



**INTERNATIONAL AMATEUR RADIO UNION**  
**REGION 3**  
**MONITORING SYSTEM REPORT**



November, 2006

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All reporters to the Monitoring Systems/Intruder Watch Group please take some more time to give as many details as possible of the intruding stations, to make every report in the required format. This helps in statistical compilation.

Frequencies in kHz, please (without leading zeros below 10 MHz). Where possible, **please include bandwidth for signals like OTHR** or anything wider than typical modes (say 0.5 kHz for A1A/A1B, 3 kHz for J3E & 6 kHz for A3E). Frequency **indicated should be centre for wider signals**; BW is total bandwidth (also in kHz). Again, the idea is to show just how much is being lost (the spectral dimension of the intruder problem).

You do not need to fill in the time column, only GMT (format HH:MM). The time column is for more detailed time info, in format like <0123> (heard at 01:23, already present then & still there afterwards), 0123> (started at 01:23 & continued on from there) or 0123-1234 (started at 01:23 & finished at 12:34). For reports of persistent intruders such as OTHR, **inclusion of start & stop times helps show just how much is being lost** (the temporal dimension of the intruder problem).

For the emission column, there is no provision in the ITU's system for classification (Appendix 1 of ITU-RR) of USB or LSB for J3E mode, so /U & /L are appended, respectively. The appropriate designation for current OTHRs heard is PXX. For other signals like the CHN 160m "noise" the appropriate designation is XXX (the word "jammer" in the description column would then clarify what was meant in the emission column). Please list each mode heard, where the same intruder station uses more than one mode, separately.

A3E mode loggings in particular should include the following: a) language used, if identified b) bandwidth of the signal if it is the fundamental c) if it is a harmonic or spurious emission, kindly try identifying the fundamental frequency/frequencies d) "sign-on" and "sign-off" timings or "fade-in" and "fade-off" may also be reported e) identification of the station if possible f) ITU country code & g) bearing (QTE) to the signal wherever possible.

Template files for reports are available in text format (for use with a text editor or word processor – if saved as text) & as a spreadsheet (Microsoft Excel) by request via e-mail to vr2bg (at) harts (dot) org (dot) hk.

Included this month is Appendix 3 from Section 9 of ITU-R Recommendation SM.1413 (2001), listing the ITU codes – not just for member states, but also those for geographical areas the ITU felt needed designating that is more inclusive & appropriate for our work. The current list can be found on-line at:

[http://www.itu.int/cgi-bin/htsh/mm/scripts/mm.list?\\_search=ITUstates&\\_territories=Y](http://www.itu.int/cgi-bin/htsh/mm/scripts/mm.list?_search=ITUstates&_territories=Y)

This month's contributors:

