



Monitoring System

Observe the screenshots and comments below!

Intruders from: **January 19th 2019** - persistent or earlier: black – recent: blue - new: red

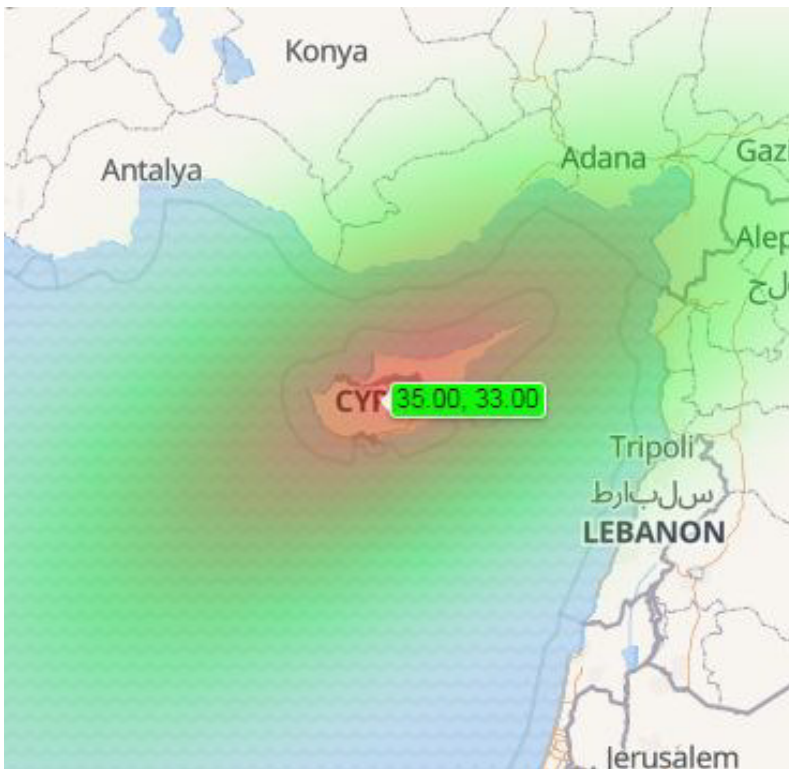
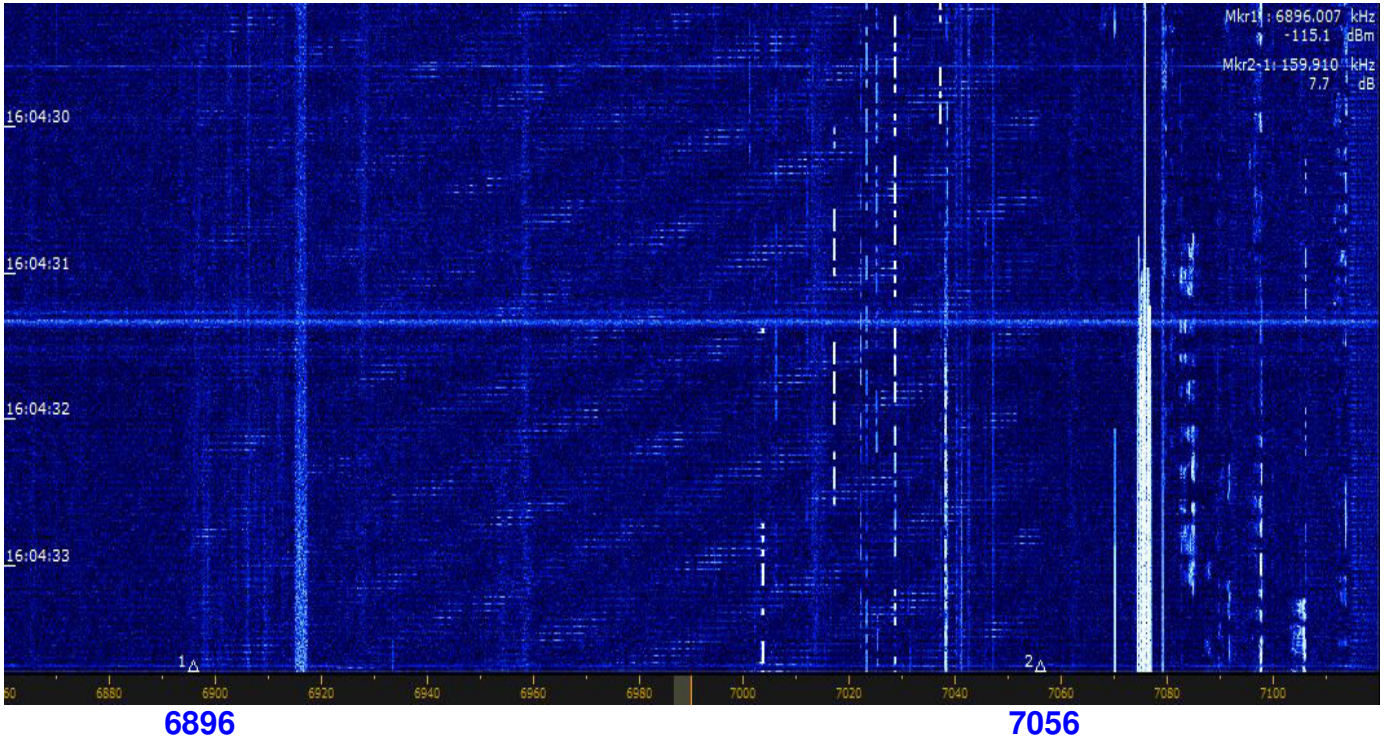
kHz	UTC	DATE	ITU	IDENT	MODE	BD	SH	DETAILS
3500.000	2035	13.12.18	E		USB			Spanish fishery
5350.000	1600	18.01.19	RUS		FMOP		50k	coastal radar – 43 sps - Makhachkala
5360.500	1510	18.01.19	RUS		F1B	50	200	Moscow - legal
5361.800	1510	17.12.18	DNK	OUA15	PSK8A	2400	2400	Stanag-4285 – legal
7000.000	1550	17.01.19	CHN		FMOP		160k	Chinese OTHR – 20 sps – 6883 – 7043 kHz
7010.000	1400	27.12.18	RUS		PSK2A	120	2600	AT3004D - Moscow
7030.000	0715	10.01.19	F		USB			French fishery chatting
7036.000	1713	29.12.18	RUS		F1B	50	250	Samara
7039.200	ady	dly	RUS	“F”	A1A			beacon „F“ - „RJS“ - Vladivostok
7039.300	ady	dly	RUS	“K”	A1A			beacon “K” – “RCC” – Petropav. Kam.
7039.400	ady	dly	RUS	“M”	A1A			beacon “M” – “RTS” - Magadan
7051.000	0920	16.01.19	RUS		F1B	50	500	Moscow
7070.000	vt	06.12.18	GEO		FSK8	125	1750	MIL-188-141A – 2 nets – GEO and ?
7120.000	---	13.12.18	SOM		A3E		9k	Radio Hargeisa Somali Land
7140.024	1630	dly	ERI		A3E/BC		9k	Radio Eritrea
7180.022	1630	dly	ERI		A3E/BC		9k	Radio Eritrea
7191.845	1100	13.12.18		“4”	A1A			unclean beacon, only number “4”
7193.000	0948	19.01.19	RUS	RDL	F1B	50	200	Kaliningrad
7198.000	0915	29.12.18	RUS		PSK2A	120	2600	AT3004D – area of Moscow
7198.500	1945	dly	SDN		A3E/BC		12k	Radio Sudan from 7205
