



Monitoring System

Observe the screenshots, comments and credits below!

Intruder News from: **July, 30th 2010** – Persistent: black - Latest: blue - New: red

kHz	UTC	DATE	ITU	IDENT	MODE	BD	SH	DETAILS
3590.000	1800	dly	E	names	USB			Spanish fishery + vocoder, 18 – 22 utc
7000.000	vt	dly	LBY	no ITU	FSK8	125	1750	ALE, "HQ3" "GHADAMES"
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
7054.000	vt	dly	RUS		F1B	50	200	RUS MIL Moscow – morning and evening
7089.500	1238	dly	UKR		F1C			WX-fax - 60 rpm – IOC 576 - Sevastopol
7122.000	vt	dly	RUS	RDL	F1B	50	200	RUS Navy Murmansk
7215.000	0500	dly	ROU		DRM			DRM Romania - spurious down to 7000!
14000.000	2000	dly	B	names	USB			pirate net from North-Brazil
14000.000	vt	dly	I	Napoli	A3E			Napoli Radio, disabled by the Italian PTT
14000.000	1800	dly	Afr	names	USB			net in French voice, NW-Afr – NGO?
14002.200	0615	20.04.10	Afr	names				African net in tribal language – 180°
14026.000	vt	dly	RUS		PSK2	120	2600	AT3004D, RUS MIL Moscow
14223.530	0840	24.06.10	EGY		PSK4	75	1700	Codan 9001, MFA Cairo
14223.710	0830	24.06.10	EGY	TVXF	F1B	100	170	Sitor A, MFA Cairo + EGY emba Madrid
14241.000	vt	dly	CHN	no ITU	FSK8	125	1750	ALE, "193" "905"
14277.000	ady	dly	RUS		OFDM	21	3000	OFDM, 128 tones, screenshots!
14295.153	vt	dly	TJK		A3E			3 rd from 4765 – Radio Tajikistan
14344.650	ady	dly	CHN		serial	2400	2500	intro tone - ACARS? – East China
14348.170	1030	dly	E		OFDM	30	2700	OFDM72 – Canary Islands
14348.500	0711	17.04.10	LBY		F1B	600	600	DPRK-FSK 600 – KRE emba traffic – 180°
21000.000	vt	dly	SDN		USB			Sudan MFA + emba Yemen
21000.400	1300	dly	CLN	names	USB			Tamil fishermen
21002.200	vt	dly	SDN		F1B	100	200	Pactor 1 encryp., Sudan MFA+emba YEM
21100.000	vt	dly	TUR		P0N			Turkish OTH Radar systems, 50 pps
21447.000	1800	dly	USA		A3E			Family Radio, splatter from 21455
24950.000	ady	dly	I		P0N			Codar HF-Radar – Venice
28000.000	ady	dly	CIS	names	F3E			CIS taxi cabs – 28000 – 29700 kHz
28265.000	vt	dly	IRL	Church	F3E			Irish Church divine service, illegal!
29584.800	ady	24.05.10	I		serial			serial modem Brescia
29699.800	ady	24.05.10	I		serial			serial modem Brescia

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 3500, 3510, 3550, 3590, 7000, 14000, 21000, 21222, 21395 kHz in USB, various times. Often using the voice scrambler "CRY 2001".

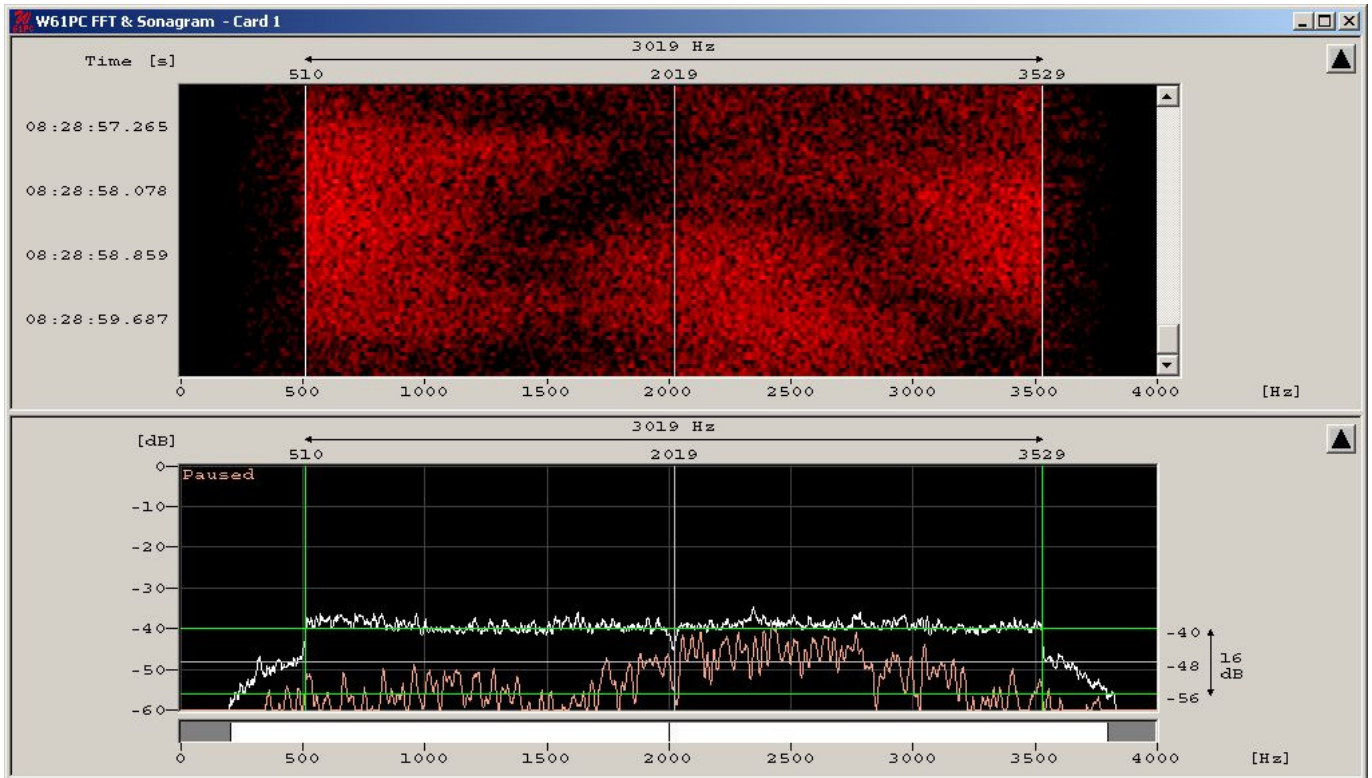
Turkish OTH Radar Systems are daily interfering 21 MHz (50 pulses/sec). 20 kHz wide. Locations: Istanbul and East-Turkey.

