



# Monitoring System

Observe the screenshots, comments and credits below!

Intruder News from: **March, 9<sup>th</sup> 2010** – Persistent: black - Latest: blue - New: red

kHz	UTC	DATE	ITU	IDENT	MODE	BD	SH	DETAILS
3500.000	1700	dly	E	names	USB			Spanish fishery
3622.500	2000	dly	J	JMH	F1C			Tokyo Meteo, WXfax, 120 rpm, IOC576
7001.600	1500	04.03.10	ISR		PSK4	75	2700	MIL188-110A – hybrid modem – ser./par.
7011.800	1400	01.03.10	BIH		PSK8	2400	2600	MIL188-110A - Sarajevo
7016.000	0500	dly	GEO		OFDM	30	2900	OFDM 93 – Tiflis, Georgia
7018.000	vt	dly	RUS	REA4	F1A/B	50	1000	RUS Airforce Moscow, ident 0h + 41 min
7026.000	ady	dly	BLR		PSK2	120	2600	AT3004D – Minsk, Belarus
7038.700	ady	dly	UKR	D	CW			beacon “D” - Sevastopol
7038.800	ady	dly	RUS	P	CW			beacon “P” - Kaliningrad
7038.900	ady	dly	RUS	S	CW			beacon “S” - Murmansk
7039.000	ady	dly	RUS	C	CW			beacon “C” - Moscow
7039.200	ady	dly	RUS	F	CW			beacon “F” - Vladivostok
7039.300	ady	dly	RUS	K	CW			beacon “K” - Petropavlovsk
7044.340	1800	dly	RUS		FSK15?		2700	area of Novosibirsk – undefined noise
7050.000	2015	07.02.10	CHN		P0N			Chinese Radar – 43.5 pps
7054.000	vt	dly	RUS		F1B	50	200	RUS MIL Moscow – morning and evening
7070.000	vt	dly	CHN	no ITU	FSK8	125	1750	ALE, “288” “514” – PRC - PLA
7089.500	1238	dly	UKR		F1C			WX-fax - 60 rpm – IOC 576 - Sevastopol
10107.000	0800	dly	RUS		CW			dots, 20 msec, Novosibirsk, navigation?
10145.000	1800	22.02.10	CYP		P0N			OTH Radar Cyprus, 50 pps
10147.000	1400	22.11.09	FEa	Bora	LSB			Far or Middle East pirates, “Bora Bora”
14001.000	vt	dly	CHN	no ITU	FSK8	125	1750	ALE, “272” “482” - PRC-PLA
14036.000	1115	04.01.10	RUS	REA 4	F1B	50	2000	2 <sup>nd</sup> from 7018 – Russian AF Moscow
14052.000	1000	09.03.10	BLR		PSK2	120	2600	AT3004D - 2 <sup>nd</sup> from 7026 - screenshot
14139.000	vt	dly	CHN	no ITU	FSK8	125	1750	ALE, “597” “809” – PRC-PLA
14166.000	vt	dly	CHN	no ITU	FSK8	125	1750	ALE, “867” “963” - possibly PRC-PLA
14180.000	1340	18.01.10	UKR		F1C			WXfax, 2 <sup>nd</sup> from 7090, RUS Navy Sevast.
14295.153	vt	dly	TJK		A3E			3 <sup>rd</sup> from 4765 – Radio Tajikistan
14337.000	vt	dly	CHN	no ITU	FSK8	125	1750	ALE, “143” “246” – PRC-PLA
21001.500	0700	dly	RUS		F1B	100	140	RUS MIL - Jekaterinburg
21245.000	vt	dly	ISR		USB			female voice, encrypted MSGs - Israel
21312.380	1000	20.02.10	FEa		MFSK			unknown signal, beacon? - screenshot
21390.000	0850	15.02.10	RUS		F1B	50	3000	6 <sup>th</sup> from 3565

