Brescia - daily

IRTS – Ireland – EI3GYB (Michael)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	DETAILS		
IRTS	1920	2150	02	06	POR or MM		USB	2 Portuguese fishermen, very strong signals.		
IRTS	3550	0600	04	06	F		AM	Group of French HAMs violating the band plan.		
IRTS	3590	0605	04	06	F		AM	Second group of French HAMs violating the band plan.		
IRTS	3752.5	1815	22	06	E or MM		USB	2 Spanish fishermen with monster signals. Loud motor noise from both ships.		
IRTS	5330	0745	16	06	F or MM		USB	2 French fishermen. Huge signals. Splattering down to 5330.5 kHz- an Irish 5 MHz spot frequency.		
IRTS	5368	1955	28	06	RUS/C HN		FMOP	Radar from 5368 to 5412 kHz. Heard very often in the evening and hours of darkness. Makes any 5 Mhz contact miserable.		
IRTS	5375	0855	24	06	POR or MM		USB	2 Portuguese fishermen, strong clear signals.		
IRTS	5400	0610	14	06	E or MM		USB	Group of Spanish fishermen. Heard also: 14 th at 2305z. 15 th at 1935z. 18 th at 1900z. 24 th at 0600. 25 th at 1340z. 30 th at 0910z. Always very good signals.		
IRTS	5400	0745	15	06	UK		AM	Intermodulation or harmonic product from KBS Korean language service via Woofferton relay station on 9860kHz. Heard on several days of the month.		
IRTS	5398.5	1515	30	06	UK		CW	D-QRM targeted at the RSGB news. Someone does continuous keying. Quite a regular event now. The culprit is somewhere in the UK. Anyone for a fox hunt? Sunday afternoon around 4o' clock local time seems to be the perfect opportunity!		
IRTS	5405	1100	20	06	POR or MM		USB	Portuguese fishermen. Medium strength signal. Also heard on 21 st at 1520z.		
IRTS	7055	1200	09	06	RUS/UKR		LSB	Russian-Ukrainian radio war. Heard less often this month.		
IRTS	7060	0615	24	06	E or MM		USB	2 Spanish fishermen with good signals.		
IRTS	7113	0820	24	06				Huge digital signal		
IRTS	7140	1639	30	06	ERI		AM	Radio Eritrea. Weak signal. Heard a few times during the month.		
IRTS	7163	1810	13	06				Big digital signal		
IRTS	7180	1825	13	06	ERI		AM	Radio Eritrea, strong. Heard on several days of the month.		
IRTS	7180	1150	22	06				Big digital signal.		
IRTS	10109	1210	03	06			FMOP	Radar from 10109 to 10130 kHz.		
IRTS	14103	1750	13	06	USA		USB	Clicking sound- 1 click per second. Ends at 2115z. Very strong signal.		
IRTS	14108	0850	25	06			FMOP	Radar from 14108 to 14156 kHz.		
IRTS	14159.5	1020	24	06			F1B	Another digital signal.		
IRTS	14191	0845	01	06	RUS		F1B	Russian navy, Kaliningrad. All hours of daylight every single day.		
IRTS	14239.5	0830	24	06			F1B	Strong digital signal.		
IRTS	14252	1610	30	06			USB	D-QRM against a South Sudanese station. Persistent and strong.		
IRTS	14259	1500	11	06			FMOP	Radar from 14259 to 14269 kHz.		
IRTS	14295	1635	15	06	TJK		AM	Radio Tajikistan, 3 rd harmonic. Heard with weak signal many times.		
IRTS	14346	0910	11	06			FMOP	Radar from 14346 to 14366 kHz.		

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	DETAILS	
IRTS	18070	0705	19	06			FMOP	Radar from 18070 to 18079 kHz.	
IRTS	18080	0745	11	06	TWN		AM	Sound of Hope, Taipei. Heard daily with a weak signal.	
IRTS	28410	1205	20	06	IRN		FMCW	Radar from 28410 to 28460 kHz.	
IRTS	28835	0905	10	06	IRN		FMCW	Radar from 28835 to 28880 kHz.	
IRTS	29049	1000	19	06			F1B	Heard nearly all day during a big sporadic e opening.	

