



INTERNATIONAL AMATEUR RADIO UNION

REGION 3



MONITORING SYSTEM REPORT

February, 2007

B.L. Manohar Arasu VU2UR

We continue to flag reports with the colour red that merit closer review, whether it be due to simple reasons (such as reporting Voice of Korea as Radio Pyongyang) or the disturbing and rapidly increasing trend of calling everything a “jammer”. Intruders like the over-the-horizon radar (OTHR) systems operated by the People’s Republic of China (on the 80, 40, 30 and 20 metre bands) or United Kingdom (from the Sovereign Base Areas on Cyprus, on the 30, 20, 17, 15, 12 and 10 metre bands) are clearly pulse emissions and are well known to be OTHR. Such inaccuracies detract from the credibility of our important work.

During this month, a Voice of America relay transmission from the Philippines has been identified from Hong Kong on 7025 kHz, although the VOA transmission is on 7120 kHz. An approach to VOA at the USA consulate in Hong Kong met with a counterclaim of harmful interference being caused by amateurs to reception of VOA. The same facility has since been found from Hong Kong to be the likely source of carriers on 14040, 14065, 14100 and 14195 kHz, before the start of the GMT day, transmitting programming in Bahasa to Indonesia. These observations support a report from amateurs in the Philippines of numerous such carriers within amateur service spectrum, as well as a problem of long standing. Sadly, despite correspondence with the US Government’s International Broadcasting Bureau, these intruders are still heard daily from Hong Kong. Further reports are sought, as frankly it is very disappointing to see Voice of America’s broadcast services in violation of the provisions of the ITU-RR.

Amateurs across IARU Region 3 – not just those involved in IARU Region 3 Monitoring System – are familiar with the transmissions of the Democratic People’s Republic of Korea’s “Voice of Korea” on fundamental frequencies such as 3560, 7100 and harmonics/spurious on 14000, 14250, 14280, 21420 and 21445 kHz. Monitors and member-societies alike may not be amused to see the reaction from the general amateur population to spots of “Voice of Korea” in this month’s newsletter, especially if compared to their reaction to the recent emergence of a single aeronavigation beacon somewhere in ITU Region 2.

The loss of often exclusive amateur service allocations to such intruders – that include leading first-world countries, some of which are represented in IARU Region 3, by their respective amateur member-societies – should be a disappointment to everyone, as it adversely effects us all.

This month’s contributors:

ARSI: VU2UR

JARL: JA2ANM, JA2CNT, JA2WO, JI2GPM, JA0AD

NZART: ZL1BYA

kHz	BW	YYYY	MM	DD	GMT	Time	Emm	Bd	Sft	Hdg	ADM	ID	Description	Grid	Society
1820		2007	2	5	12:00		XXX						Wide Band Noise		JARL
1822		2007	2	20	13:10		A0N								JARL
1909		2007	2	5	12:05		XXX						Wide Band Noise		JARL
3500		2007	2	12	13:00		A3E						Music/voice		JARL
3502		2007	2	21	11:40		XXX						Jammer		JARL
3503		2007	2	21	13:00		XXX						Jammer		JARL
3505		2007	2	1	11:54		XXX						Jammer		JARL
3515		2007	2	12	13:16		XXX						Jammer		JARL
3517		2007	2	20	13:20		XXX						Wide Band Noise		JARL
3530		2007	2	21	11:45		XXX						Jammer		JARL
3534		2007	2	21	11:54		XXX						Jammer		JARL
3540		2007	2	15	12:45		A1A						t7u4a43a3de,4		JARL
3550		2007	2	1	11:56		XXX						Jammer		JARL
3552		2007	2	20	12:53		J3E/L						Music		JARL
3553		2007	1	30	01:55		A3E						Chn voice/music		JARL
3559		2007	2	12	13:50		A0N								JARL
3560		2007	02	DY		0900-2100	A3E				KRE	VoKOREA	B-C, PYONGYANG		NZART
3560		2007	2	1	16:00		A3E					R Pyongyang	ENG/FRN/KOR voice/music, +117 more reports		JARL
3585		2007	1	30	12:06		XXX						Jammer		JARL
3747		2007	2	26	13:00		XXX						Jammer		JARL
3748		2007	2	15	11:05		XXX						Jammer		JARL
3753		2007	1	30	12:16		XXX						Jammer		JARL
3782		2007	2	12	14:00		XXX						Jammer		JARL
3790		2007	2	1	12:10		XXX						Jammer		JARL
3791		2007	1	30	12:18		XXX						Jammer		JARL
3796		2007	2	17	11:20		XXX						Jammer		JARL
3798		2007	2	17	11:24		XXX						Jammer		JARL
3798		2007	2	26	13:04		XXX						Jammer		JARL
3890		2007	02	DY		1730-	A3E/XXX				UNID	UNID	B-C AND JAMMERS		NZART
7000		2007	02	DY		HX24	J3E/U/L				INS	UNID	INDONESIAN CB		NZART
7000		2007	2	1	12:11		A3E						CHN voice/music, +2 more reports		JARL
7002		2006	02	03	<0218>		J3EU				INS	UNID	INDONESIAN NON-HAMS INCL.YL	MK82	ARSI
7004		2007	2	9	12:00		XXX						Jammer		JARL
7005		2006	02	03	<0219>		J3EU				CHN	UNID	CHINESE SPEAKING STATIONS	MK82	ARSI
7006		2006	02	01	<0154>		J3EU				CLN	UNID	CHINESE SPEAKERS	MK82	ARSI
7008		2007	2	1	11:30		XXX						Jammer		JARL
7008	16	2007	2	22	08:43		PXX						Wide Band Noise(6946-7016)		JARL
7010		2007	2	3	10:44		J3E/L						SPN voice		JARL
7011		2006	02	02	<0236>		J3EU				CLN	UNID	SRI LANKAN FISHING TRAWLERS	MK82	ARSI
7011.5		2006	02	02	<0216>		J3EU				CLN	UNID	SRI LANKAN FISHING TRAWLERS	MK82	ARSI
7017		2006	02	01	<0239>		J3EU				CLN	UNID	SRI LANKAN FISHING TRAWLERS	MK82	ARSI
7017		2007	2	2	11:00		XXX						Jammer		JARL
7018		2007	02	DY		1725-2100	F1B				RUS	REA4	IDLE ONLY, ID AT HR+40 MINS.		NZART
7018		2007	2	1	11:42		XXX						Jammer, +1 more report		JARL
7018.3		2007	1	29	01:10		XXX						Jammer		JARL
7020		2007	2	5	12:10		XXX						Wide Band Noise		JARL

kHz	BW	YYYY	MM	DD	GMT	Time	Emm	Bd	Sft	Hdg	ADM	ID	Description	Grid	Society