ARSI: VU2UR

JARL: JA2ANM, JA2CNT, JA2PSV, JA2WO, JI2GPM, JA0AD

NZART: ZL1BYA

kHz	BW	YYYY	MM	DD	GMT	Time	Emm	Bd	Sft	Hdg	ADM	ID	Description	Grid	Society
3560		2006	11	01	10:00		A3E				KRE	R Pyongyang	CHN/ENG/FRN/KOR voice/music, +161 more reports		JARL
3560		2006	11	DY		0900-2100	A3E				KRE	R Pyongyang	B.C. Stn		NZART
3591.5	64	2006	11	06		1111-	PXX				CHN	Unid	O.T.H.R.		NZART
3890		2006	11	16		1700-	A3E,XXX					Unid	B.C. and Jammers		NZART
7000		2006	11	11	09:57		PXX				CHN		OTHR, +1 more report		JARL
7000		2006	11	DY		HX24	J3E/U-L				INS	Unid	Indonesian C.B.		NZART
7000.0		2006	11	DY		<1130>	J3EU				INS	UNID	PIRATES IN HIGHER FREQS.	MK82	ARSI
7000.1		2006	11	21		<0208>	J3EU				CLN	UNID	SRI LANKAN FISHING TRAWLERS.	MK82	ARSI
7002.0		2006	11	30		<0214>	J3EU					UNID	CHINESE FISHING TRAWLER	MK82	ARSI
7004.0		2006	11	28		<0220>	J3EU				CLN	UNID	SRI LANKAN FISHING TRAWLERS	MK82	ARSI
7004.5	9	2006	11	14		0930-	PXX				CHN	Unid	O.T.H.R.		NZART
7005.1		2006	11	17		<0150>	J3EU				CLN	UNID	SRI LANKAN FISHING TRAWLERS	MK82	ARSI
7005.2		2006	11	27		<0227>	J3EU				CLN	UNID	SRI LANKAN FISHING TRAWLERS	MK82	ARSI
7006.5		2006	11	19		<0207>	J3EU				CLN	UNID	SRI LANKAN FISHING TRAWLERS	MK82	ARSI
7006.6		2006	11	25		<0235>	J3EU				CLN	UNID	SRI LANKAN FISHING TRAWLERS	MK82	ARSI
7009.0		2006	11	29		<0222>	J3EU				CLN	UNID	SRI LANKAN FISHING TRAWLERS	MK82	ARSI
7009.1		2006	11	20		<0230>	J3EU				CLN	UNID	SRI LANKAN FISHING TRAWLERS	MK82	ARSI
7009.5	19	2006	11	22		1020	PXX				CHN	Unid	O.T.H.R.		NZART
7010		2006	11	11	19:48		PXX				CHN		OTHR		JARL
7010.6		2006	11	21		<0215>	J3EU				CLN	UNID	SRI LANKAN FISHING TRAWLERS	MK82	ARSI
7010.8		2006	11	19		<0148>	J3EU				CLN	UNID	SRI LANKAN FISHING TRAWLERS	MK82	ARSI
7011		2006	11	15	09:31		PXX				CHN		OTHR		JARL
7011.1		2006	11	16		<0228>	J3EU				CLN	UNID	SRI LANKAN FISHING TRAWLERS	MK82	ARSI
7011.2		2006	11	18		<0145>	J3EU				CLN	UNID	SRI LANKAN FISHING TRAWLERS	MK82	ARSI
7011.2		2006	11	23		<0245>	J3EU				CLN	UNID	SRI LANKAN FISHING TRAWLERS	MK82	ARSI
7011.2		2006	11	24		<0235>	J3EU				CLN	UNID	SRI LANKAN FISHING TRAWLERS	MK82	ARSI
7011.2		2006	11	27		<0245>	J3EU				CLN	UNID	SRI LANKAN FISHING TRAWLERS	MK82	ARSI
7014	38	2006	11	08		/-1017/	PXX				CHN	Unid	O.T.H.R. 43 Hz.		NZART
7015.0		2006	11	19		<0145>	J3EU				CLN	UNID	SRI LANKAN FISHING TRAWLERS	MK82	ARSI
7017.1		2006	11	21		<0225>	J3EU				CLN	UNID	SRI LANKAN FISHING TRAWLERS	MK82	ARSI
7018		2006	11	04		/1020-1120/	F1B				RUS	REA4	Ry's		NZART
7018		2006	11	24	20:08		F1B								JARL
7018		2006	11	DY		1725-2100	F1B				RUS	REA4	Idle only, I.D. in F1A at Hr+40 min.		NZART
7019		2006	11	21	14:08		F1B						+1 more report		JARL
7019.3		2006	11	05		1015	PXX				CHN	Unid	O.T.H.R. in groups of 3 at 21.5 Hz and spaced at 43.1 Hz apart.		NZART
7019.3		2006	11	09		1110	F1B	200	50			Unid	Ry's		NZART
7019.4		2006	11	23		/1025-1043/	F1B	950	50			Unid	Ry's		NZART
7020		2006	11	24	14:06		F1B						+6 more reports		JARL
7021.6		2006	11	19		<0225>	J3EU				CLN	UNID	SRI LANKAN FISHING TRAWLERS	MK82	ARSI
7022.8		2006	11	24		<0236>	J3EU				CLN	UNID	SRI LANKAN FISHING TRAWLERS	MK82	ARSI
7023		2006	11	03	21:29		PXX				CHN		OTHR		JARL
7024.3		2006	11	27		<0225>	J3EU					UNID	CHINESE FISHING TRAWLER	MK82	ARSI
7024.5		2006	11	29		<0221>	J3EU					UNID	SOUTH EAST ASIAN STNS IN QSO	MK82	ARSI
7029		2006	11	02	01:59		J3E/L						Other, +1 more report		JARL
7030		2006	11	12	10:35		PXX				CHN				JARL
7032.5		2006	11	09	01:28		J3E/L						Other		JARL

