International Amateur Radio Union

Region 1

Monitoring System

Observe the screenshots, comments and credits below!

Intruder News from: May 26th 2016 – persistent: black – recent: blue - new: red

kHz	UTC	DATE	ITU	IDENT	MODE	BD	SH	DETAILS
7000.000	ady	dly	RUS		H3E		3.4k	buzzer - 118 Hz AF bursts of 1 sec
7000.000	1725	07.04.16	CHN		FMCW		160k	Chinese boadband radar - screenshot
7000.300	0700	dly	POL		PSK8	2400	2400	MIL-188-110A + ALE – Polish MIL
7039.300	ady	dly	RUS	K	A1A			beacon "K" – Petropavl. Kamchat. "RCC"
7039.400	ady	dly	RUS	M	A1A			beacon "M" – Magadan "RTS" - unclean
7120.000	1700	dly	SOM		A3E			Radio Hargaysa - Somalia
7148.000	1910	18.05.16	RUS		PSK2A	120	2600	AT3004D - Severomorsk
7162.000	1740	25.05.16	RUS		F1B	75	250	Moscow
7176.000	1742	25.05.16	RUS		F1B	75	250	Uralsk – QRM by a DL Ham - screenshot
7186.000	1515	23.05.16	RUS		PSK2A	120	2600	AT3004D – ship, area of Severomorsk
7195.000	1920	10.05.16	IRN		A3E		18k	splatters from BC on 7205 kHz - Iran
10120.000	1630	18.05.16	IRN		A3E/BC		9k	intermod. from 9580 kHz – Voice of Iran
10132.000	1630	23.02.16	AUS		FMCW		10k	Australian burst radar JORN
14000.000	1848	18.05.16	E	names	USB			Spanish pirates - Murcia
14026.000	0830	16.05.16	RUS		PSK2A	120	2600	AT3004D - Moscow
14108.000	0926	12.05.16	RUS		A1A			CW encrypted – RUS MIL Moscow
14192.000	vt	vd	RUS		F1B	50	200	CIS-50-200 - RUS Navy Kaliningrad
14221.000	0530	19.04.16	KGZ		F1B	50	200	CIS-50-50 – Bishkek, daily
14240.000	0724	14.05.16	RUS		F1B	50	250	Moscow
14242.000	0748	26.05.16	RUS		PSK2A	120	2600	AT3004D - Moscow
14274.000	0950	22.05.16	RUS		PSK2A	120	2600	AT3004D - Sevastopol
14295.174	ady	dly	TJK		A3E		9k	3rd from 4765 – Radio Tajikistan
14300.000	0900	25.05.16	RUS		FMCW		13k	OTH radar Contayner – Gorodezh 50 sps
14301.800	0920	22.05.16	CHN		PSK2	75	2200	PRC 16 tones - Shanghai
18080.000	0600	26.05.16	TWN	SOH	A3E/BC		9k	"Sound of Hope" – Taiwan + CHN jammer
18107.000	vt	vd	RUS	RDL	F1B	50	200	Moscow – RUS navy – legal operation!
21000.000	1856	18.05.16	B		USB			Brazilian pirates – Rio + North Brazil
21040.400	1628	20.05.16	MRC		USB			Moroccan fishery
21270.000	0922	23.05.16	AUS		FMCW		10k	Australian burst radar JORN – 50 sps
21438.000	vt	dly	RUS	RCV	CW			RCV, RIP90 – RUS Navy Sevastopol
28100.000	ady	dly	POR		F1B	51	270	Enagal GPS buoys – Atlantic Ocean
28960.000	0847	12.05.16	IRN		FMCW		50k	OTH radar Iran – 150 and 313 sps
29249.890	1612	11.04.16	E		F1B	81.9	140	Datawell buoy - Fuerteventura

