International Amateur Radio Union

Region 1

Monitoring System

Observe the screenshots, comments and credits below!

Intruder News from: October 6th - 2008 – Latest: blue - Persistent: black

kHz	UTC	DATE	ITU	IDENT	MODE	BD	SH	DETAILS
3522.000	vt	dly	I		F1B	300	850	MIL system “Clansman”, Milano
3559.500	vt	dly	F	names	USB			French pirates, area of Nantes
3560.054	1800	dly	KRE		AM			BC from North Korea, fundamental!
3752.000	1700	dly	PLN		P0N		2000	Radar noise, 50 pps, north of Warsaw
7000.000	vt	dly	SEN	no ITU	FSK8	125	1750	ALE, “POW” “DKJ” “ASD” – French MIL
7000.000	ady	dly	LBY	no ITU	FSK8	125	1750	ALE, “NALUT” “DARAG”, Libyian GMRA
7026.000	vt	dly	MEa	no ITU	FSK8	125	1750	ALE, “FIG” “HUN” – MEa?
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
7039.400	ady	dly	RUS		A1A			Beacon “M”, Magadan, East Russia
7054.000	vt	dly	RUS		F1B	50	200	Russian MIL – Nizhniy Novgorod
7088.000	1700	dly	BLR	VOB	AM			Splatter from Radio Minsk on 7105 kHz
7150.000	vt	dly	ROU	no ITU	FSK8	125	1750	ALE, “FARAON” “IZVOR” – ROU MIL
10127.500	vt	dly	E		USB			Spanish fishery, illegal
14000.000	0800	dly	POR		DRM			noise shield from DRM on 13810 kHz
14001.000	ady	dly	CLN		U/LSB			Fishery from Sri Lanka
14005.000	1500	dly	TWN		AM			SOH – Taiwan and CHN music jammer
14046.660	1330	dly	EGY	OOVF	F1B	100	170	Sitor A/B – MFA Cairo with emba Pyongyang
14057.100	1330	dly	CLN	names				fishery net from Sri Lanka
14100.000	vt	dly	INS	names	USB			Indonesian pirates, chatting, singing
14119.000	vt	dly	FEa		FSK8	125	1750	ALE, “TXZ” “YW2” “YW3” – FEa?
14161.800	0900	19.09.08	RUS		BPSK	75	2500	16 x 75 Bd, BPSK - screenshot
14180.000	vt	dly	UKR		F1B	50	200	MIL system, Sevastopol, Ukraine
14192.000	vt	dly	RUS		F1B	50	500	Russian navy, Kaliningrad
14250.430	0606	02.09.08	LBY		F1B	600	600	DPRK-FSK600, possibly KRE emba LBY
14346.462	vt	dly	EGY		QPSK	75	1700	Codan9001, 16x75 Bd - MFA Cairo
14346.800	vt	dly	EGY		F1B	100	170	Sitor A - MFA Cairo – embassy traffic
14350.000	1700	dly	IRN	IRIB	AM			2nd from 7175 – Radio Tehran
18107.000	vt	dly	RUS		F1B	50	250	Russian MIL printer, area of Moscow
24900.000	vt	dly	I		P0N			Codar HF Radar, Naples - screenshot
29685.000	ady	dly	I		serial			MIL system in Brescia, also: 29699.500