kHz	BW	YYYY	MM	DD	GMT	Time	Emm	Bd	Sft	Hdg	ADM	ID	Description	Grid	Society
7036.5	73	2006	11	06		1111-	PXX				CHN	Unid	O.T.H.R. 43 Hz.		NZART
7036.6	73	2006	11	15		1030-	PXX				CHN	Unid	O.T.H.R.		NZART
7037		2006	11	11	11:41		PXX				CHN		OTHR		JARL
7038		2006	11	20	14:06		PXX				CHN		+3 more reports		JARL
7038	76	2006	11	18		1010-1110	PXX				CHN	Unid	O.T.H.R.		NZART
7038.0		2006	11	DY		<0030>	A1A				RUS	C	SINGLE LETTER BEACON	MK82	ARSI
7039		2006	11	01	05:10		A1A				RUS	F, M	Beacons, +136 more reports		JARL
7039		2006	11	01	05:10		A1A				RUS	D	Beacon in UKR, +136 more reports		JARL
7039		2006	11	DY		H24	A1A				RUS	M,C,S,F,K	Beacons		NZART
7039		2006	11	DY		H24	A1A				RUS	D	Beacon in UKR		NZART
7040		2006	11	06	20:00		A1A				RUS	F, M	Beacons, +9 more reports		JARL
7041		2006	11	21	16:04		PXX				CHN		+5 more reports		JARL
7042		2006	11	11	10:06		PXX				CHN				JARL
7042.5	66	2006	11	09		?1017-1105/	PXX				CHN	Unid	O.T.H.R. groups of 3 21 Hz pulses spaced 43Hz apart		NZART
7043		2006	11	13	18:08		A1A				CHN	L9CC	+1 more report		JARL
7044		2006	11	05		/1046-1151/	F1B	200	50			Unid	Ry's		NZART
7044		2006	11	06		1110-	F1B	200	50			Unid	Ry's		NZART
7044		2006	11	06	20:05		F1B						+4 more reports		JARL
7044		2006	11	09		/1117-1125	F1B	200	50			Unid	Ry's, transmission kept breaking.		NZART
7044		2006	11	DY		1700-1915	F1B					Unid	Idle only		NZART
7045		2006	11	09	14:10		F1B						Idle, +83 more reports		JARL
7045	63	2006	11	01		/0946-1145/	PXX				CHN	Unid	O.T.H.R.		NZART
7045	90	2006	11	17		1023-	PXX				CHN	Unid	O.T.H.R.		NZART
7045.6		2006	11	09		1125	F7D					Unid	4 channels of data		NZART
7045.6		2006	11	22		1100-	F1B	200	50			Unid	Ry's		NZART
7045.7		2006	11	03		1145-	F1B	200	50			unid	Encrypted.		NZART
7045.8		2006	11	20		1125-	F1B	50	50			Unid	Ry's		NZART
7046		2006	11	11	18:06		F1B						Idle		JARL
7048		2006	11	23	14:01		A1A					E	+1 more reports		JARL
7048	59	2006	11	20		1028-1048	PXX				CHN	Unid	O.T.H.R.		NZART
7050	60	2006	11	DY		1830-2130	PXX				CHN	Unid	O.T.H.R. 60kHz wide, center frequency varies		NZART
7050.0		2006	11	DY		0220-	NON				IND	AIR-TRVM	5 SPURIOUS SIGS,VARYING DAILY	MK82	ARSI
7052	57	2006	11	13		1030-	PXX				CHN	Unid	O.T.H.R.		NZART
7053.5	46	2006	11	16		1127-	PXX				CHN	Unid	O.T.H.R.		NZART
7054	61	2006	11	16		/1111-1115/	PXX				CHN	Unid	O.T.H.R. a very short burst.		NZART
7054.5	68	2006	11	07		/0955-1015/	PXX				CHN	Unid	O.T.H.R.		NZART
7055		2006	11	12	11:00		PXX				CHN		OTHR		JARL
7056		2006	11	11		0700-	F1B	250				Unid	Idle only		NZART
7056		2006	11	12		1035-	PXX				CHN	Unid	O.T.H.R.		NZART
7056.5	68	2006	11	05		/1047-1055/	PXX				CHN	Unid	O.T.H.R.		NZART
7058		2006	11	11	10:08		PXX				CHN				JARL
7060		2006	11	18	18:08		A1A				CHN	L9CC			JARL
7060	53	2006	11	16		/0954-1000/	PXX				CHN	Unid	O.T.H.R.		NZART
7062.6		2006	11	24		<0238>	J3EU				CLN	UNID	SRI LANKAN FISHING TRAWLERS	MK82	ARSI
7063	63	2006	11	14		1119-	PXX				CHN	Unid	O.T.H.R.		NZART
7065.0	2	2006	11	18		<0135>	A3E				IND	AIR-PUNE	AIR PUNE MARATHI SPURIOUS	MK82	ARSI