KARS – Kuwait – 9K2RR (Faisal)

MRASZ – Hungary - HA7PL (Laci)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
MRASZ	3527,0	1916	3	6			PSK2		AT3004D
MRASZ	3558,0	1851	25	6			PSK2		AT3004D
MRASZ	3597,0	1915	3	6			PSK2		AT3004D
MRASZ	3650,0	1912	3	6			A3E		unidentified
MRASZ	3650,0	1924	13	6			A3E		unidentified
MRASZ	3758,0	1954	18	6			PSK2		AT3004D
MRASZ	3785,0	1848	25	6			PSK2		AT3004D
MRASZ	7036,0	1953	18	6			PSK2		AT3004D
MRASZ	7055,0	1929	28	6			LSB		chaos
MRASZ	7140,0	1717	25	6	ERI		A3E		R. Eritrea
MRASZ	7140,0	1813	29	6	ERI		A3E		R. Eritrea
MRASZ	7180,0	1717	25	6	ERI		A3E		R. Eritrea
MRASZ	7180,0	1814	29	6	ERI		A3E		R. Eritrea
MRASZ	10072,0	0939	13	6			OTHR		10010-10124 kHz
MRASZ	10108,0	0806	15	6			F1A	200	"28045 82775 65248" 5f
MRASZ	10108,0	0710	29	6			F1B	200	
MRASZ	10118,0	1755	25	6			F1B	250	
MRASZ	14192,0	0858	7	6	RUS		F1B	200	Rus. Navy, Kaliningrad
MRASZ	14192,0	1530	11	6	RUS		F1B	200	Rus. Navy, Kaliningrad
MRASZ	14192,0	0836	13	6	RUS		F1B	200	Rus. Navy, Kaliningrad
MRASZ	14192,0	0804	15	6	RUS		F1B	200	Rus. Navy, Kaliningrad
MRASZ	14192,0	1905	17	6	RUS		F1B	200	Rus. Navy, Kaliningrad
MRASZ	14192,0	1853	20	6	RUS		F1B	200	Rus. Navy, Kaliningrad
MRASZ	14192,0	0709	29	6	RUS		F1B	200	Rus. Navy, Kaliningrad
MRASZ	14192,0	1810	29	6	RUS		F1B	200	Rus. Navy, Kaliningrad
MRASZ	14240,0	0549	14	6			F1B	250	
MRASZ	14240,0	1318	15	6			OTHR		14230-14250 kHz
MRASZ	14333,0	0549	14	6			OTHR		14325-14341 kHz
MRASZ	18109,0	0850	13	6			PSK2		AT3004D

OEVSV – Austria – OE3GSA (Gerd)

REF – France – F5MIU (Francis)

not available

REP – Portugal – CT4AN (Jose Francisco)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
REP	3500	21.57	09	06	E		J3E U			fishery
REP	3520	21.51	10	06	F		J3E-U			fishery
REP	3550	07.17	01	06	POR		J3E-U			fishery
REP	3550	06.35	30	06	F		A3E			French amateurs ignoring Bandplans
REP	3552	19.32	03	06			PSK-4			Stanag 4285 NATO, shared band

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
REP	3580	06.34	30	06	F		A3E			French amateurs ignoring Bandplans
REP	3585	21.17	09	06	E		J3E U			fishery CRY2000 voice scramble
REP	5354	21.42	05	06			PSK			NATO Link11 CLEW DSB, just FYI as shared band
REP	5355	08.00	12	06	IRL		J3E-U			fishery
REP	7010	10.02	21	06	RUS		PSK2	120	3k	AT3004D Modem, encrypted
REP	7010	08.44	09	06	MRC		J3E-U			Fishery, Arabic/French language
REP	7025	07.16	09	06	B		J3E-U			fishery, daily
REP	7070	18.45	04	06	GEO	524	MFSK-8			Mil Std 188-141A Ale
REP	7140	18.40	18	06	ETH		A3E			Radio of the Broad Masses of Eritreia, Ethiopia, illegal broadcasting
REP	7195	12.00	20	06	TUR	30713	MFSK8	125	3k	Mil
REP	10101	08.34	26	06	MRC		J3E U			fishery
REP	10120	09.19	17	06	MRC		J3E-U			fishery
REP	10125	08.35	18	06	E		J3E-U			Fishery
REP	14025	07.50	05	06	CHN		FMOP	20	10	OTH
REP	14141	11.00	04	06			F1B	75	500	Unis F1B encrypted
REP	14192	07.59	01	06	RUS		F1B	50	200	Navy, daily
REP	14200	16.00	09	06	RUS		FSK	50	200	Navy calling
REP	14230	07.37	03	06	CHN		FMOP	83		Burst mode Chinese OTH radar
REP	18080	12.37	14	06	CYP		FMCW	50	20k	Cyprus OTH radar
REP	21000	15.05	16	06	MRC		J3E-U			fishery
REP	28015	09.18	20	06	RUS		F3E			Russian language female taxi dispatcher
REP	28016,5	09.17	20	06			F3E			Unid PACTOR-1 sellcall
REP	28055	12.59	12	06		COM	A1A			CW fishery buoy
REP	28100	11.10	04	06	E		J3E-U			CB
REP	28125	09.19	20	06	RUS		F3E			Russian language taxi dispatcher
REP	28265	10.01	20	06	RUS		F3E			Russian language taxi dispatcher
REP	28475	20.37	19	06	G		F3E			UK CB rs FM mode
REP	28725	10.22	04	06	RUS		F3E			Taxis dispatchers
REP	28860	09.59	12	06	IRN		FMOP			Iranian OTH radar, daily
REP	29250	17.59	11	06			F1B	81	180	Datawell GPS buoy
REP	28xxx	daily					F1B			Enagal GPS buoys
REP	28xxx	daily					A1A			Fishing net buoy CW
REP	28xxx	daily			RUS		F3E			Russian language taxi dispatchers