7026		2007	2	1	11:45		XXX						Jammer		JARL
7030		2006	02	01	<0153>		J3EU				CLN	UNID	SRI LANKAN FISHING TRAWLERS	MK82	ARSI
7032		2007	2	3	14:06		PXX						+1 more report		JARL
7034		2007	2	13	14:06		PXX								JARL
7035		2007	2	4	16:06		PXX						+2 more reports		JARL
7036		2007	2	5	14:06		PXX						+2 more reports		JARL
7037		2007	2	6	14:06		PXX						+1 more report		JARL
7038		2007	2	4	18:06		PXX						+2 more reports		JARL
7038.6		2006	02	02	<0217>		A1A				RUS	C	BEACON "C"	MK82	ARSI
7039		2007	02	DY		H24	A1A				RUS	M,D,C M	SINGLE LETTER BEACONS		NZART
7039		2007	2	1	16:02		A1A						Beacon, +73 more reports		JARL
7040		2007	2	2	14:06		PXX						+9 more reports		JARL
7041		2007	2	8	14:04		PXX								JARL
7041.6		2006	02	03	<0216>		J3EU				CLN	UNID	SRI LANKAN FISHING TRAWLERS	MK82	ARSI
7042		2007	2	6	19:04		PXX						+4 more reports		JARL
7043		2007	2	2	11:15		XXX						Jammer, +6 more reports		JARL
7044		2007	02	DY		1700-1915	F1B				UNID	UNID	IDLE ONLY		NZART
7044		2007	2	4	11:40		XXX						Jammer, +10 more reports		JARL
7044.3		2007	1	30	11:30		XXX						Jammer		JARL
7044.8		2007	1	29	01:10		XXX						Jammer		JARL
7045		2007	2	1	16:04		F1B						+102 more reports		JARL
7050	60	2007	02	DY		1830-2130	PXX				UNID	UNID	OTHR 60 KHz WIDE,CENTRE FREQ VARIES.		NZART
7053.5	57	2007	2	15	12:41								Wide Band Noise(6998-7057)		JARL
7060		2006	02	02	<0240>		J3EU				CLN	UNID	SRI LANKAN FISHING TRAWLERS	MK82	ARSI
7066		2006	02	01	<0155>		J3EU				CLN	UNID	SRI LANKAN FISHING TRAWLERS	MK82	ARSI
7066.5		2006	02	01	<0155>		A1A				CHN	L9CC	L9CC CALLING CP17	MK82	ARSI
7068		2007	2	1	18:08		A1A					L9CC	CP17 de L9CCV		JARL
7069		2007	2	12	14:06		A1A					L9CC	CP17 de L9CCV, +2 more reports		JARL
7070		2007	1	29	01:05		J3E/L						Rus voice		JARL
7070.3		2006	02	01	<0205>		J3EU				CLN	UNID	SRI LANKAN FISHING TRAWLERS	MK82	ARSI
7072		2007	2	15	19:10		PXX								JARL
7073		2007	2	17	14:40		A1A					L9CC	CP17 de L9CCV, +1 more report		JARL
7074		2007	2	12	09:09		A1A					2SLC	MW3D MW3D MW3D DE 2SLC 2		JARL
7093		2007	2	3	14:08		PXX								JARL
7094		2007	2	19	14:08		PXX								JARL
7095		2007	2	4	16:08		PXX						+3 more reports		JARL
7096		2007	2	5	14:08		PXX								JARL
7097		2006	02	03	<0222>		J3EU				CLN	UNID	SRI LANKAN FISHING TRAWLERS	MK82	ARSI
7097		2007	2	6	14:08		PXX								JARL
7097		2007	2	7	16:08								+1 more report		JARL
7098		2007	2	4	18:08		PXX						+3 more reports		JARL
7099		2007	2	4	19:08		PXX						+3 more reports		JARL
7100		2006	02	DY	1800-		A3E				KRE	VoKOREA	DPR KOREA B/C FRENCH	MK82	ARSI
7100		2006	02	DY	<1500>		A3E				ERI	VoBM	DOMESTIC SERVICE OF VoBROAD MASSES	MK82	ARSI
7100		2007	02	DY		1700-1900	A3E				UNID	UNID	BC		NZART
7100		2007	2	1	18:00		A3E					R Pyongyang	ENG/FRN/KOR voice/music, +42 more reports		JARL

