



Monitoring System

Observe the screenshots and comments below!

Intruders from: **July 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
7022.000	0805	12.07.17	RUS		PSK2A	120	2600	AT3004D - Moscow
7039.200	ady	dly	RUS	"F"	A1A			beacon "K" – "RJS" - Vladivostok
7039.400	ady	dly	RUS	"M"	A1A			beacon "M" – "RTS" - Magadan - unclear
7091.543	ady	dly	KAZ	"V"	A1A			beacon "V" – Almaty
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
7150.000	1530	27.07.17	ERI		A3E		9k	Radio Eritrea + QRM by Radio Ethiopia
7175.000	1530	27.07.17	ERI		A3E		9k	Radio Eritrea + QRM by Radio Ethiopia
7182.000	0730	19.07.17	RUS		PSK2A	120	2600	AT3004D – Moscow
14008.000	0700	21.07.17	RUS		F1B	50	250	Moscow
14026.000	0846	30.06.17	RUS		PSK2A	120	2600	AT3004D - Moscow
14155.000	0840	08.07.17	CHN		FMOP		10k	OTH radar bursts – 66.66 sps (foghorn)
14191.900	1844	24.05.17	RUS		F1B	50	400	RUS navy Kaliningrad
14201.800	1100	27.07.17	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
14221.000	2050	dly	KGZ		F1B	50	200	Kyrgyzstan – Bishkek – every evening
14223.700	1700	05.07.17	EGY	TVVX	F1B	100	170	Sitor A – MFA Cairo calling emba Algiers
14225.000	1020	26.06.17	RUS		FMCW		13k	RUS OTH radar Contayner – 50 sps
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
14303.000	0830	21.07.17	CHN		FMOP		10k	OTH radar bursts – 66.66 sps (foghorn)
14345.000	0840	21.07.17	CHN		FMOP		10k	Chinese OTH radar bursts - 50 sps
18080.000	0700	20.07.17	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
21308.000	0926	25.07.17	CHN		FMOP		10k	OTH radar bursts – 66.66 sps (foghorn)
21336.000	0748	25.07.17	CHN		FMOP		10k	OTH radar bursts – 66.66 sps (foghorn)
21438.000	1629	16.5.17	RUS	RCV	CW			RCV, RIP90 – RUS Navy Sevastopol
28085.000	ady	dly	POR		F1B	51	300	Enagal GPS buoys – Atlantic Ocean
28600.000	0830	06.06.17	IRN		FMOP		50k	Iranian radar bursts – 307 and 870 sps
28960.000	1645	27.07.17	IRN		FMOP		50k	Iranian radar – screenshots
29249.880	0940	05.06.17	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 ++ 7200 -> Radio Taiwan and Chinese jammer ++ 18080 ->

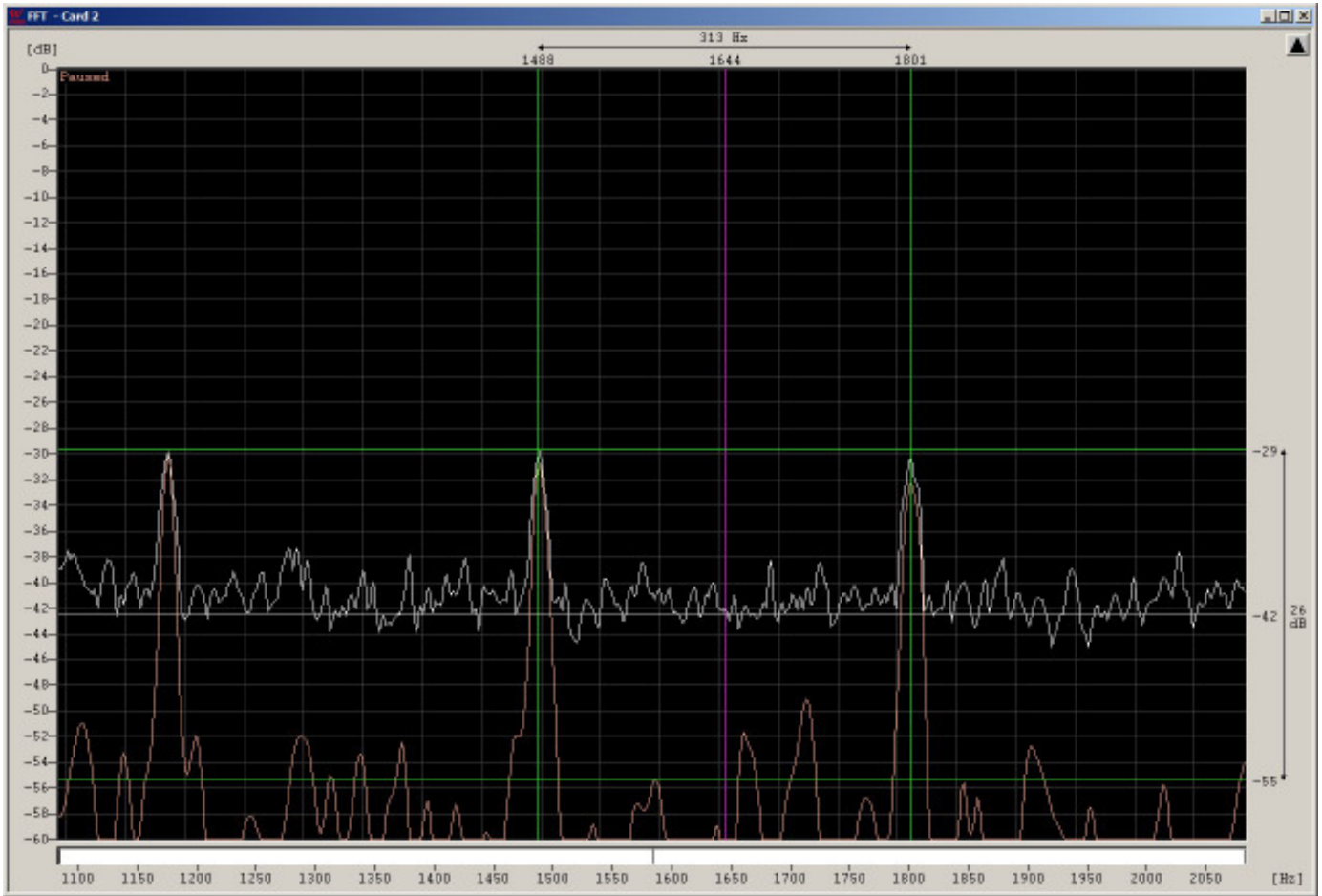
Sound of Hope (Taiwan) + CHN jammer ++ 7150 and 7175 -> Radio Eritrea + QRM by Radio Ethiopia