RSGB – United Kingdom – G4DYA (Richard)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/BW	DETAILS
RSGB	5262.0	1610	16	06			J7D			USB 5360.0 / CIS-12 For info: Primary user
RSGB	7008.0	1747	14	06			F1B	250		
RSGB	7010.0	1735	18	06			J7D		2K70E	USB 7008.0 / CIS-12
RSGB	7018.0	2144	17	06			J7D		2K70E	USB 7016.0 / CIS-12 IMD spreading
RSGB	7020.0	0735	14	06			F1B	250		
RSGB	7022.0	1749	14	06			J7D		2K70E	USB 7020.0 / CIS-12
RSGB	7034.0	1738	18	06			F1B	250		
RSGB	7038.5	ady	dly	06	CZE	OK0EU	A1A			For info: QRP propagation beacon
RSGB	7075.0	1522	18	06			J3E			USB unidentified voice
RSGB	7140.02	vt	vd	06	ERI	VoBM1	A3E			BC
RSGB	7180.02	vt	vd	06	ERI	VoBM2	A3E			BC
RSGB	10100.8	ady	dly	06	D	DDK9	F1B	50	450	For info: Primary user: WX broadcast

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH/BW	DETAILS
RSGB	14192.0	vt	01-09, 12,14, 16-30	06			F1B		200	
RSGB	14242.0	0737	08	06			J7D		2K70E	USB 14240.0 / CIS-12
RSGB	21150.0	0844	06	06			P0N		20K0E	

RSK – Kenya – 5Z4BV (Kamweti)

Soc	kHz	UTC	dd	mm	ITU	IDENT	MODE	Shift	Details
RSK	7018	a.m.	occ.	6	E. Africa?	?	J3E-u		Kiswahili/vernacular msg net
RSK	7027	1503	20	6	Central Africa?	?	J3E-u		French/vernacular msg net
RSK	7065	v.t.	5	6	Kenya	?	PSK	2750	3G ALE / STANAG 4538
RSK	7089,1	v.t.	occ.	6	Central Africa?	?	J3E-u		French/vernacular msg net
RSK	7130	v.t.	nr.dly	6	Central Africa?	?	J3E-u		Kiswahili/Vernacular msg net
RSK	7140	v.t.	dly	6	Eritrea	VOB 1	A3E		Commercial broadcast Voice of the Broad Masses of Eritrea 1
RSK	7150	v.t.	nr.dly	6	E. Africa?	?	MFSK	2000	2G ALE
RSK	7180	v.t.	dly	6	Eritrea	VOB 2	A3E		Commercial broadcast Voice of the Broad Masses of Eritrea 2

SRAL – Finland – OH2BLU (Pekka)