kHz	BW	YYYY	MM	DD	GMT	Time	Emm	Bd	Sft	Hdg	ADM	ID	Description	Grid	Society
7430		2007	2	1	11:48		XXX						Jammer		JARL
10100		2007	2	2	11:20		XXX						Jammer		JARL
14000		2007	02	DY		HX24	J3E/U/L				UNID	UNID	INDONESIAN CB		NZART
14002.5		2007	02	01		0800-	F1B				UNID	UNID	250 HZ ENCRYPTED.		NZART
14006		2007	02	02		0800-	M7B				UNID	UNID	MULTI CHANNEL PHASE MOD.		NZART
14006		2007	02	02		0830-	M7B				UNID	UNID	MULTI CHANNEL PHASE MOD.		NZART
14030		2007	2	1	20:45		A3E						Other, +6 more reports		JARL
14090		2007	2	8	20:47		A3E						Other, +4 more reports		JARL
14100		2007	02	DY		HX24	J3E/U/L				UNID	UNID	INDONESIAN CB		NZART
14104		2007	02	13		0815-	F1B				UNID	UNID	250 HZ SHIFT, ENCRYPTED.		NZART
14123		2007	02	13		0835-	A2N				UNID	UNID	MULTI TONE MOD CARS.		NZART
14152		2007	2	1	20:46		A3E						Other, +2 more reports		JARL
14153		2007	2	8	20:48		A3E						Other, +3 more reports		JARL
14155		2007	02	01		0700-0830	M7B				UNID	UNID	MULTI CHANNEL PHASE MOD.		NZART
14183		2007	2	1	20:46		A3E						Other		JARL
14184		2007	2	2	21:00		A3E						Other		JARL
14213		2007	2	8	20:48		A3E						Other, +3 more reports		JARL
14214		2007	2	1	20:47		A3E						Other, +1 more report		JARL
14240		2007	02	01		0730-	F1B				UNID	UNID	250 HZ ENCRYPTED.		NZART
14250		2007	02	DY		0400-0900	A2E				KRE	VoKOREA	BC PYONGYANG,		NZART
14274		2007	2	1	20:48		A3E						Other, +1 more report		JARL
14275		2007	2	9	21:01		A3E						Other		JARL
14276		2007	2	8	20:48		A3E						Other		JARL
14280		2007	02	DY		0745-	A3E				KRE	VoKOREA	B-C, 2F 7140		NZART
14334		2007	2	1	20:48		A3E						Other, +1 more report		JARL
14335		2007	2	8	20:49		A3E						Other, +4 more reports		JARL
24950	100	2007	02	DY		H24	PXX				UNID	UNID	CODAR SEA STATE RADAR.		NZART
28000		2007	02	DY		HX24	A3E/F3E				CHN	UNID	CHINESE CB EVERY 5 KHz.		NZART
28165		2007	02	02		0815-0900	A1A				UNID	NA	FISH NET BEACON		NZART
28190		2007	02	02		0815-0900	A1A				UNID	B	FISH NET BEACON		NZART
28235		2007	02	02		0815-0900	A1A				UNID	CP	FISH NET BEACON		NZART
28310		2007	02	02		0815-0900	A1A				UNID	BV,S,NA	FISH NET BEACON		NZART
28355		2007	02	02		0815-0900	A1A				UNID	CP	FISH NET BEACON		NZART