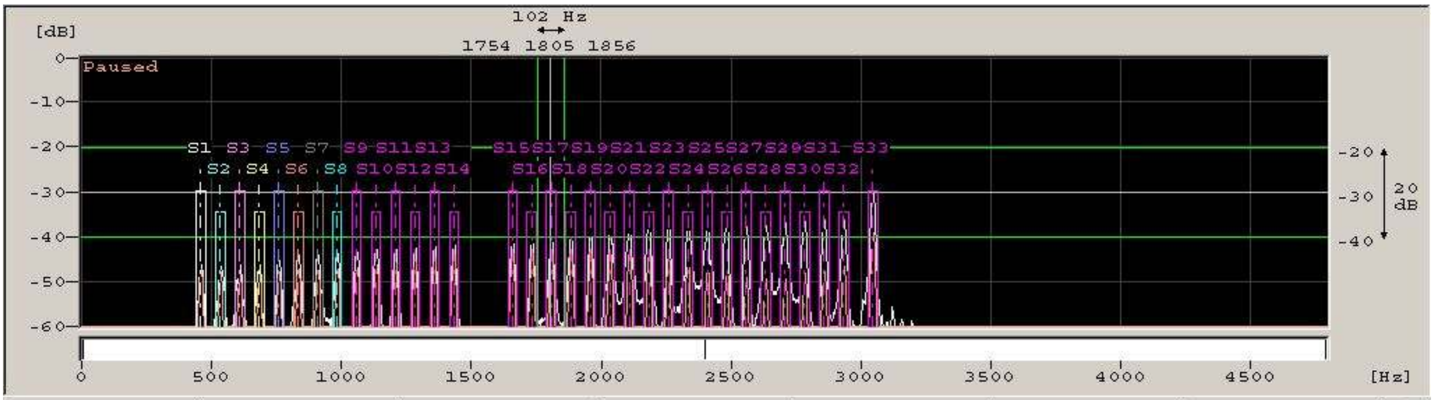
UTC = universal time coordinated (=GMT) /// **ady** = all day /// **ALE** = MIL-188-141A /// **AF** - Airforce
vt = various times /// **con** = continuous /// **dly** = daily /// **date** (dd.mm.yy) /// **ITU** = ITU-abbreviation /// **IDENT** = call, selcall
MODE = USB , LSB, A3E = AM, F3E = FM, F1B (= FSK), G7B, J7D /// **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 /// **NAf** = North Africa
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:

3500.0 and 3600.0 kHz +/- Daily, at various times in USB: French, Spanish, British and Dutch fishery. The Spaniards are often transmitting with “CRY 2001”, encrypted voice traffic (= vocoder).
3550.0, 3590, 10136.0 kHz French amateurs in AM or USB daily, disregarding the bandplans of IARU Region 1!
14005 kHz “Sound of Hope“ – BC from Taiwan + Chinese jammer (Firedrake) from Hainan – back again!
The Taiwanese PTT (NCC) replied DJ9KR as follows:
“The NCC was unable to find harmful interference caused by illegal Sound-of-Hope broadcasting on the exclusive Amateur Radio frequencies - range 14000-14350 KHz..” The whole world hears SOH and the jammer!
14.000 – 14.250 kHz Noise shield, daily at 0800 utc, when the DRM transmission on 13810 kHz in Portugal is starting