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	REMARKS
SRAL	7000.0	1545- 1555/	26	6		UiMUX	PSK2	120	2600	
SRAL	7000.0	'0810	15	6	RUS	UiVOX	J3E-u			S9+20
SRAL	7006.4	1450- 1700	9	6		UiCarr	N0N			
SRAL	7008.0	0415- 1845	*	6	RUS	UiPTR	F1B		250	Days: 13. 21. 22. 28.
SRAL	7010.0	1245- 1845	18 19	6	RUS	UiMUX	PSK2	120	2600	
SRAL	7013.0	'0815	18	6	RUS	UiVOX	J3E-u			1 2 3 ... priom
SRAL	7014.5	0815/	18	6	RUS	UiPTR	F1B		500	Unstable fq
SRAL	7017.2	'0730-	18	6	RUS	UiPTR	F1B		500	Unstable fq
SRAL	7022.0	1320- 1835	*	6	RUS	UiMUX	PSK2	120	2600	Days: 14. 20. 29.
SRAL	7025.0	/0520- 1615	*	6	RUS	UiPTR	F1B/A		200	Days: 2. 3. 6. 8. 9. 12. 18., 5F
SRAL	7027.0	1245	21	6	RUS	UiMUX	PSK2	120	2600	
SRAL	7033.9	1300- 1330/	3	6		UiPTR	F1B		500	
SRAL	7034.0	1315- 1850/	*	6	RUS	UiPTR	F1B/ N0N		250	Days: 4. 18. 26.
SRAL	7066.0	1430- 1700/	14	6	RUS	UiMUX	PSK2	120	2600	
SRAL	7066.0	0915- 1700/	18	6		P4CM	F1A/ N0N		200	
SRAL	7110.0	1440- 1500/	6	6		UiPTR	F1B		250	
SRAL	7110.0	1145- 1200	22	6		UiCW	A1A			5BL, S9+20
SRAL	7111.0	1200- 1345/	2	6	RUS	UiPTR	F1B		250	
SRAL	7112.0	1140-	3 19	6		UiMUX	PSK2	120	2600	

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	REMARKS
		1500								
SRAL	7117.0	0530-1930	17 18	6		UiPTR	F1B/ N0N		200	
SRAL	7120.0	'0755	23	6		UiPTR	F1B			
SRAL	7140.0	0500-0730	dly	6	ERI	VoBME	A3E			
SRAL	7140.0	1400-1840/	dly	6	ERI	VoBME	A3E			
SRAL	7158.0	0730-0800	18	6		UiPTR	F1B/ N0N		250	
SRAL	7160.0	1245	1	6		UiMUX	PSK2	120	2600	
SRAL	7162.0	0615-1830	*	6	RUS	UiPTR	F1B		250	
SRAL	7167.0	0830-1520/	1 5	6		UiPTR	F1B		900	
SRAL	7169.0	1040-1320	17 18	6		UiPTR	F1B		250	
SRAL	7172.0	'0810	22	6		UiMUX	PSK2	120	2600	Days: 20. 21. 24.
SRAL	7176.0	0800-0915	1 16	6		UiPTR	F1B		250	
SRAL	7178.0	1145	3	6		UiMUX	PSK2	120	2600	
SRAL	7180.0	0500-0730	dly	6	ERI	VoBME	A3E			
SRAL	7180.0	1400-1840/	dly	6	ERI	VoBME	A3E			
SRAL	7184.0	1215-1225/	12	6		UiMUX	PSK2	120	2600	
SRAL	7190.0	1445-1610/	22 23	6		UiCarr	N0N			
SRAL	7197.0	1100-1145	22	6		UiMUX	PSK2	120	2600	
SRAL	7198.0	0500-1030	4 24	6	RUS	UiMUX	PSK2	120	2600	
SRAL	7200.0	1425	1	6	RUS	UiMUX	PSK2	120	2600	
SRAL	10 MHz	0600-1630	*	6	CYP	UiOTHR	FMCW			25/50Hz, 20kHz, days: 1. 2. 3. 18. (WebSDR 5d)
SRAL	10 MHz			6	RUS	Kontainer	FMCW			40Hz/ 15kHz
SRAL	14 MHz	0930-1000	10	6	CHN	UiOTHR	FMCW			20Hz/ 10kHz
SRAL	14 MHz	1620	11	6	CHN	UiOTHR	FMCW			10Hz/ 15kHz
SRAL	14 MHz	0530-0730	*	6	RUS	Kontainer	FMCW			40Hz/ 15kHz, days: 7. 11. 13. 14. 15.
SRAL	14006.0	0940-0946/	10	6	RUS	UiMUX	PSK2	120	2600	
SRAL	14008.0	1035-1130	16 27	6	RUS	UiPTR	F1B		250	
SRAL	14026.0	0840-0910	1	6		UiMUX	PSK2	120	2600	
SRAL	14100.0	0740-0750/	12	6	POL	111	A1A			TDoA: 53.00/17.60
SRAL	14108.0	0500-1230	*	6	RUS	XYTU etc	A1A			Days: 1. 4. 7. 10. 17. 22. 26. 27. - 29.
SRAL	14116.0	0500-1230	22 23	6		UiPTR	F1B			
SRAL	14118.0	0525-1435	*	6	RUS	JRGB etc	A1A			Days: 4. 14. 27.
SRAL	14160.0	0500-1335	*	6	RUS	UiPTR	F1B		200	
SRAL	14160.0	0500-1250	24	6	RUS	UiPTR	F1B		250	
SRAL	14162.0	1204-1305	16	6		UiMUX	PSK2	120	2600	
SRAL	14192.0	0420-1830	dly	6	RUS	UiPTR	F1B		200	
SRAL	14221.0	0200-0600/	dly	6	KGZ	UiPTR	F1B		200	