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 -> OTH radar ///

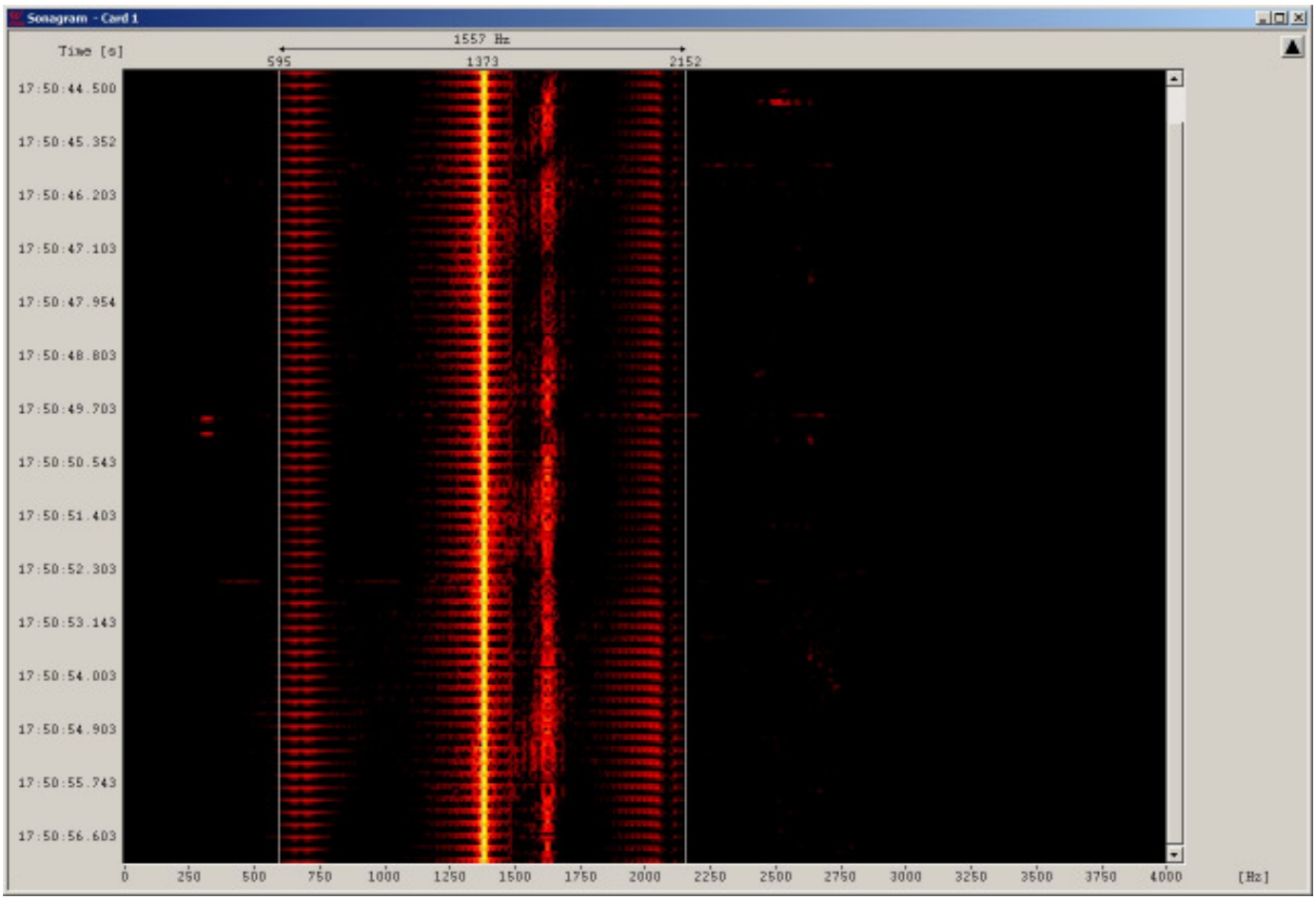
OTHR = OTH radar -> FMCW = frequency modulated continuous wave -> FMOP = freq. mod. on pulse

Notice board:

Illegal BCs: 7120 -> Radio Hargaysa Somalia +++ 7200 -> Radio Myanmar 0930 – 1500 utc +++
3500, 3510, 3520, 3540, 3550, 3570, 3574, 3590, 7000, 10101, 10125, 14000, 14162, 21000, 21400 USB
3517.4 LSB - Spanish fishery, daily, various times – often with scrambler CRY 2001
7018 – REA4 – Russian Airforce Moscow – F1B 100 / 800 – mostly idling – ident at full hour + 41 min.
28000 – 29700 kHz – crowded of CIS taxis in FM – daily, all day
28000 – 29700 – illegal transmissions by Datawell buoys "Waverider" with 81.9 Bd and 140 Hz shift!

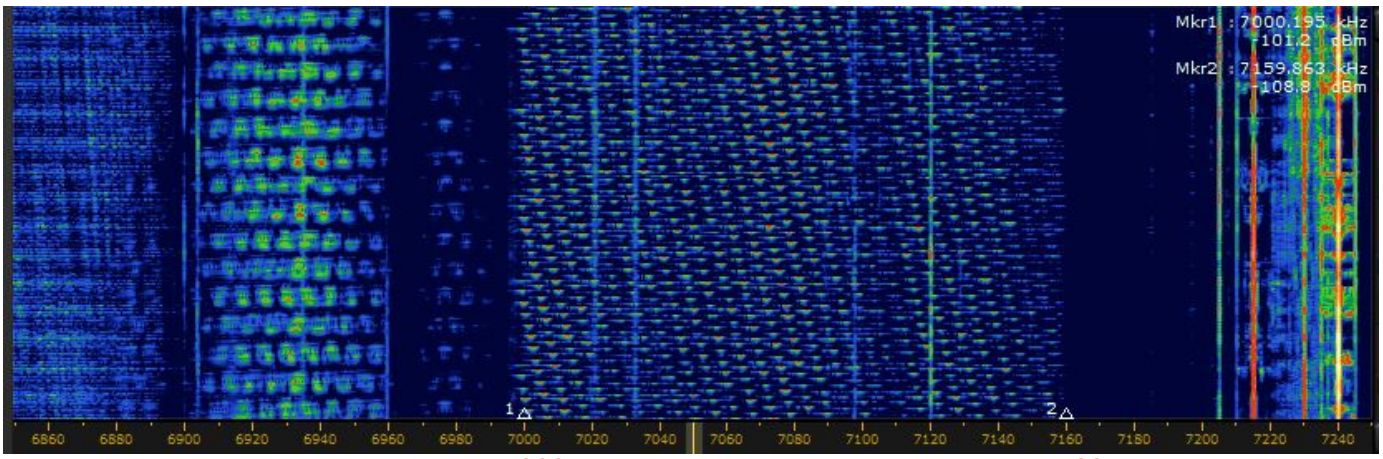
Russian MIL F1B on 7176.0 kHz with 75 Bd and 250 Hz shift on May 25th at 1745 utc
location Uralsk - disturbed by a German Ham with CW-dashes on the space frequency
The CW signal is producing spurious emissions about 1.6 kHz wide!

Screenshot: DK2OM with Wavecom W-Code



Chinese broadband OTH radar (FMCW) – 10 sps - 7000 – 7160 kHz – on April 7th at 1725 UTC
very strong in Europe

Screenshot: DK2OM with Perseus



7000 **7160**

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

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