kHz	YYYY	MM	DD	GMT	Call	Comment	Spotter
1800.1	2007	02	01	1236	BYJAMMER	20 over whole band agn tonite	VR2MX
1800.1	2007	02	01	2301	BYJAMMER	still 20 over after sr	VR2MX
1800.1	2007	02	02	0411	BYJAMMER	S9 at mid-day	VR2MX
1800.1	2007	02	02	0637	BYJAMMER	10 over at 1400 local	VR2MX
1800.1	2007	02	02	2243	BYJAMMER	peaks 30 over	VR2MX
1800.1	2007	02	02	2327	BYJAMMER	10 over @ sr plus 1 hr	VR2MX
1800.1	2007	02	03	0015	BYJAMMER	s9 across band @ sr plus 2 hrs	VR2MX
1800.1	2007	02	03	0148	BYJAMMER	sr plus 3 hrs, finally gone	VR2MX
1800.1	2007	02	03	1825	BYJAMMER	30 over	VR2MX
1800.1	2007	02	03	1940	BYJAMMER	10-20 over, whole band	VR2MX
1800.1	2007	02	04	0359	BYJAMMER	gone by mid-day, THANK YOU	VR2MX
1800.1	2007	02	05	2251	BYJAMMER	mother says no agn today	VR2MX
1800.1	2007	02	06	0607	BYJAMMER	motherland smothering us	VR2MX
1800.1	2007	02	06	1058	BYJAMMER	no 160m band in VR anymore	VR2MX
1800.1	2007	02	06	1205	BYJAMMER		VR2MX
1800.1	2007	02	06	1333	BYJAMMER	whole band, minimum S9	VR2MX
1800.1	2007	02	06	2212	BYJAMMER	mummy sez no agn this morning	VR2MX
1800.1	2007	02	07	2237	BYJAMMER	20-30 over whole band	VR2MX
1814.0	2007	02	20	1205	JA1HQT	Saka vy loud-No dragon?	W9UCW
1816.3	2007	02	07	1152	JA1HQT	qsx 1954 bcs of Dragon	JF7DZA
1820.5	2007	02	08	1829	JA7NI	no jammer today	JA7NI
1821.5	2007	02	02	2109	YA/LY1Y	readable today up from jam	JH3VNC
1823.0	2007	02	04	0939	BY0JAM	s9 with USAbev	JF7DZA
1824.7	2007	02	04	2119	VK6HD	pirates on USB	VK6HD
1825.0	2007	02	01	1012	BY0JAM	s7 with USA bev...	JF7DZA
1827.1	2007	02	06	2113	J20RR	radar spoiling copy	VK6HD
1827.3	2007	02	06	2115	J20RR	through Dragon	JF7DZA
3500.0	2007	02	06	2011	PIRAT	usb	IK1RLI
3502.4	2007	02	08	2215	INTRUDER	CW numbers - military?	HA0DU
3505.0	2007	02	02	0924	JF7DZA	is by0jam on 80?	ZP6CW
3505.1	2007	02	15	1351	VK9DNX	Now jammer stop. wkd on 3508.1	JA8BMK
3512.4	2007	02	07	1140	V31FG	pirate ssb nw on freq	VK6HD
3520.0	2007	02	09	1014	BY7RADAR	to 3623	VR2MX
3530.0	2007	02	28	0400	CN0XXX	QRM, piratas SSB	EB8AH
3625.0	2007	02	07	2328	BY7RADAR	to 3800	VR2MX
3630.0	2007	02	27	2313	BY7RADAR	to 3690	VR2MX
3640.0	2007	02	28	2308	BY7RADAR	to 3740	VR2MX
3710.0	2007	02	07	2249	BY7RADAR	to 3800 or so	VR2MX
3765.0	2007	02	13	1214	YBIDIOTS	Hams or Pirates???	VK6CJL
3780.0	2007	02	27	2314	BY7RADAR2	to 3895	VR2MX
3790.0	2007	02	12	0923	BYJAMMER	Beging cant cpy YW0	JA8DNV
3793.0	2007	02	07	2305	DX0JP	sez qrn prob, is from BY7RADAR	VR2MX
3793.0	2007	02	15	2130	YU1XA	JAMMING NOISE	HL5FUA
3795.0	2007	02	09	0954	YW0DX	3795 hevly storong jamming pse	JA3EMU
3795.0	2007	02	11	1020	BY0RADAR	S-9+	JA3CZY
3795.0	2007	02	12	1106	BY0RADAR	QRMMM QRNNN	JA3CZY
3795.0	2007	02	15	1131	BY/RADAR	occupied!!	JA3CZY
3795.0	2007	02	15	2055	JA5AQC	cq dx but noise today	HL5FUA
3795.0	2007	02	15	2057	JA5AQC	3790-3805 59+++ jamming now pu	JA3EMU
3795.0	2007	02	19	1137	BY/RADAR	Terrible QRMMMM!!!	JA3CZY
3795.0	2007	02	28	1049	BY/RADAR	Terrible QRMMMM QRNNNN	JA3CZY
3798.9	2007	02	15	1007	NP4A	cq dx JA / BY OTHR vry strong	VK3IO
3798.9	2007	02	28	1246	VK9DNX	simplex, heavy jammer , workab	JA8BMK
3799.0	2007	02	20	1100	BY1RADAR	band fubar agn	W6ANR
3799.0	2007	02	28	1252	VK9DNX	3770 to 3840 solid jam pse qsy	AH2L
3799.5	2007	02	04	1648	ZL1AIX	By Warren Radar 20 over 9	OE4XLC
3801.5	2007	02	23	1850	DK88?	German pirate USB ?????	DF3OJ
3830.0	2007	02	09	1014	BY7RADAR2	to 3940, too	VR2MX
3836.0	2007	02	06	1203	BY7RADAR	to 3900	VR2MX
3840.0	2007	02	06	1238	BY7RADAR	to 3900	VR2MX
3840.0	2007	02	06	1332	BY7RADAR	to 3900	VR2MX
3900.0	2007	02	07	2250	BYBCST	extend below shared bcast alloc	VR2MX
7000.0	2007	02	03	1759	BYRADAR	7.040-7.090 5/9 AGAIN	VK4HFO
7000.0	2007	02	05	1734	BYRADAR	vk deaf to eu due to radar	VK4HFO
7000.0	2007	02	06	1637	BYRADAR	entire band blocked yet agn	VK4HFO
7000.0	2007	02	14	1703	BYRADAR	=40db in vk yet again	VK4HFO
7000.0	2007	02	14	1859	VK9	big radar QRM 7000-7020	SP4Z
7000.0	2007	02	15	1758	BYRADAR	ho-hum 20db yet agn	VK4HFO