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	REMARKS
SRAL	14228.0	0900-1040	23	6		UiPTR	F1B			
SRAL	14240.0	'0525	14	6	RUS	UiMUX	PSK2	120	2600	
SRAL	14242.0	0520-0545/	18	6	RUS	UiMUX	PSK2	120	2600	
SRAL	14271.9	/1105-1330	20	6	RUS	UiPTR	F1B		325	
SRAL	14274.0	1000-1105	20	6		UiPTR	F1B		500	
SRAL	14292.0	'0645	14	6	RUS	YBZ9	A1A			5BL
SRAL	14295.2	040-1830	dly	6	TJK	R Tojikiston	A3E			3f
SRAL	14317.0	0900-1220	*	5		UiCW	A1A			5BL
SRAL	18 MHz	0855-1300	*	6	CYP	UiOTHR	FMCW			25/50Hz/20kHz, days: 5. 16. (WebSDR 9d)
SRAL	18080.0	0600-0800	*	6	TWN	Sound of Hope	A3E			CHN jam by BC, days: 1. 2. 7. 8. 13. 15. 16. 18. 20. 23. 24. 25. 29. 30.
SRAL	18150.0	'0825	14	6	RUS	UiPTR	F1B		1000	
SRAL	21 MHz	0530-1100	*	6	CYP	UiOTHR	FMCW			25/50Hz/20kHz, days: 13. 14. 16. 20. 21. (WebSDR 9d)
SRAL	21438.0	/0830-1430	*	6	RUS	RCV	A1A			Days: 1. - 5. 10. 11. 12. 15. - 19. 21. 22. 23. 25. 26. 29.
SRAL	24 MHz			6		UiOTHR	FMCW			(WebSDR 0d)
SRAL	28 MHz	0530-1830	*	6	IRN	UiOTHR	FMCW			307 & 870Hz / 60 kHz. Days: 15. 16. 20. 25.
SRAL	28860.0	0400-1830	*	6	IRN	UiOTHR	FMCW			150 & 313Hz / 60 kHz. Days: 2. 4. 5. 10. - 21. 23. 25. 28. 29. 30.
SRAL	28 MHz	0910-0950/	19	6	CYP	UiOTHR	FMCW			50Hz/ 20kHz
SRAL	28 MHz	0400-1830	*	6	RUS	Taxi disp.	F3E			145 reports, days: 2. 4. 12. 13. 15. 16. 18. 19. 20. 21. 23. 25. 28. 29. 30.

URE – Spain – EA6AMM (Gaspar)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
URE	7140	VT	VD	6	ERI		A3E			Broadcasting, Radio Voice of the Broad Masses 1.
URE	7180	VT	VD	6	ERI		A3E			Broadcasting, Radio Voice of the Broad Masses 2
URE	10116	20:00	25	6			F1B		250	
URE	10130	22:35	3	6			FMOP		20 k	OTH Radar bursts from 10125 to 10135 kHz
URE	10150	17:20	1	6			FMOP		20 k	OTH Radar from 10140 to 10150 kHz
URE	14108	06:15	1	6		OEFX	A1A			Coded CW transmissions between two stations. One ids as "OEFX"
URE	14113.5	06:02	5	6			F1B	600	600	DPRK-FSK 600
URE	14116	08:57	3	6			F1B		250	
URE	14141	10:39	4	6			F1B		500	
URE	14142	08:40	12	6	RUS		FMOP		12 K	OTH Radar Contayner.40 sps. N of Penza.
URE	14146.5	11:01	5	6			FMOP		12 k	OTH Radar
URE	14160	18:33	24	6			F1B		250	
URE	14181	08:55	12	6	RUS		FMOP		12 k	OTH Radar Contayner. 40 sps. N of Penza.
URE	14185	10:00	11	6	RUS		FMOP		12 k	OTH Radar Contayner. 40 sps. N of Penza.
URE	14192	VT	VD	6	RUS		F1B	50	200	RUS Navy Kaliningrad
URE	14272	09:56	20	6			F1B		500	
URE	28010	13:54	1	6			A1A			12 sec dash and DN. Fishery buoy