10120.000	1610	24.12.18	CYP		FMCW		20k	OTH radar Cyprus – 50 sps - screenshot
14026.000	0914	13.12.18	RUS		PSK2A	120	2600	AT3004D - Moscow
14192.000	vt	dly	RUS		F1B	50	200	RUS navy Kaliningrad - daily
14221.000	vt	dly	KGZ		F1B	50	200	Kyrgyzstan – Bishkek – mostly idling
14295.194	0900	19.01.19	TJK		A3E		9k	3 rd from Radio Tajik on 4765 kHz
14308.000	0900	09.01.19	RUS		F1B	750	500	Moscow
14337.000	0920	06.01.19	CHN		FMOP		10k	CHN OTH radar – 50 sps – 2.4 and 4.9 sec
18070.000	0850	31.12.18	CYP		FMCW		20k	OTH radar Cyprus – 50 sps
18080.000	0750	18.09.18	TWN		A3E		9k	Sound of Hope TWN + CHN BC jammer
18107.000	vt	vd	RUS	RDL	F1B	50	200	Moscow – RUS navy – shared band!
21438.000	0836	07.10.18	RUS	RCV	A1A			navy Sevastopol – RCV – RKZ - RJV
28000.000	1030	19.11.18	RUS		F3E			RUS taxi
28860.000	0700	24.08.18	IRN		AM-puls			Iran radar – 150 and 313 sps

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
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 - 3516 – 3555 - 3560 – 3585 - 5350 – 5360 - 7000 – 7035 - 7070 - 10125 - Spanish fishery
Illegal BCs: 7120 -> Radio Hargaisa Somalia ++ 7140 and 7180 -> Radio Eritrea
++ 18080 -> Sound of Hope (Taiwan) + CHN jammer
Many fishnet buoys between 28000 and 28500 kHz from southwest (carrier + CW-ident) or GPS

6896 – 7056 kHz (160 kHz wide) - Chinese OTH radar on FMOP with 20 sweeps/sec
Jan. 10th 2019 utc at 1604 utc
screenshot: DK2OM with Perseus



OTH radar Cyprus – FMCW – 50 sps
on 10110 – 10130 kHz
Dec. 24th 2018 at 1610 utc
TDoA bearing

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