Tamil fishery daily on 14000.4 and 21000.4 in USB, often after 1200 UTC.

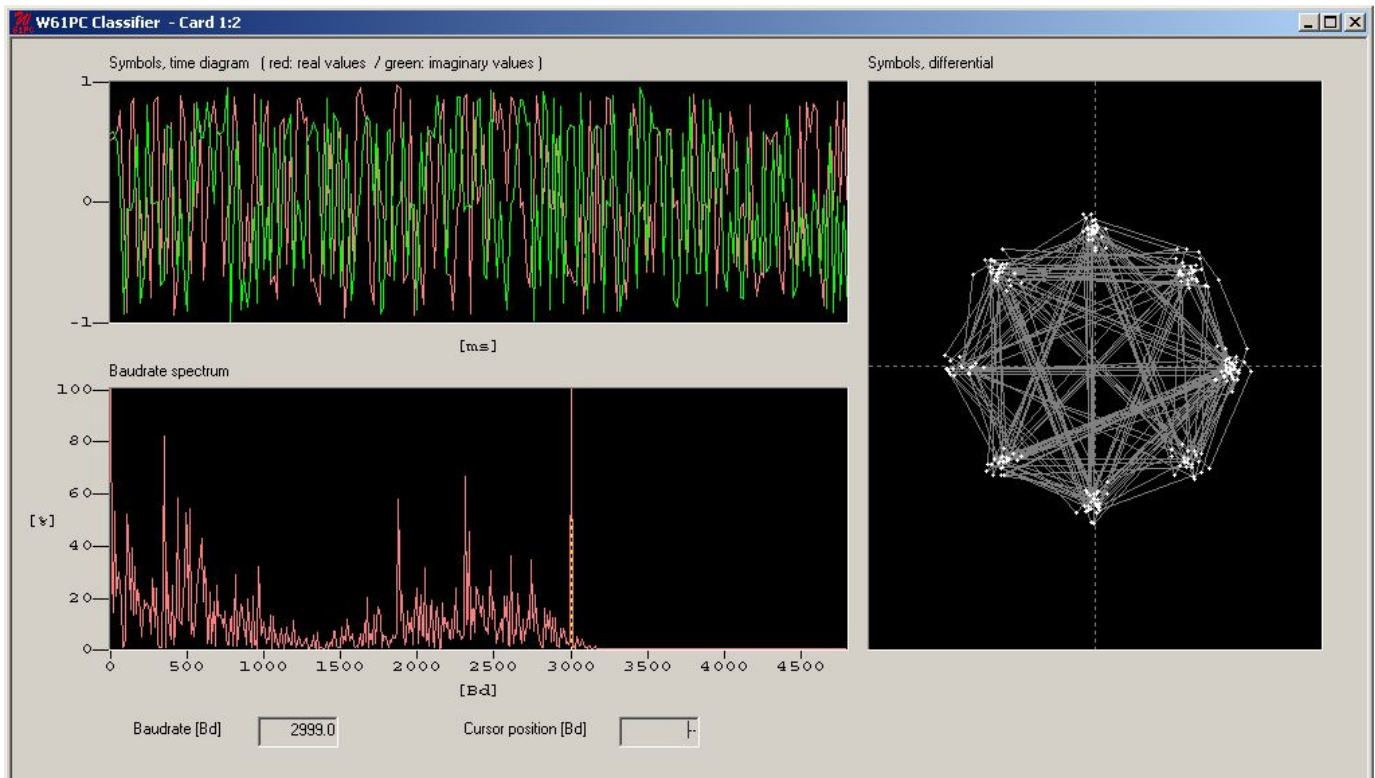
28000 – 28305 kHz --- Brazilian CB-like voice traffic in AM (A3E)!

28000 – 29700 kHz --- Many CIS taxis in FM daily, all day!

OFDM 128 tones, daily on 14277 kHz (center) – 21 Bd/tone – 3000 Hz shift – locations: Moscow and Kaliningrad (Russia) - sonagram and spectrogram with Wavecom W61



**PSK8 – 3000 Bd, 3000 Hz shift, daily on 14277 kHz (center)
locations: Moscow and Kaliningrad (Russia)
phase constellation and baudrate analysed by the Wavecom W61 Classifier**



Measurements and screenshots: DK2OM with Wavecom W61, Perseus or Multiptsk

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

compiled and published by DK2OM