



Monitoring System

Observe the screenshots, comments and credits below!

Intruders from: **May 27th 2017** - persistent or earlier: black – recent: blue - new: red

kHz	UTC	DATE	ITU	IDENT	MODE	BD	SH	DETAILS
7001.000	0836	dly	POL		FSK8	125	1750	MIL-188-141A from 6998.5 – Polish MIL
7008.000	1530	17.04.17	RUS		F1B	75	250	Moscow
7039.300	ady	dly	RUS	“K”	A1A			beacon “K” – “RCC” - Petropavlovsk
7039.400	ady	dly	RUS	“M”	A1A			beacon “M” – “RTS” - Magadan - unclear
7051.000	1958	dly	RUS		F1B	50	200	Sevastopol – mostly idling
7091.543	ady	dly	KAZ	“V”	A1A			beacon “V” – Almaty
7105.000	2050	25.05.17	RUS		FMCW		13k	RUS OTH radar Contayner – 50 sps
7111.000	ady	dly	CHN		PSK4A	60	2400	LSB - PRC-30 (30 x 60 Bd) burst system
7120.000	1500	dly	SOM		A3E/BC			Radio Hargaysa - Somalia
7172.000	1904	17.05.17	RUS		PSK2A	120	2600	AT3004D – Penza
7174.989	1702	18.03.17	ERI		A3E/BC		9k	VOBM - Radio Eritrea - screenshot
7179.000	1900	24.05.17	RUS		PSK2A	120	2600	AT3004D – RUS ship – area of Cyprus
14008.000	1330	02.05.17	RUS		F1B	50	250	Moscow
14052.000	1324	04.05.17	RUS		PSK2A	120	2600	AT3004D – ship? – area of Gibraltar
14180.000	1223	02.05.17	RUS	RDL	F1B	50	250	RUS navy Sevastopol
14191.900	1844	24.05.17	RUS		F1B	50	400	RUS Navy Kaliningrad
14199.000	1256	02.05.17	CHN		OFDM	44.4	2200	OFDM 39 – PSK4B – RF QRG!
14201.800	0845	18.05.17	CHN		PSK2	75	2200	PRC 16 x 75 Bd modem - Shanghai
14218.000	0954	26.05.17	RUS		PSK2A	120	6600	2 x AT3004d – DSB - Novosibirsk
14242.000	0838	27.04.17	RUS		PSK2A	120	2600	AT3004D - Moscow
14280.000	1005	16.11.16	UKR		A3E			encrypted msgs – SZRU in Rivne
14295.000	ady	dly	TJK		A3E		9k	3 rd from 4765 – Radio Tajikistan
14316.000	0812	20.05.17	CHN		FMOP		10k	OTH radar bursts – 50 sps
18080.000	0700	27.05.17	TWN		A3E		9k	Sound of Hope Taiwan + CHN jammer
18107.000	vt	dly	RUS	RDL	F1B	50	200	Moscow – RUS navy – shared band!
21000.000	1220	08.04.17	B		USB			Brazilian pirates
21214.000	0853	27.05.17	CHN		FMOP		10k	OTH radar bursts – 66.66 sps (foghorn)
21262.000	0858	27.05.17	CHN		FMOP		10k	OTH radar bursts – 83 sps
21300.000	0730	25.04.17	CHN		FMOP		160k	Chinese wideband radar – screenshot
21312.000	0858	27.05.17	CHN		FMOP		10k	OTH radar bursts – 66.66 sps (foghorn)
21438.000	1629	16.5.17	RUS	RCV	CW			RCV, RIP90 – RUS Navy Sevastopol
28100.000	ady	dly	POR		F1B	51	300	Enagal GPS buoys – Atlantic Ocean
29249.880	1511	01.03.17	E		F1B	81.9	140	Datawell buoy - Fuerteventura