7000.1	2007	02	03	1830	BY7RADAR	to 7100 20 over	VR2MX
7000.1	2007	02	06	0609	BY7RADAR	to 7020	VR2MX
7000.1	2007	02	08	1121	BY7RADAR	to 7100	VR2MX
7000.1	2007	02	09	0003	BY7RADAR	to 7140 (starts at 6755)	VR2MX
7000.1	2007	02	09	1012	BY7RADAR	to 7053	VR2MX
7000.1	2007	02	15	2354	BY7RADAR	to 7065 30 over	VR2MX
7000.1	2007	02	22	0943	BY7RADAR	to 7100	VR2MX
7000.1	2007	02	27	2312	BY7RADAR	to 7100	VR2MX
7001.0	2007	02	01	1245	BY7DIGI		VR2MX
7001.0	2007	02	02	0024	BY7DIGI		VR2MX
7001.0	2007	02	02	2328	BY7DIGI		VR2MX
7001.0	2007	02	03	1828	BY7DIGI		VR2MX
7001.0	2007	02	05	2252	BY7DIGI		VR2MX
7001.0	2007	02	06	0609	BY7DIGI		VR2MX
7001.0	2007	02	06	1333	BY7DIGI		VR2MX
7001.0	2007	02	06	2238	BY7DIGI		VR2MX
7001.0	2007	02	07	2237	BY7DIGI		VR2MX
7001.0	2007	02	15	2258	BY7DIGI		VR2MX
7001.0	2007	02	27	2315	BY7DIGI		VR2MX
7003.0	2007	02	02	0024	BY7RADAR	to 7070	VR2MX
7005.0	2007	02	07	2319	DX0JP	sez big prob w/BY7RADAR	VR2MX
7008.0	2007	02	13	0425	PUN	INTRUDER THINK STARTING RTTY A	W2GFF
7008.0	2007	02	13	0433	PUN	BEAM HDG TO CARIB/CUBA FM DFW	N5JB
7008.0	2007	02	13	0444	PUN	also audible on 5256.2	N9NS
7008.0	2007	02	13	2329	ST2R	qrm from intruder PUN carrier	W2GFF
7010.0	2007	02	05	1633	VKRADAR	entire band jammed yet agn	VKSWL
7015.0	2007	02	13	1911	PIRATAS	USB pescadores GALEGOS	EC3CXS
7018.6	2007	02	19	0246	INTRUDER	big qrm	OE6BMG
7023.4	2007	02	21	1430	UN7AM	cq - tough thru radar	N7CW
7025.0	2007	02	28	2310	KBCST	sounds like VoA	VR2MX
7035.8	2007	02	03	0909	INTRUDER	RTTY	DG0FIH
7050.0	2007	02	03	2041	RADIO	broadcast radio am 59+60 here?	EC5CFM
7050.0	2007	02	03	2058	ALL	???? Broadcasting ?????	IW0GSB
7050.0	2007	02	03	2102	BC	very bad qrm	N2CU
7050.0	2007	02	03	2103	BC	sounds like DRM causing nitema	WF5X
7050.0	2007	02	03	2103	NOISE	anche a palermo	IT9DQM
7050.0	2007	02	03	2107	NOISE	FINISH NOW	IZ7AUH
7050.0	2007	02	03	2112	CRAP	BAD GARBAGE +/- 3kHz	N2CU
7050.0	2007	02	03	2118	FMRADIO	s9+40 dB	RL3WX
7050.9	2007	02	03	2104	NOISE	ANY INFO ABOUT THIS NOISE?	IZ7AUH
7055.0	2007	02	01	1705	BYRADAR	NUKE the radar	VK4HFO
7062.0	2007	02	05	1755	EI4GQB	audio only in the radar	VK4HFO
7074.0	2007	02	27	1924	EI4GQB	5-8 With BY Radar	VK2ZQ
7078.0	2007	02	18	1926	PIRATES	in USB	PE9PE
10100.0	2007	02	07	2354	QRM	as QRM.merde all over the band	I1APQ
10100.0	2007	02	07	2356	UPDATE	radar techology. O yes!!!	I1APQ
10100.0	2007	02	07	2358	PEOPLE	of radar technology... O YES!!	I1APQ
10100.1	2007	02	01	1242	BY7RADAR	to 10150	VR2MX
10104.0	2007	02	07	2351	5T5DY	GOT HIM IN RADAR QRM	SP2EXE
14000.0	2007	02	02	1829	IT9	pirate ssb 59+30 probaly fishe	IZ5CML
14000.0	2007	02	23	0028	VR2MX	stop spotting P5..(N.korea)	ON6RK
14000.0	2007	02	25	0022	P5BCST3	under Chinese SSB QRM	VR2MX
14000.0	2007	02	25	0024	VR2MX	stop spotting P5 (N.Korea)	ON6RK
14000.0	2007	02	26	1435	USB	intruder also indian ocean fem	DH3RD
14000.0	2007	02	28	0100	P5KJI	Kim Jong II is op now?	SWL
14000.0	2007	02	28	0351	VR2MX	what are doing here???	RA0FU
14000.1	2007	02	03	1827	BY7MUSIC	splatter from jammer on 13775	VR2MX
14000.1	2007	02	06	1054	BY7BCST	splatter from china jam 13970	VR2MX
14000.1	2007	02	25	0027	P5BCST3	vy hrd cpi under Chinese SSB	VR2MX
14000.3	2007	02	20	0029	P5BCST	VoKor in Spanish	VR2MX
14000.5	2007	02	22	0033	P5BCST2	VoKor in Spanish now hrd	VR2MX
14000.5	2007	02	28	0056	P5BCST		VR2MX
14000.5	2007	02	28	0056	VR2MX	How about INTRUDER spots inste	W3UR
14002.0	2007	02	01	1245	BY7DIGI	2f of 7001	VR2MX
14002.0	2007	02	02	0024	BY7DIGI	2f of 7001	VR2MX
14002.0	2007	02	02	2328	BY7DIGI	2f of 7001	VR2MX
14002.0	2007	02	03	0049	BY7DIGI	2f of 7001	VR2MX
14002.0	2007	02	03	1826	BY7DIGI	2f of 7001	VR2MX
14002.0	2007	02	05	2252	BY7DIGI	2f 7001	VR2MX