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), G7B, J7D  
ALE = MIL-188-141A /// NWAf = North West Africa /// con = continuous ) /// ITU = ITU-abbreviation /// BD = baud  
/// SH = shift (Hz) /// DETAILS = observed details /// uniden (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 = Community of Independent States (earlier UDSSR) /// NAf = North Africa /// NEu =  
Northern Europe /// PRC = People’s Republic of China /// PLA = People’s Liberation Army (China) /// pps = pulses/second  
(Radar) /// CIS = Community of Independent States /// 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

## Notice board:

Spanish fishermen are daily abusing 21135 kHz in USB at 1700 UTC and later!!!

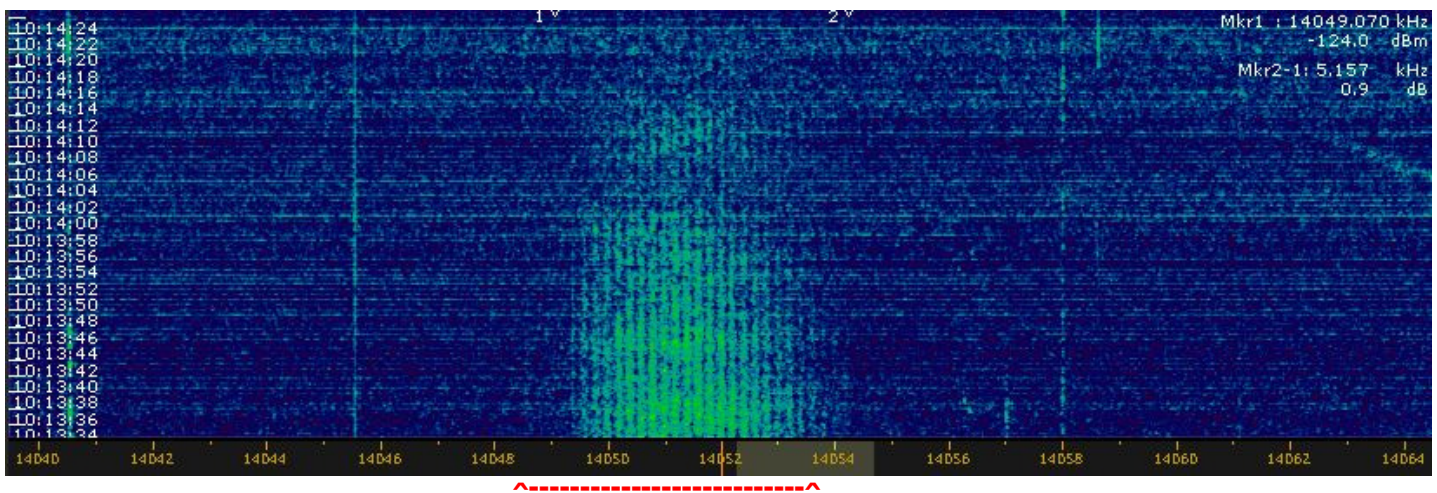
7000.0 kHz – USB/LSB - 1300 UTC and later - pirate net from Far or Middle East

Region 2: A new kind of OTH-Radar is disturbing our 7 MHz-band daily from 1300 – 2000 UTC.