28000 – 29700 kHz – crowded of CIS taxis in FM – daily – Sporadic E now!

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

Radar Iran on 28960 kHz– mode: FMOP – alternating blocks of 150 and 313 sweeps/sec about 50 kHz wide – 2 different tones audible on SSB

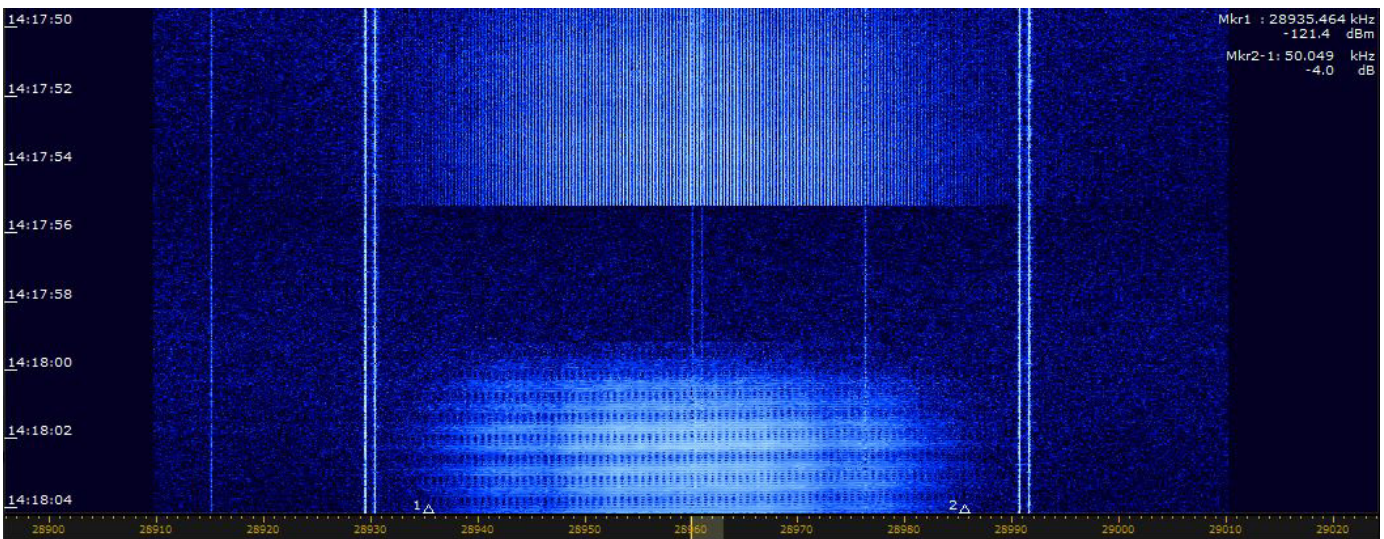
Screenshot: Wavcom W-Code (DK2OM) – showing the measurement by the FFT-option you can see the sweeprate of 313 sweeps/sec – May 31st 20176 at 0700 UTC



←----- 313 Hz ----->

Iran radar on 28960 kHz on May 31st at 0700 utc

Screenshot: DK2OM with Perseus showing the blocks and the gap



28960

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

compiled and published by DK2OM Copyright © IARUMS Region 1 - DK2OM