14002.0	2007	02	06	0609	BY7DIGI	2f 7001	VR2MX
14002.0	2007	02	06	1201	BY7DIGI	2f 7001, lost btm 4 kc of band	VR2MX
14002.0	2007	02	06	1333	BY7DIGI	2f 7001	VR2MX
14002.0	2007	02	06	2238	BY7DIGI	2f 7001	VR2MX
14002.0	2007	02	07	2237	BY7DIGI	2f 7001	VR2MX
14002.0	2007	02	09	0005	BY7DIGI	2f 7001	VR2MX
14002.0	2007	02	27	2316	BY7DIGI	2f 7001 w/Chinese SSB on top	VR2MX
14015.0	2007	02	24	1515	PUN	1 month old intruder	HP1AC
14016.7	2007	02	22	0645	INTRUDER	Gambio ??	ZL1CDX
14025.0	2007	02	06	1042	BYBCST	CRI/RCI all over band tonight!	VR2MX
14027.0	2007	02	06	1038	BYINTRUDER	USB, Mandarin dialect fm north	VR2MX
14040.0	2007	02	01	1248	BY7BCST	from east, shantou spur also h	VR2MX
14050.0	2007	02	02	0153	BY7BCST	no by7digi, but imd & spurs	VR2MX
14078.3	2007	02	14	0643	J20RR	QRT - Radar-QRM	DJ4LK
14087.0	2007	02	02	0027	BYBCST	other bybcst imd under by7bcst	VR2MX
14087.0	2007	02	03	0018	BYBCST	en espa~ol	VR2MX
14110.0	2007	02	06	1030	BY4BCST	CRI English pgm - ILLEGAL!	VR2MX
14187.0	2007	02	11	1039	INTRUDER	BY priate	VK2DAG
14200.0	2007	02	27	0659	PYOPIRATE	Fishing trawlers	ZS1Y
14238.0	2007	02	19	1013	INTRUDER	BY Priate on LSB	VK2DAG
14242.0	2007	02	10	2116	BYINTRUDER		KL1SE
14250.0	2007	02	02	0154	P5BCST	now stronger than 14280	VR2MX
14250.0	2007	02	02	0412	P5BCST		VR2MX
14250.0	2007	02	02	2328	P5BCST	not on 280 or 000 at moment	VR2MX
14250.0	2007	02	03	0016	P5BCST	and 14280	VR2MX
14250.0	2007	02	06	0610	P5BCST		VR2MX
14250.0	2007	02	09	0006	P5BCST	weak	VR2MX
14250.0	2007	02	16	0007	P5BCST	also 14280, 14000	VR2MX
14250.0	2007	02	20	0030	P5BCST2	VoKor diff pgm	VR2MX
14250.0	2007	02	22	0030	P5BCST	and 14280	VR2MX
14250.0	2007	02	22	2329	P5BCST	nothing on 280 or 000	VR2MX
14250.0	2007	02	23	0019	P5BCST		VR2MX
14250.0	2007	02	25	0022	P5BCST		VR2MX
14250.0	2007	02	25	0121	P5BCST		VR2MX
14250.0	2007	02	27	2317	P5BCST	VoKor music, nothing on 280/00	VR2MX
14250.0	2007	02	28	0056	P5BCST2	VoKor S9, QTE 30 or so	VR2MX
14250.0	2007	02	28	0337	P5BCST	weaker now	VR2MX
14250.0	2007	02	28	2342	P5BCST	VoKor, music, kor or chn singi	VR2MX
14250.0	2007	02	28	2344	VR2MX	stop stop stop with that spot	W5ZPA
14250.0	2007	02	28	2346	P5BCST	can't hear in VE1 ({	VE1AL
14250.0	2007	02	28	2351	P5BCST	Phony!	W3FQ
14266.2	2007	02	22	0632	INTRUDER	AM in French	SV3DCX
14280.0	2007	02	02	0023	P5BCST	stronger than 14250 this morn	VR2MX
14280.0	2007	02	20	0031	P5BCST3	VoKor another pgm	VR2MX
14280.0	2007	02	22	0034	P5BCST3	VoKor music, maybe same pgm 250	VR2MX
14280.0	2007	02	23	0020	P5BCST2	now hrd	VR2MX
14280.0	2007	02	25	0022	P5BCST2		VR2MX
14280.0	2007	02	25	0122	P5BCST2		VR2MX
14280.0	2007	02	28	0057	P5BCST3	VoKor peaking over S9	VR2MX
14280.0	2007	02	28	0337	P5BCST	louder now	VR2MX
14280.0	2007	02	28	2358	P5BCST2	VoKor 2nd cxr just s/on	VR2MX
18105.0	2007	02	16	1432	YB0PIRATE?	SSB	ZS1Y
18107.0	2007	02	16	1433	YB0PIRATE?	SSB	ZS1Y
18125.0	2007	02	04	0820	INTRUDER?	Portuguese? fishing trawler	ZS1Y
18125.0	2007	02	09	0800	RADAR	- 18165	IK1YDB
18140.0	2007	02	16	1035	INTRUDERS		F6EXV
18142.0	2007	02	09	0804	OTHRADAR		OH5CH
18148.7	2007	02	02	1406	YB0PIRATE?	LSB...	ZS1Y
21000.1	2007	02	08	1123	ZC4RADAR	to 21056	VR2MX
21003.0	2007	02	01	1249	BY7DIGI	3f of 7001	VR2MX
21003.0	2007	02	02	0024	BY7DIGI	3f of 7001	VR2MX
21003.0	2007	02	02	2329	BY7DIGI	3f of 7001	VR2MX
21003.0	2007	02	03	0053	BY7DIGI	3f 7001, band totally dead	VR2MX
21003.0	2007	02	06	1201	BY7DIGI	3f 7001, lost btm 6 kc of band	VR2MX
21003.0	2007	02	06	1334	BY7DIGI	3f 7001	VR2MX
21003.0	2007	02	28	0055	BY7DIGI	3f 7001	VR2MX
21015.0	2007	02	28	0005	P5BCST3	also hr	VR2MX
21015.0	2007	02	28	0005	VR2MX	North Korean Alarms	W3UR
21015.0	2007	02	28	0048	W3UR	pse no false spots	VR2MX