kHz	BW	YYYY	MM	DD	GMT	Time	Emm	Bd	Sft	Hdg	ADM	ID	Description	Grid	Society
7065.0	2	2006	11	19		<0135>	A3E				IND	AIR-PUNE	AIR PUNE MARATHI SPURIOUS	MK82	ARSI
7065.0	2	2006	11	20		<0215>	A3E				IND	AIR-PUNE	AIR PUNE MARATHI SPURIOUS	MK82	ARSI
7065.0	2	2006	11	21		<0200>	A3E				IND	AIR-PUNE	AIR PUNE MARATHI SPURIOUS	MK82	ARSI
7065.0	3	2006	11	17		<0135>	A3E				IND	AIR-PUNE	AIR PUNE MARATHI SPURIOUS	MK82	ARSI
7070		2006	11	02	13:21		PXX				CHN		OTHR		JARL
7071.5	84	2006	11	30		/1025-1042/	PXX				CHN	Unid	O.T.H.R.		NZART
7072.0		2006	11	30		<0217>	J3EU				CLN	UNID	SRI LANKAN FISHING TRAWLERS	MK82	ARSI
7073		2006	11	04		/1020-1120/	A3E					Unid	Asian female singing with music, not B.C.stn		NZART
7073		2006	11	11	10:10		PXX				CHN		+1 more report		JARL
7073	85	2006	11	30		-1056-1200?	PXX				CHN	Unid	O.T.H.R. changed from 43Hz to 21.5Hz		NZART
7074		2006	11	16	11:22		F1B								JARL
7074	87	2006	11	30		/1045-	PXX				CHN	Unid	O.T.H.R.		NZART
7075		2006	11	16	12:04		PXX				CHN		OTHR		JARL
7075.0		2006	11	26		<0215>	J3EU				CLN	UNID	SRI LANKAN FISHING TRAWLERS	MK82	ARSI
7081		2006	11	19	16:06		XXX						Jammer		JARL
7084.5	62	2006	11	30		-1218	PXX				CHN	Unid	O.T.H.R. changed back to 21.5Hz		NZART
7084.5	62	2006	11	30		/1200-	PXX				CHN	Unid	O.T.H.R. changed back to 43Hz.		NZART
7085.0	2	2006	11	22		<0140>	A3E				IND	AIR	AIR EXT.SERVICE SINDHI SPURIOUS	MK82	ARSI
7085.0	2	2006	11	22		<0215>	A3E				IND	AIR	AIR EXT.SERVICE PASHTO SPURIOUS	MK82	ARSI
7085.5		2006	11	14		1115-	F1B	200	40.5			Unid	Encrypted.		NZART
7088		2006	11	11	10:12		PXX				CHN				JARL
7088.0	5	2006	11	17		<0235>	XXX					UNID	STRONG MULTI-MODE SIGNAL	MK82	ARSI
7098		2006	11	23	04:32		J3E/L						Other, +2 more reports		JARL
7100	2006	11	01	18:00		A3E					KRE	R Pyongyang	ENG/FRN/KOR voice/music, +52 more reports		JARL
7100		2006	11	DY		1700-1900	A3E					Unid	B.C. stn		NZART
7100.0		2006	11	19		1300-1500	A3E				USA	WYFR	ENGLISH B/C TO INDIA	MK82	ARSI
7100.0		2006	11	20		1500-1600	A3E				USA	WYFR	HINDI SERVICE TO INDIA	MK82	ARSI
7100.0		2006	11	26		1300-1500	A3E				USA	WYFR	ENGLISH B/C TO INDIA	MK82	ARSI
7100.0		2006	11	DY		1400-	A3E				ERI	VoBM	VoBM DOMESTIC B/C	MK82	ARSI
7130.0		2006	11	DY		<1400>	A3E				CHN		HAINAN-GONG MUSIC	MK82	ARSI
7185.0		2006	11	DY		<1400>	A3E				CHN		HAINAN-GONG MUSIC	MK82	ARSI
14000		2006	11	DY		HX24	J3E/U-L				INS	Unid	Indonesian C.B.		NZART
14003		2006	11	17		0800-	F7D					Unid	8x250Hz channels.		NZART
14030		2006	11	01	21:17		A3E						Other, +13 more reports		JARL
14050		2006	11	17		0800-0830	F1B	250				Unid	Encrypted.		NZART
14080	2006	11	09	07:24		XXX							Jammer, +1 more report		JARL
14082	2006	11	07	06:50		XXX							Jammer, +1 more report		JARL
14086		2006	11	10		0710-	M7B					Unid	Multi-channel, phase modulated.		NZART
14090		2006	11	05	21:32		A3E						Other, +11 more reports		JARL
14100		2006	11	DY		HX24	J3E/U-L				INS	Unid	Indonesian C.B.		NZART
14119		2006	11	09		/0940-1015/	F1B	250	68			Unid	Ry,s, faded out.		NZART
14119.5		2006	11	07		0910-	F1B	225	81			Unid	Encrypted.		NZART
14120		2006	11	10		0705-	F1B	250				Unid	Idle only.		NZART
14122		2006	11	03	21:35		PXX						OTHR		JARL
14150		2006	11	17	20:54		A3E						Other, +6 more reports		JARL
14152		2006	11	01	21:17		A3E						Other, +1 more report		JARL