USKA – Switzerland – HB9CET (Peter)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH (BW)	DETAILS
USKA	7004.0	2241	02	06			MFSK8	125	1750	ALE, MIL 188-141A
USKA	7010.0	1736	18	06			J7D	12x120	2k7	PSK-2; CIS12 aka AT3004D
USKA	7034.0	1739	18	06			F1B	75	250	
USKA	7092.0	0749	24	06			MFSK8	125	1750	ALE, MIL 188-141A
USKA	7107.8	2144	03	06		various	F1B	100	170	CODAN Selcall
USKA	7119.0	1449	05	06			J7D	12x120	2k7	PSK-2; CIS12; aka AT3004D often
USKA	7140.7	2146	03	06		various	F1B	100	170	CODAN Selcall
USKA	7146.7	2147	03	06		various	F1B	100	170	CODAN Selcall
USKA	7150.0	2202	25	06		1128; var	MFSK8	125	1750	ALE, MIL 188-141A; To: 3847
USKA	7169.0	0801	28	06			F1B	75	250	
USKA	7176.0	0843	01	06			F1B	75	250	
USKA	7176.0	2149	03	05			J7D	12x120	2k7	PSK-2; CIS12 aka AT3004D
USKA	7180.0	1741	12	06	ERI	VOBM	A3E		~ 9k	BC almost daily
USKA	7197.0	2059	05	06	TUR	309018	MFSK8	125	1750	ALE, MIL 188-141A
USKA	7197.0	2054	19	06	TUR	313013	MFSK8	125	1750	ALE, MIL 188-141A
USKA	7197.0	0807	28	06			G1D	2400	2400	MIL 188-110A
USKA	7198.0	2131	23	06			J7D	12x120	2k7	PSK-2; CIS12 aka AT3004D
USKA	14006.0	0944	10	06			J7D	12x120	2k7	PSK-2; CIS12 aka AT3004D
USKA	14008.0	0813	24	06			F1B	50	250	often
USKA	14013.5	1356	04	06			F1B	600	600	ARQ
USKA	14026.0	0846	01	06			J7D	12x120	2k7	PSK-2; CIS12 aka AT3004D
USKA	14102.0	0811	11	06			OFDM60	30	~ 2.75k	PSK4; spacing 44.45Hz; pilottone
USKA	14112.0	0806	11	06			J7D	12x120	2k7	PSK-4; CIS12 aka AT3104D
USKA	14141.0	1138	04	06			F1B	75	500	
USKA	14141.0	0855	13	06			FMOP	40 sps	appx 12k	OTHR; (long lasting) often
USKA	14160.0	0730	24	06			F1B	75	250	CIS
USKA	14171.0	1406	13	06			FMOP	40 sps	appx 12k	OTHR
USKA	14181.0	0814	12	06			FMOP	40 sps	appx 12k	OTHR
USKA	14184.0	0943	11	06			FMOP	40 sps	appx 12k	OTHR
USKA	14186.0	1402	12	06			FMxx		appx 10k	OTHR; Bursts
USKA	14190.0	0852	13	06			FMOP	40 sps	appx 12k	OTHR; (long lasting)
USKA	14192.0	0849	01	06			F1B	50	200	daily
USKA	14221.0	2056	05	06			F1B	50	200	often
USKA	14240.0	0735	24	06			F1B	75	250	
USKA	14260.0	1316	11	06			FMOP	10 sps	160k	OTHR often
USKA	14268.0	1529	10	06			FMOP	10 sps	160k	OTHR; (long lasting)
USKA	14275.0	1141	03	06			N0N			Long lasting carrier
USKA	14292.0	0937	11	06		various	A1A			4-letter id's often
USKA	14295.0	1522	19	06	TJK		A3E			3 rd of Radio Tajikistan often
USKA	14316.9	1236	14	06			A1A			letters and figures (no ham)
USKA	14322.0	1235	14	06			FMxx	30 sps	10k	OTHR; Bursts, BRI 11s
USKA	14340.0	1554	11	06			FMOP	10 sps	160k	OTHR, Bursts of appx 40s
USKA	18080.0	0608	08	06			A3E		appx 10k	BC: Chinese often
USKA	18080.0	1225	14	06			FMCW	50 sps	20k	OTHR
USKA	18109.0	0849	13	06			J7D	12x120	2k7	PSK-4; CIS12 aka AT3104D
USKA	21150.0	0805	06	06			FMCW	50 sps	20k	OTHR
USKA	21438.0	0851	01	06	RUS	RCV	A1A			letters + figures almost daily
USKA	28055.2	1345	12	06		COM	A1A			Fishery buoy
USKA	28065.0	1342	12	06		VIM	A1A			Fishery buoy
USKA	28085.0	1556	17	06			F1B	51	300	ENAGAL Fishery buoy
USKA	28085.15	1606	17	06			F1B	51	300	ENAGAL Fishery buoy
USKA	28089.5	1550	17	06		AY	A1A			Fishery buoy