21015.0	2007	02	28	0049	VR2MX	including P5 whatever BCI	W3UR
21015.0	2007	02	28	0338	P5BCST	and 21080	VR2MX
21078.0	2007	02	11	0634	ZC4RADAR	to 21110	VR2MX
21080.0	2007	02	28	0005	P5BCST4	VoKor also hr	VR2MX
21080.0	2007	02	28	0006	VR2MX	setting off Alarms P5	W3UR
21080.0	2007	02	28	0048	W3UR	pse no false spots	VR2MX
21080.0	2007	02	28	0049	VR2MX	I agree no more false spots -	W3UR
21090.0	2007	02	11	0654	RADAR	+-	DO2WO
21330.0	2007	02	10	1235	RADAR	OHR RADAR INTRUDER	VK2DAG
21420.0	2007	02	28	0002	P5BCST	VoKor pgm just started	VR2MX
21420.0	2007	02	28	0340	P5BCST2	and 21445 two diff pgms, weake	VR2MX
21420.0	2007	02	28	0342	P5BCST	Is this DX or SWL stuff?	W4NW
21445.0	2007	02	28	0002	P5BCST	VoKor pgm just started	VR2MX
24897.0	2007	02	12	1629	USB	intruders ..over s9	IT9INO
24897.0	2007	02	12	1636	USB	intruders here also S9	DK5WL
24897.0	2007	02	12	1641	MAYBE	turkish	IT9INO
24910.0	2007	02	09	0945	BYBCST	and 920 30 40 50 65 70 80 85!	VR2MX
24946.8	2007	02	14	0337	PIRATES	brazilian trucker - rogger bee	PY2BRZ
24950.0	2007	02	09	1856	PIRAT	Brasilian truck divers - Sory.	PU1CCC
24955.0	2007	02	09	1858	PIRAT	Brasilian truck divers - Sory.	PU1CCC
28215.0	2007	02	09	2057	PIRAT?	They Listem, but no respond	PU1CCC