kHz	BW	YYYY	MM	DD	GMT	Time	Emm	Bd	Sft	Hdg	ADM	ID	Description	Grid	Society
14153		2006	11	05	21:33		A3E						Other, +4 more reports		JARL
14160		2006	11	17		0750-	M7B					Unid	16 channels, phase modulated.		NZART
14184		2006	11	01	21:17		A3E						Other, +1 more report		JARL
14213		2006	11	05	21:34		A3E						Other, +4 more reports		JARL
14214		2006	11	01	21:17		A3E						Other, +8 more reports		JARL
14227.5		2006	11	15		0810-	F1B	250				Unid	Idle only.		NZART
14240		2006	11	06		0735-	F1B	250				Unid	Encrypted.		NZART
14250		2006	11	DY		0400-0900	A3E				KRE	R Pyongyang	B.C. stn.		NZART
14274		2006	11	01	21:17		A3E						Other, +9 more reports		JARL
14276		2006	11	05	21:35		A3E						Other		JARL
14280		2006	11	DY		0830	A3E					Unid	2f 7140kHz.		NZART
14334		2006	11	01	21:17		A3E						Other, +8 more reports		JARL
14335		2006	11	05	21:35		A3E						Other, +3 more reports		JARL
18103		2006	11	09	07:26		XXX						Jammer		JARL
18104		2006	11	03	05:10		XXX						Jammer		JARL
18105		2006	11	21	06:44		XXX						Jammer, +1 more report		JARL
21112.5		2006	11	02	02:03		J3E/U						Other		JARL
21138		2006	11	30	05:26		PXX								JARL
21222.5		2006	11	09	01:30		J3E/U						Other		JARL
21292.5		2006	11	02	02:04		J3E/U						Other		JARL
21345		2006	11	02	02:05		J3E/U						Other, +1 more report		JARL
24950	10	2006	11	DY		H24	PXX				CHN	Unid	Codar sea state radar.		NZART
28000		2006	11	DY		HX24	A3E,F3E					Unid	Chinese C.B. every 5 kHz.		NZART