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH (BW)	DETAILS
USKA	28179.5	1724	18	06		FA	A1A			Fishery buoy
USKA	28229.6	1718	18	06		ZA	A1A			Fishery buoy
USKA	28329.0	0925	19	06			FMCW	50 sps	20k	OTHR, (TDoA: Cyprus)
USKA	28330.6	1713	18	06		EZ	A1A			Fishery buoy
USKA	28366.0	1350	12	06		HN	A1A			Fishery buoy
USKA	28860.0	0654	05	06			Puls	150 + 313 sps	appx 45k	OTHR, Bursts, various sweep-rates and durations daily
USKA	28989.0	0907	19	06			FMxx	50 sps	20k	OTHR (long lasting)

Veron – Netherlands – PG1R (Ruud)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SHIFT	DETAILS
VERON	3562,0	2017	18	06	CIS	VGGX	A1A		Proc's/Calls to C5BE ON1C QYOX
VERON	3562,0	2024	18	06	CIS	VGGX	A1A		QYOX de VGGX QTC 335 21 18 2305 335 = 359 = DDDDD 5BL
VERON	7008,0	1837	14	06	RUS	UiPtr	F1B		Ptr
VERON	7055,0	1656	08	06	RUS/UKR		J3E-1		Comments; S8
VERON	7055,0	1656	08	06	RUS/UKR		J3E-1		Second TX same freq; Comments; S6
VERON	10108,0	0856	28	06	RUS	RDL	F1A		RDL 52130 73131 K
VERON	10108,0	0843	06	06	RUS	RDL	F1A		RDL 74058 99614 K
VERON	10118,0	1416	03	06		UiPTR	F1B		Ptr also 23/6 17.25 UTC
VERON	14008,0	742	16	06	RUS	UiPtr	F1B		Ptr
VERON	14008,0	1008	19	06	RUS	UiPtr	F1B		Ptr
VERON	14008,0	0942	06	06	CIS	UiPTR	F1B		Carrier/Revs/Ptr
VERON	14108,0	1153	18	06	CIS	M4XX	A1A		NAAK de M4XX QTC 121 52 18 1448 121 = 195 = MMMMM 5BL
VERON	14108,0	0900	19	06	CIS	C1OB	A1A		XXX C1OB 51971 WAKODYM 2917 1735 K
VERON	14108,0	0906	19	06	CIS	C1OB	A1A		XXX C1OB 32741 AFFEKTIWNYJ 5552 5291
VERON	14108,0	0909	19	06	CIS	C1OB	A1A		XXX C1OB 00517 BORTNIK 6175 8512 PRYQPZOW 2128 3553
VERON	14108,0	0914	19	06	CIS	X5EP	A1A		VIGG de X5EP QBE QYT6 K
VERON	14108,0	0929	19	06	CIS	WLHN	A1A		XXX WLHN 97546 UMOMETR 6448 2371 oeHOSPID 2328 7894 K
VERON	14108,0	0940	19	06	CIS	D4NT	A1A		TGQV de D4NT QYT9 K
VERON	14108,0	0900	27	06	CIS	B9XK	A1A		LEXM de B9XK Proxs/Calls to ZPCS GFIT MWTP OZCW
VERON	14108,0	1220	29	06	CIS	PNT4	A1A		cmypd dyrzs gayen idfut ofiar
VERON	14108,0	1222	29	06	CIS	Y1CQ	A1A		qtc2 zbu 29 1504 zbu AR MIL
VERON	14108,0	0831	01	06	CIS	GIF2	A1A		Calls to XDTY AE2F TR40 WR50 TVOC
VERON	14108,0	1020	03	06	RUS	UiCW	A1A		5F RLPDG LZNDE etc MIL
VERON	14108,0	0955	03	06	CIS	TXQR	A1A		TXQR 150 44 3 1250 150 = ZLL 938 = MMMMM 5BL
VERON	14108,0	1002	03	06	CIS	TXQR	A1A		Y1CQ QTC ZGV AR
VERON	14108,0	1004	03	06	CIS	TXQR	A1A		TXQR 340 46 3 12.48 340 = ZGV 938 = CWETN 5BL
VERON	14108,0	1008	03	06	CIS	TXQR	A1A		Procs/Calls to 3TMM AGM9 Z5VY WILL CG8S 2EHZ
VERON	14108,0	1012	03	06	CIS	TXQR	A1A		2EHZ de TXQR QTA 340 K
VERON	14108,0	1016	03	06	CIS	TXQR	A1A		TXQR 430 52 3 13.06 430 = 938 = MMMMM 5BL
VERON	14108,0	0920	04	06	CIS	P3TD	A1A		P3TD Procs/Calls
VERON	14108,0	0831	05	06	RUS	OEFX	A1A		EL7E DE OEFX K
VERON	14108,0	0836	05	06	RUS	OEFX	A1A		WYXZ DE OEFX K
VERON	14108,0	0840	05	06	RUS	OEFX	A1A		FQNS DE OEFX proc

