



Monitoring System

Observe the screenshots and comments below!

Intruders from: **December 18th 2017** - persistent or earlier: black – recent: blue - new: red

kHz	UTC	DATE	ITU	IDENT	MODE	BD	SH	DETAILS
3535.000	1715	17.12.17	E	names	USB			Spanish fishery
3565.000	2115	13.12.17	E	names	USB			Spanish fishery
7001.800	1130	13.12.17	TUR		PSK8A	2400	2400	Stanag-4285 – 600 bps long - Izmir
7020.000	1843	14.12.17	CHN		FMOP		10k	OTH radar – 42 sps – 6 sec bursts
7030.000	0900	18.12.17	RUS		PSK2A	120	2600	AT3004D – DSB - Crimea
7039.400	ady	dly	RUS	“M”	A1A			beacon “M” – “RTS” - Magadan
7107.000	1511	14.12.17	CHN		FMOP		10k	OTH radar – 50 sps – 5 sec bursts
7120.000	1500	dly	SOM		A3E/BC			Radio Hargaysa - Somalia
7140.000	1510	dly	ERI		A3E		9k	Radio Eritrea + QRM by Radio Ethiopia
7145.000	1754	15.12.17	FEa		FMOP		50k	coastal radar “Sunflower” – 43 sps
7161.000	1514	14.12.17	CHN		FMOP		10k	OTH radar – 50 sps – 5 sec bursts
7176.000	0820	14.12.17	RUS		F1B	75	250	Moscow
7178.000	0934	12.12.17	RUS		PSK2A	120	2600	AT3004D – Moscow
7180.000	1510	dly	ERI		A3E		9k	Radio Eritrea + QRM by Radio Ethiopia
7181.000	1551	14.12.17	CHN		FMOP		10k	OTH radar – 50 sps – 5 sec bursts
7198.000	1720	14.12.17	RUS		PSK2A	120	2600	AT3004D - Moscow
14103.000	0850	27.10.17	CHN		FMOP		10k	OTHR – 42 – 50 - 66.66 sps - screenshot
14171.000	0840	30.11.17	RUS		PSK2A	120	2600	AT3004D - Moscow
14192.000	vt	dly	RUS		F1B	50	200	RUS navy Kaliningrad
14221.000	2000	dly	KGZ		F1B	50	200	Kyrgyzstan – Bishkek – every evening
14260.000	0805	21.09.17	UKR		A3E			encrypted msgs – SZRU in Rivne
14260.900	0740	17.10.17	RUS		OFDM	35.6	2760	OFDM 60 – Moscow
14295.000	ady	dly	TJK		A3E		9k	3 rd from 4765 – Radio Tajikistan
18080.000	0715	03.11.17	TWN		A3E		9k	Sound of Hope Taiwan + CHN jammer
18107.000	vt	vd	RUS	RDL	F1B	50	200	Moscow – RUS navy – shared band!
21000.000	1910	30.09.17	B		USB			Brazilian pirates – Rio with North-Brazil
21190.000	0728	27.10.17	RUS		F1B	100	1000	harmonic from 10595 kHz - Moscow
21398.000	0846	25.10.17	CHN		FMOP		10k	OTH radar bursts – 42 sps – 6 sec
21407.000	0829	21.10.17	CHN		FMOP		10k	OTH radar bursts – 50 sps – 10 sec
21438.000	0948	15.11.17	RUS	RCV	A1A			RUS navy - Sevastopol
28085.000	ady	dly	POR		F1B	51	300	Enagal GPS buoys – Atlantic Ocean
28960.000	0850	18.11.17	IRN		FMOP		50k	Iranian radar bursts – 150 and 313 sps
29400.000	0940	18.11.17	IRN		FMOP		50k	Iranian radar bursts – screenshot

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!

USB: 3500 - 3535 – 3550 – 3555 - 3560 – 5350 - 7000 - 10125 - Spanish fishery daily