kHz	YYYY	MM	DD	GMT	Call	Comment	Spotter
1800.0	2006	11	25	09:43	JAMMER	s9 30db	JA7NI
1800.0	2006	11	25	10:56	BY7JAMMER	nothing can copy	JF7DZA
1801.0	2006	11	18	10:34	JAMMER	Asia S5	W8JI
1812.0	2006	11	10	08:30	BYJAMMER	0823z Stop.	JA3GN
1812.0	2006	11	25	13:21	BA4DW	jamm stop now let try 160	JH2UVL
1813.0	2006	11	21	01:59	HK0GU	pse qsy 200 kc up OHR on yuor	OH3SR
1817.0	2006	11	07	12:12	W8UVZ	fb no jamming	JA7NI
1820.5	2006	11	07	17:16	JA7NI	cq no jammer	JA7NI
1821.0	2006	11	18	20:12	5A7A	today jamming in JA	JA1HGY
1821.1	2006	11	18	18:56	5A7A	strong as Chaineese jamming	JF7DZA
1821.2	2006	11	18	19:50	5A7A	audible through jamming	JF7DZA
1822.2	2006	11	02	18:41	RA3DOX	good sig. no-dragon jamming t	JA4DND
1822.5	2006	11	16	17:04	JD1BME	cq now stop jamming	JH2FXK
1823.0	2006	11	08	19:10	BD9BA	fb no jammer	JA7NI
1824.0	2006	11	23	11:22	HC8N	Jammer but 589 hr	JA8ISU
1824.0	2006	11	24	10:11	WP2AIU	now QRM from BY RADAR	RU0LL
1824.0	2006	11	24	10:14	WP2AIU	no cpy at all.Jam is 58 wid Be	JF7DZA
1828.5	2006	11	06	10:55	DR0GON	BY's at it again, jamming	YB5AQB
1828.5	2006	11	06	20:05	DR0GON	BY7 boys jamming well today	YB5AQB
1832.5	2006	11	05	20:40	DR0GON	Chinese jammer here - maybe la	YB5AQB
1832.5	2006	11	05	21:21	YC0LOW	BY Jammer bad today Jo GM	YB5AQB
1850.0	2006	11	29	21:40	8Q7DV	... under BYradar, s4	UA0DC
3500.0	2006	11	14	13:33	RA1OPS	usb china ops from radar facil	W6UC
3500.0	2006	11	23	10:27	JAMING	VY HVY JAMMING HERE	JH1ROJ
3500.0	2006	11	23	15:48	JAMMER	CW Band. Getting ready for the	N7UA
3500.0	2006	11	23	16:24	JAMMER	Just turned off.Considerate	N7UA
3500.0	2006	11	25	15:14	RADAR	or wideband jamming	W6RJ
3500.1	2006	11	23	17:58	BY7RADAR	to 3560, s9!	VR2MX
3502.0	2006	11	28	17:14	5A7A	No copy in JA by jamming	JA1MSS
3525.0	2006	11	22	21:38	PY2XB	hard to copy HVY JAMMING	JA0RUG
3600.0	2006	11	19	23:48	BY7RADAR	to3695	VR2MX
3620.0	2006	11	08	09:05	BY7RADAR	to 3722	VR2MX
3620.0	2006	11	10	09:37	BY7RADAR	to 3690 and 3704 to 3773	VR2MX
3649.0	2006	11	07	09:30	BY7RADAR	to 3714	VR2MX
3705.0	2006	11	02	01:55	BY7RADAR	to 3750	VR2MX
3715.0	2006	11	20	01:15	BY7RADAR	to 3795	VR2MX
3721.0	2006	11	02	03:01	BY7RADAR	to 3758	VR2MX
3755.0	2006	11	14	03:17	BY7RADAR	to 3813	VR2MX
3786.9	2006	11	21	18:41	5A7A	no-copy hvy jamming pse anothe	JA4DND
3789.0	2006	11	18	13:40	W7LOU	bob kickin da radars butt	W6UC
3789.0	2006	11	18	14:49	RA1DAR	radar running amuck thanks qso	W6UC
3790.0	2006	11	23	19:40	5A7A	no-copy by jamming pse 3785	JA4DND
3793.0	2006	11	17	13:19	JA3CZY	Lost Elvin to the radar	W7CE
3797.0	2006	11	08	10:55	BY7RADAR	to 3898	VR2MX
3798.2	2006	11	15	18:36	PA0GMW	qrm jamming	JA4DND
3799.0	2006	11	05	13:11	6K5DUV	raging against the radar	W6UC
3799.0	2006	11	06	11:13	JA3CZY	radar there goes the band elvi	W6ANR
3799.0	2006	11	17	12:57	RA1DAR	Loudest ever heard in AZ	N7MAL
3799.0	2006	11	17	13:00	RA1DAR	RADAR IS FROM CANADA TODAY	W6UC
3799.1	2006	11	02	18:59	JW5NM	dragon jamming . no-copy today	JA4DND
3799.4	2006	11	06	11:46	N2RK	LOUD BUT UNDER RADAR	VK3EW
3800.0	2006	11	07	19:15	JAMMING	start no-cpy any sig	JA4DND
3800.0	2006	11	09	18:21	DL2LZ	band is noisy ,Dragon jamming	JA4DND
3800.0	2006	11	17	12:50	RA1DAR	30 over radar in pacific	W6UC
3800.0	2006	11	18	11:15	RA1DAR	also radar in band	W6UC
3836.0	2006	11	02	10:00	BY7RADAR	to 3903	VR2MX
7000.0	2006	11	08	09:13	BY7RADAR	=30db over S9	BV7II
7000.0	2006	11	09	10:01	BY7RADAR	to 7100	VR2MX
7000.0	2006	11	09	10:04	BY7RADAR	=30db QRM	BV7II
7000.0	2006	11	24	12:34	RADAR	OTH RADAR 59++ in WA	K7EK