UTC = universal time coordinated (=GMT) /// **ady** = all day /// **vt** = various times /// **dly** = daily /// **vd** = various days
date (dd.mm.yy) /// **IDENT** = call, selcall /// **MODE** -> USB , LSB, A3E = AM, F3E = FM, F1B = FSK / RTTY, PSK, FMCW
ALE = MIL-188-141A /// **NWAF** = North West Africa /// **con** = continuous /// **ITU** = ITU-abbreviation /// **BD** = Baud
/// **SH** = shift (Hz) or signal spread /// **DETAILS** = observed details /// **unid (ui)** = unidentified /// **AF** = Airforce /// **MOI** =
Ministry of Interior /// **MOD** = Ministry of Defense /// **MFA** = Ministry of Foreign Affairs /// **MEa** = Middle East /// **FEa** = Far
East /// **Eaf** = East Africa /// **CAf** = Central Africa /// **CIS** = Commonwealth of Independent States (earlier UDSSR) /// **NAf** =
North Africa /// **NEu** = Northern Europe /// **PRC** = People’s Republic of China /// **emba** = embassy /// **DPRK** = Democratic
People Republic of North Korea /// **NGO** = Non Governmental Organization /// **MOPO** = Ministry of Public Order /// **FSK** =
frequency shift keying /// **PSK** = phase shift keying /// **EU** = Europe /// **SPS** = sweeps/sec = PRF -> OTH radar ///
OTHR = OTH radar -> **FMCW** = frequency modulated continuous wave -> **FMOP** = freq. mod. on pulse

Notice board:

Please note: All digital mode frequencies are center frequencies. Exceptions are mentioned!

7000 USB - 3590 USB – 10125 USB - Spanish fishery often

Illegal BCs: 7120 -> Radio Hargaysa Somalia ++ 7175 Radio Eritrea + ETH QRM ++ 7200 -> Radio Taiwan and Chinese jammer ++ 18080 -> Sound of Hope (Taiwan) + CHN jammer

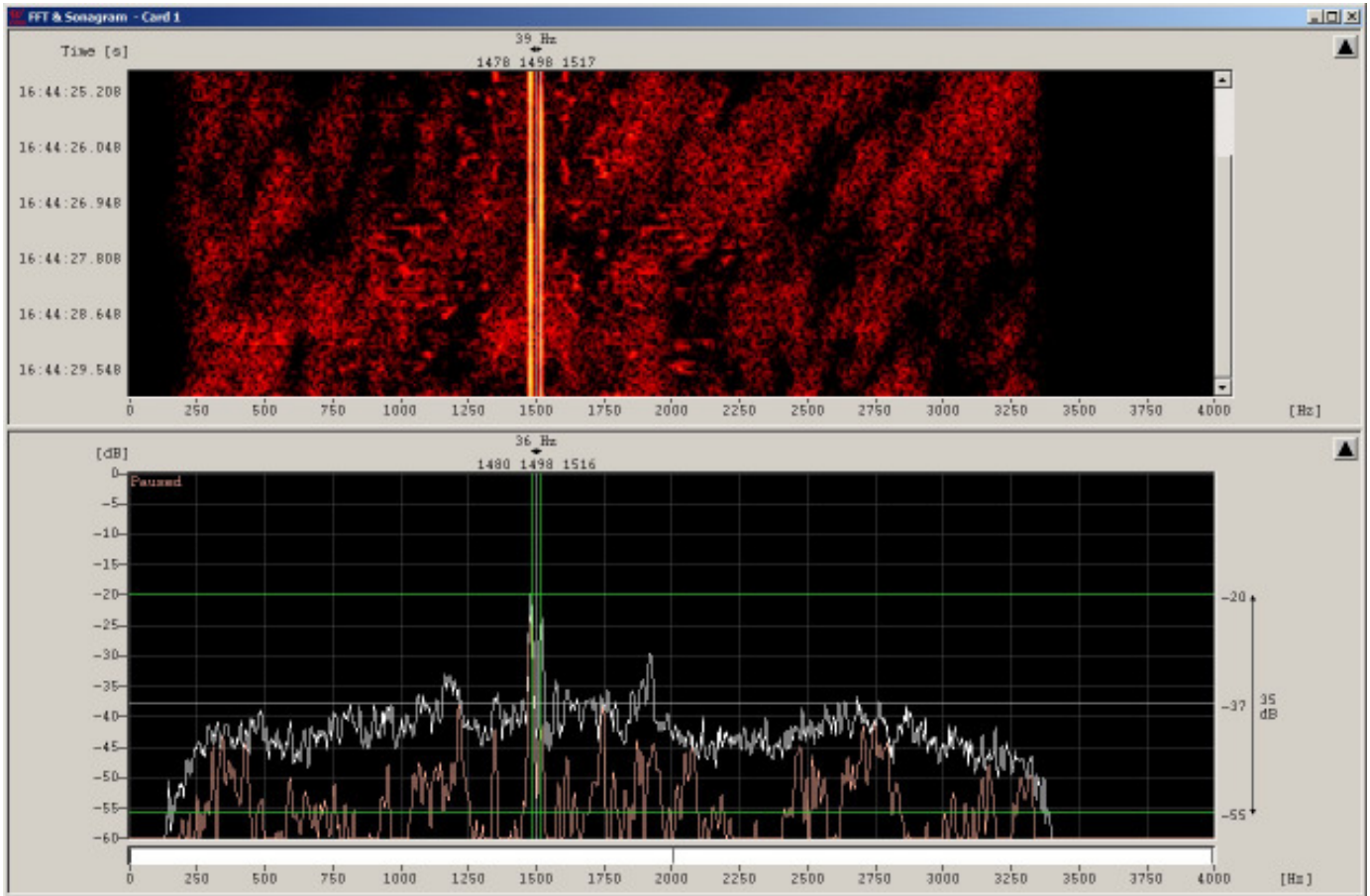
28000 – 29700 kHz – crowded of CIS taxis in FM – daily, all day