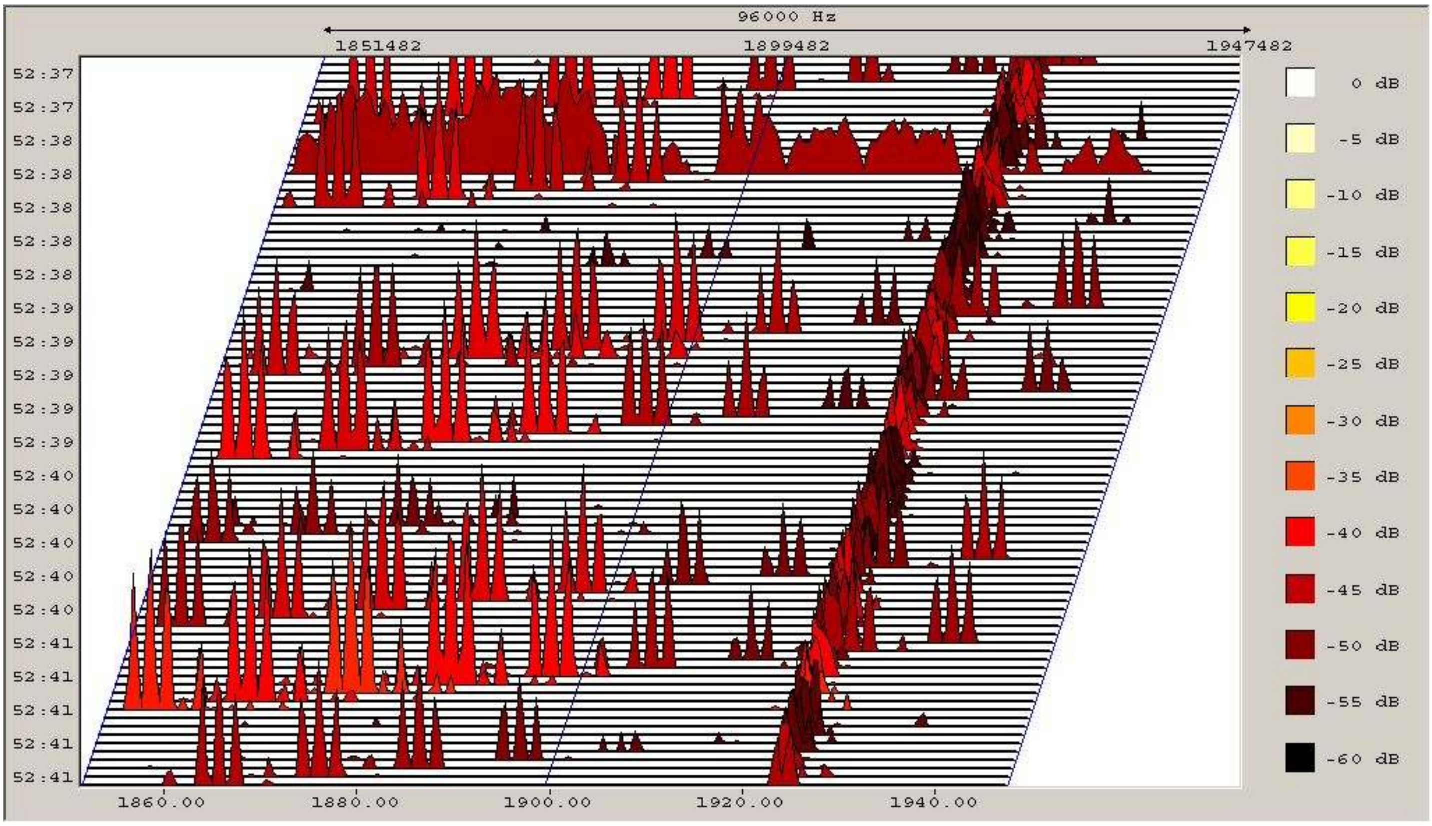
28000 – 29700 kHz --- Many CIS taxis in FM, very strong during Sporadic-E!

MPSK 16, 16 x 75 Bd + 1 pilottone, BPSK, 2500 Hz shift on 14161.800 kHz, screenshot showing idle condition - analysed by the Wavecom Classifier. Location: Ural - Russia



Signal	Modulation	Center	Shift/Spacing	Baudrate	Bandwidth	Confidence
Signal 16	Carrier	1736.7Hz			37.5Hz	85%
Signal 17	Carrier	1811.6Hz			37.5Hz	74%
Signal 18	Carrier	1886.5Hz			37.5Hz	93%
Signal 19	Carrier	1961.7Hz			37.5Hz	94%
Signal 20	Carrier	2036.7Hz			37.5Hz	86%
Signal 21	Carrier	2111.6Hz			37.5Hz	58%
Signal 22	Carrier	2186.6Hz			37.5Hz	90%
Signal 23	Carrier	2261.7Hz			37.5Hz	94%
Signal 24	Carrier	2336.7Hz			37.5Hz	75%
Signal 25	Carrier	2411.6Hz			37.5Hz	68%
Signal 26	Carrier	2486.7Hz			37.5Hz	90%
Signal 27	Carrier	2561.7Hz			37.5Hz	90%
Signal 28	Carrier	2636.7Hz			37.5Hz	81%
Signal 29	Carrier	2711.7Hz			37.5Hz	89%
Signal 30	Carrier	2786.7Hz			37.5Hz	93%
Signal 31	Carrier	2861.7Hz			37.5Hz	94%
Signal 32	Carrier	2936.7Hz			37.5Hz	94%
Signal 33	Carrier	3049.2Hz			37.5Hz	95%

Codar HF ocean-wave-radar from 24850 – 24950 kHz – realtime waterfall – 2 sweeps/sec over 100 kHz – location: Portici, close to Naples - Italy – disturbing the whole 24 MHz-band during Sporadic-E. The German PTT (BNetzA) sent a complaint to the Italian authorities.



Measurements and screenshots: DK2OM with Wavecom decoders

Credits:
http://www.wavecom.ch

compiled and published by DK2OM