7000.0	2006	11	29	12:06	RA0DER	Radar all over 40m	VK2APH
7000.0	2006	11	29	13:48	BY7JAMMING	China loves jamming things up	JH1GNU
7000.1	2006	11	01	10:02	BY7RADAR	6900 to over 7100, pegs meter!	VR2MX
7000.1	2006	11	02	23:01	BY7RADAR	6955 to 7065	VR2MX
7000.1	2006	11	06	12:22	BY7RADAR	to 7017, 7028 to 7090	VR2MX
7000.1	2006	11	07	09:30	BY7RADAR	to 7010, starts at 6900	VR2MX
7000.1	2006	11	08	09:04	BY7RADAR	to 7090	VR2MX
7000.1	2006	11	08	10:54	BY7RADAR	to 7041	VR2MX
7000.1	2006	11	09	10:03	BY7RADAR	to 7100 pegging meter	VR2MX
7000.1	2006	11	10	09:35	BY7RADAR	to 7065	VR2MX
7000.1	2006	11	11	12:10	BY7RADAR	to 7034 for past hour	VR2MX
7000.1	2006	11	12	09:39	BY7RADAR	to 7100	VR2MX
7000.1	2006	11	12	13:12	BY7RADAR	to 7055	VR2MX
7000.1	2006	11	14	03:15	BY7RADAR	to 7050	VR2MX
7000.1	2006	11	14	09:40	BY7RADAR	to 7090	VR2MX
7000.1	2006	11	15	08:37	BY7RADAR	to 7100	VR2MX
7000.1	2006	11	15	10:31	BY7RADAR	to 7075	VR2MX
7000.1	2006	11	18	23:44	BY7RADAR	to 7085, 40 over hr	VR2MX
7000.1	2006	11	19	23:47	BY7RADAR	to 7100 plus	VR2MX
7000.1	2006	11	20	01:13	BY7RADAR	to 7100 plus still going	VR2MX
7000.1	2006	11	24	08:56	BY7RADAR	to 7082	VR2MX
7000.1	2006	11	24	08:56	BY7RADAR	to 7082	VR2MX
7004.0	2006	11	06	16:56	0THR	CW band now wiped out by RADAR	9M6XRO
7005.0	2006	11	06	10:46	E51PEN	but radar s9 plus 10	VK6DU
7005.0	2006	11	06	10:52	E51PEN	TU BY Radar, good jamming	YB5AQB
7005.0	2006	11	06	10:52	E51PEN	TU BY Radar, good jamming	YB5AQB
7005.0	2006	11	29	13:26	6K5VRQ	Louder Than RADAR!!	AD5HR
7006.5	2006	11	28	07:36	DJ6ZM	cq 579 but hard jam	JA2FTL
7006.6	2006	11	16	19:49	L9CC	calling CP17, intruder?	HB9CIC
7007.0	2006	11	29	12:00	J79Z	waiting for radar malfunction	VK6DU
7008.8	2006	11	23	11:19	J79Z	stupid radar S9 here	VK6DU
7009.0	2006	11	24	09:56	BY7RADAR	to 7080	VR2MX