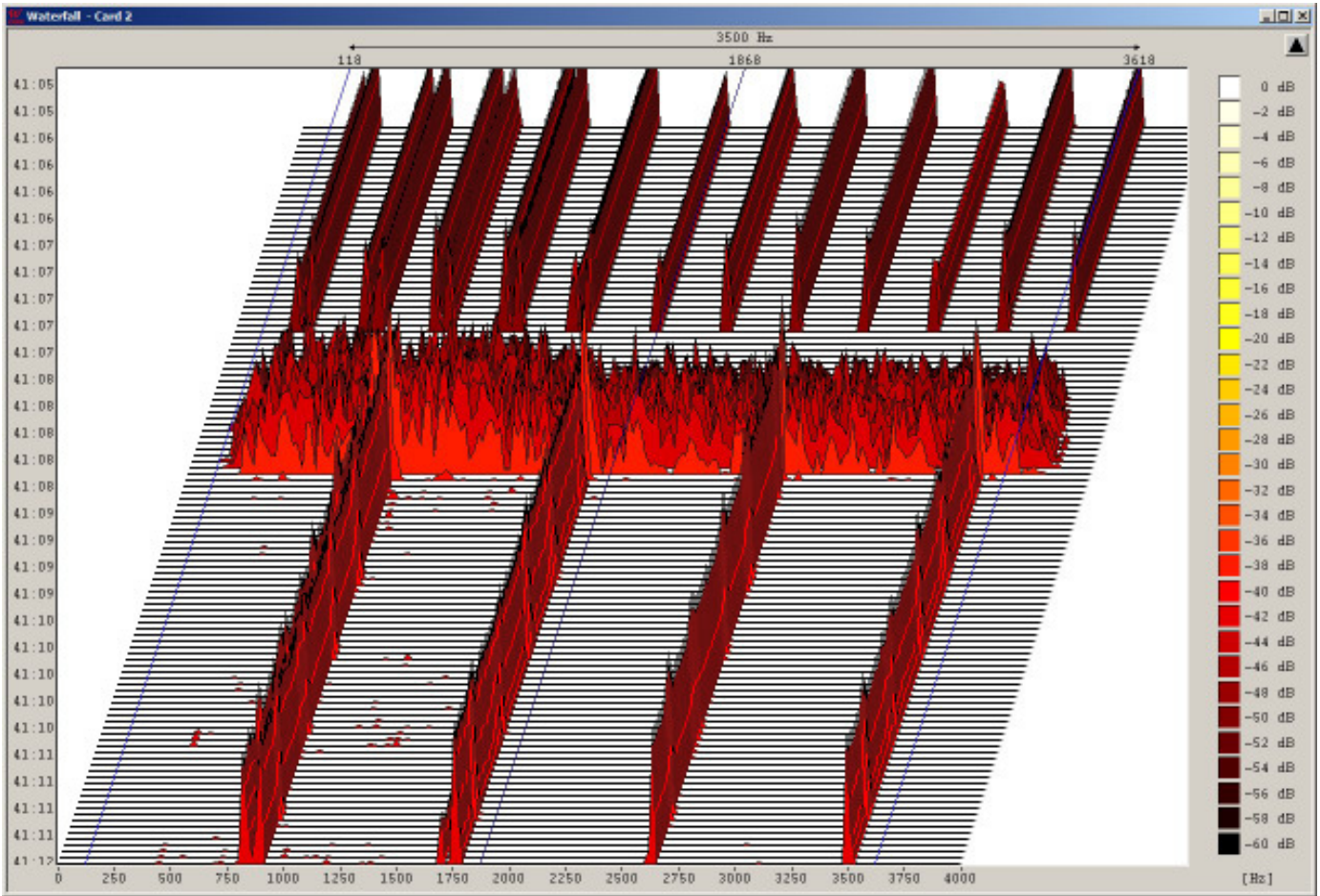
Illegal BCs: 7120 -> Radio Hargaysa Somalia ++ 7200 -> Radio Taiwan and Chinese jammer ++ 18080 ->

Sound of Hope (Taiwan) + CHN jammer ++ 7140 and 7180 -> Radio Eritrea + QRM by Radio Ethiopia

28000 – 29700 kHz – crowded of CIS taxis in FM – daily

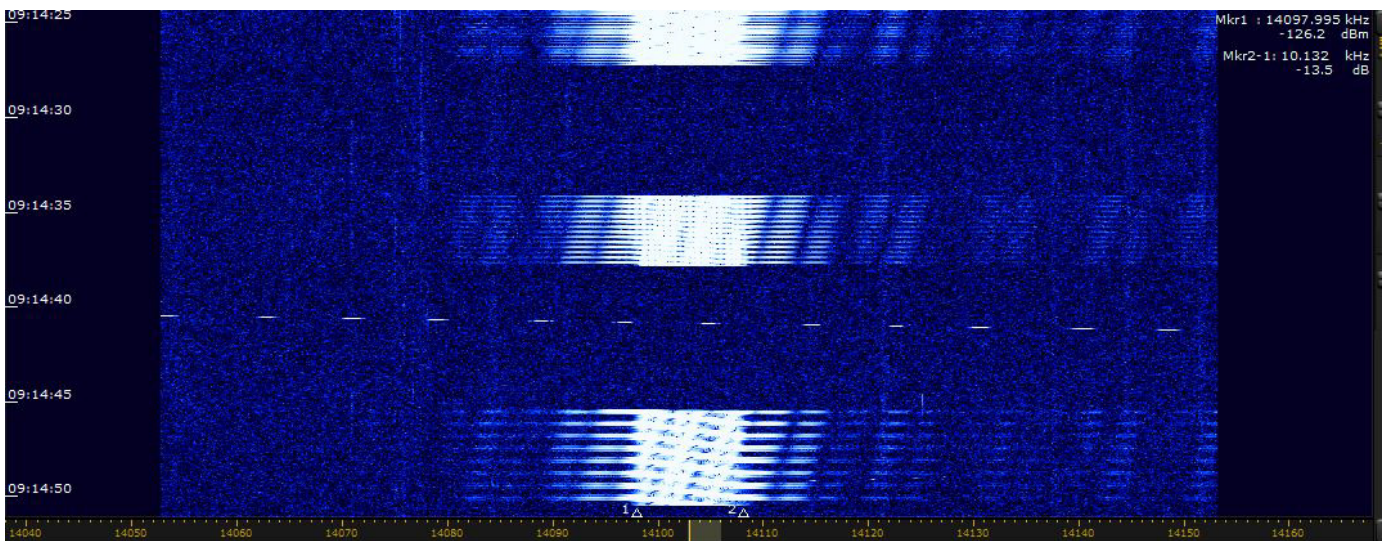
Iranian radar bursts on 29400.0 kHz – FMOP - 307 and 870 sps alternating – Nov. 18th at 0941 utc

Screenshot: Wavecom W-Code (DK2OM) – Waterfall showing the bursts and a gap



Chinese OTH radar 14103 kHz – FMOP – 42 - 50 – 66.66 sps alternating - Oct. 27th at 0914 utc

Screenshot: DK2OM with Perseus



14103

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

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