28000 – 29700 – Datawell buoys “Waverider” - 81.9 Bd - 140 Hz shift ++ Enagal GPS buoys 51 Bd – 300 Hz shift bursts

Radio Eritrea (VOBM) on 7175 kHz disturbed by white noise of Radio Ethiopia – both in A3E (AM)

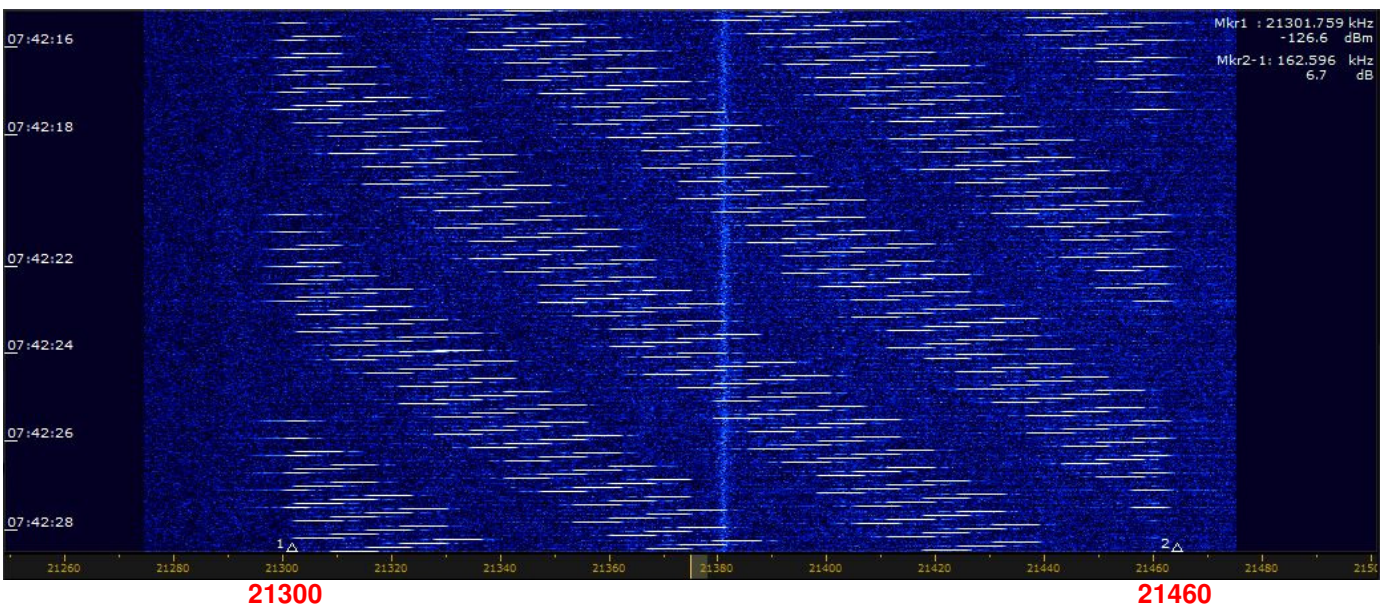
You can see both carriers and the modulation of Radio Eritrea together with white noise of Radio Ethiopia on both sidebands. (White noise with fading!) – Still active in March 2017.

Screenshot: Wavcom W-Code (DK2OM) – Sept. 22nd 2016 at 1644 UTC



7175 kHz

Chinese wideband OTH radar (21300 – 21460 kHz and 10 sps) on April 25th at 0742 utc
Screenshot: DK2OM with Perseus



21300

21460

Measurements and screenshots: DK2OM with W-Code (Wavecom), W-PCI (Wavecom) or Perseus

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