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SHIFT	DETAILS
VERON	14108,0	0842	05	06	RUS	OEFX	A1A		IIZP DE OEFX proc
VERON	14108,0	0844	05	06	RUS	OEFX	A1A		H7AI DE OEFX K
VERON	14108,0	0932	06	06	CIS	WEGI	A1A		XXX WEGI 84016 SOLXFATARA 0020 6061 K
VERON	14108,0	0956	06	06	CIS	1SLD	A1A		5FM1 de 1SLD QTC 648 51 6 12.50 648 = 602 = MMMMM 5BL
VERON	14108,0	0854	07	06	RUS	EHY2	A1A		LW6J DE EHY2 ATC / 586 49 8 1048 586 BT 824 BT MMMMM (etc)
VERON	14108,0	0908	07	06	RUS	EHY2	A1A		LMNK DE EHY2 542 34 8 1104 542 BT 824 BT MMMMM (etc 5BL)
VERON	14109,5	0836	24	06		UiPTR	F1B		Ptr also 23/6 17.25 UTC
VERON	14112,0	0940	18	06	CIS	UiPTR	F1B		Revs/Ptr
VERON	14116,0	0848	03	06		UiPTR	F1B		Ptr also 23/6 17.25 UTC
VERON	14118,0	0914	10	06	CIS	XUGN	A1A		XUGN 090 34 10 1230 090 = ZSX 676 = ROZFY 5BL
VERON	14118,0	0917	10	06	CIS	XUGN	A1A		XUGN 755 34 10 1213 755 = ZRM 676 = QNWBW 5BL
VERON	14118,0	0928	17	06	CIS	QLSO	A1A		QLSO 985 34 17 1223 985 = ZUM 625 = SZBEU 5BL
VERON	14118,0	0937	17	06	CIS	6GX2	A1A		ETT3 de 6GX2 QTC 605 34 17 1230 605 = ZWK 625 = 5BL
VERON	14118,0	0940	17	06	CIS	6GX2	A1A		6GX2 QTC 605 34 17 1230 605 = ZWK 625 = 5BL
VERON	14118,0	0857	03	06	CIS	CJIZ	A1A		CJIZ QBE ZHU ZLS K
VERON	14118,0	0810	06	06	?	CJIZ	A1A		QEXJ DE CJIZ K (calls)
VERON	14118,0	0922	06	06	?	CJIZ	A1A		QEXJ DE CJIZ K (one call)
VERON	14118,0	0833	07	06	?	XJIZ	A1A		VVV QEXJ DE CJIZ K / R K
VERON	14118,0	0932	08	06	CIS	CJIZ	A1A		QEXJ de CJIZ Calls K
VERON	14160,0	0828	24	06		UiPTR	F1B		Ptr
VERON	14192,0	0950	03	06	CIS	UiPTR	F1B		Revs/Ptr also 10/6 08.46 UTC
VERON	14192,0	0909	05	06	?	?	F1B	250	revs
VERON	14192,0	0911	05	06	?	?	F1B	250	ptr
VERON	14221,0	0910	17	06	RUS	RAA	A1A		RJH25 de RAA K R K
VERON	14240,0	0927	04	06		UiPTR	F1B		Ptr als 24/6 08.30 UTC
VERON	14272,0	1057	20	06	RUS	UiPtr	F1B		Ptr 500 Hz
VERON	14317,0	0850	14	06	CIS	B7Y8	A1A		FIKH de B7Y8 QTC 083 34 14 1145 083 = ZJE 247 = 5BL
VERON	14317,0	0910	15	06	CIS	TOZZ	A1A		DIQA de TOZZ QSA no QSV
VERON	21438,0	1033	06	06	RUS	RCV	A1A		RBE86 DE RCV QTC 524 73 4 1206

The monitoring team of IARU Region 1

credits:

Wavecom Elektronik – Buelach – Switzerland

All our friends and contributors worldwide!

Many thanks for your interest!

compiled and published by DK2OM - July 2019