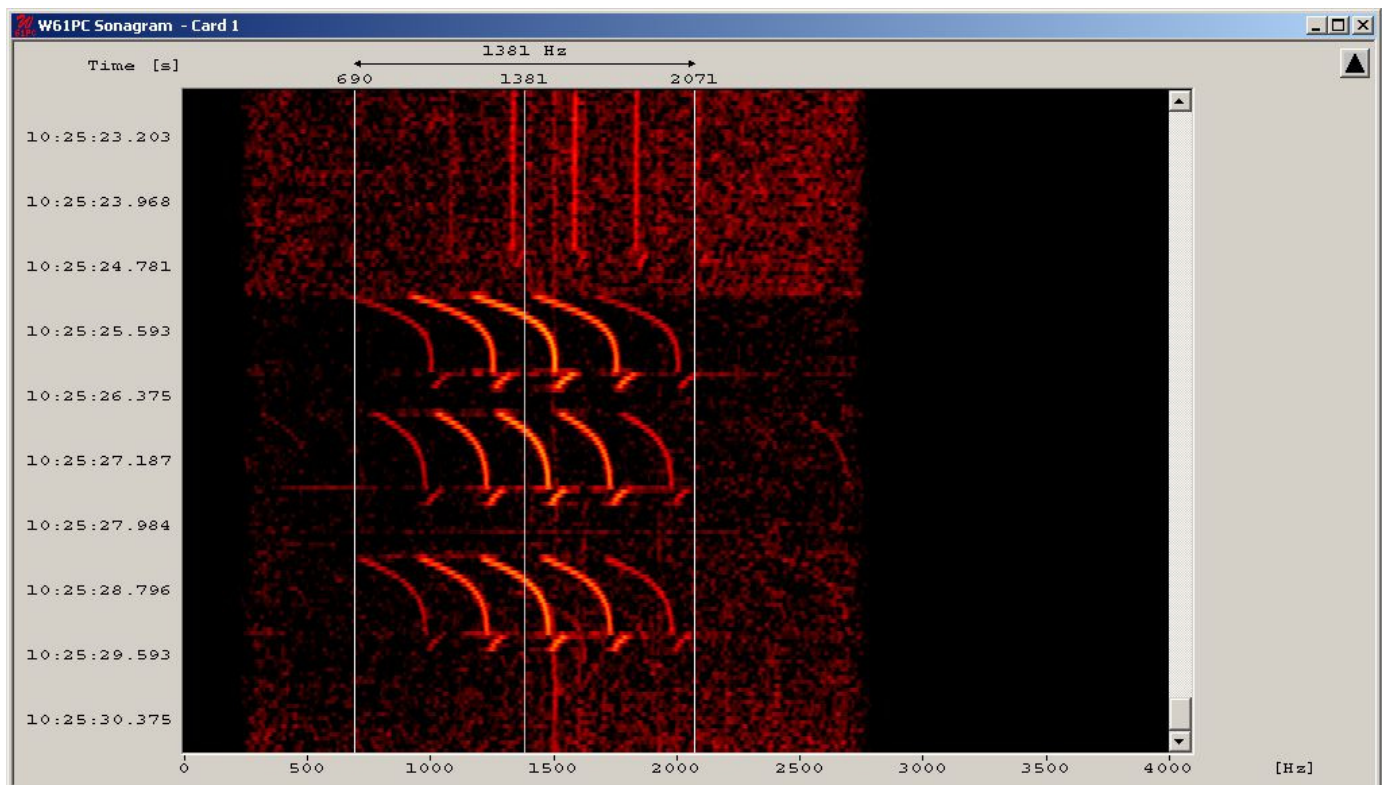
About 3 pulses/sec, sounding like a Codar HF-Radar. USA – east coast -> screenshot below

28000 – 29700 kHz --- Many CIS taxis in FM during improving conditions!

**AT3004D on 14056 kHz (shift here: 5200 Hz) - harmonic from 7026 kHz (shift 2600 Hz) –  
Location: Minsk - Belarus - Date: Mar. 09, 2010 at 1000 UTC – screenshot: DK2OM with Perseus  
daily active since March, 4<sup>th</sup> – all day**



**Uniden system – possibly Far East – on 21312.380 kHz – daily active - long lasting  
screenshot date: 20.02.2010 at 1000 utc - beacon or buoy bursts???**



**Measurements and screenshots: DK2OM with Wavecom W40/61, Perseus or Multipsk**

**credits: Wavecom – Buelach - Switzerland  
SSB-Electronic – Iserlohn - Germany  
BAZ – Special Antennas - Germany**

**compiled and published by DK2OM**