7010.0	2006	11	15	23:26	BY7RADAR	to 7070	VR2MX
7010.5	2006	11	27	18:47	4X4MU	blocked by jamming	JJ1BDX
7012.0	2006	11	23	08:33	PJ2/K8ND	599 QRM RADAR 73	F8BDX
7013.0	2006	11	07	15:34	G3FPQ	Cq Less radar QRM up hr	KI7VR
7014.0	2006	11	07	11:00	BY7RADAR	to 7082	VR2MX
7014.0	2006	11	07	11:51	BY7RADAR	to 7090	VR2MX
7015.0	2006	11	30	23:11	BY7RADAR	vy loud so cw band down	HL3IB
7018.0	2006	11	03	11:41	REA4	intruder, FSK idles & 5fig'grp	DL8AAM
7019.0	2006	11	29	11:01	PJ2/K8ND	QRM from obselete OHradar sys	VK6DU
7028.0	2006	11	29	10:46	PP5IJ	silly radar 10 over 9 QRM	VK6DU
7035.1	2006	11	29	11:55	OK1AEG	Sorry high QRM /Radar	DF5LR
7040.0	2006	11	16	12:41	BY7RADAR	daily fixture on 40M	NT5C
7046.9	2006	11	19	19:31	YI9KT	Richard CQ agn,Jammer	JA8BMK
7057.7	2006	11	17	18:33	L9CC	CW; Intruder:Chinese Navy	DL8AAM
7067.4	2006	11	25	17:31	L9CC	CQ WW CW	RU3BU
7067.4	2006	11	25	17:38	L9CC		RL3A
7072.0	2006	11	14	23:23	HS0ZEE	OTHR %2b60 ALL BANDS	HS0ZEE
7072.1	2006	11	17	20:17	EA5BRE	Luis 57 w/jammer	JA8BMK
10100.1	2006	11	07	09:28	RADAR	to 10150 hainan? new band!	VR2MX
10100.1	2006	11	10	08:32	E51PDX	pse qsy down, to match radar Q	DJ4PI
10100.1	2006	11	19	00:36	BY7RADAR	to 10150, strongest 132 to 196	VR2MX
10100.1	2006	11	21	02:37	BY7RADAR	codar sweep 10.1-10.2 50 over!	VR2MX
10107.0	2006	11	04	10:59	XF4DL	Chinese jammer but wrkd up1	YB5AQB
10110.0	2006	11	18	11:08	RA1DAR	radar burst n puls	W6UC
10110.1	2006	11	10	08:12	E51PDX	up 1,5 thru the Radar QRM 559	DL2RNS
10110.1	2006	11	10	08:31	E51PDX	pse qsy 5 dwn, 599 radar noise	SWL
10113.0	2006	11	23	11:51	WP2AIU	hvy jamming no-copy 10115 bew	JA4DND
14008.0	2006	11	07	07:59	3XD2Z	radar:-)	RA9MX
14050.0	2006	11	01	00:24	BY0BCST		VR2MX

14089.9	2006	11	14	09:08	INTRUDERS	IN PORTUGUESE	F6EXV
14110.0	2006	11	08	10:05	BY0BCST	id china radio intl, eng pgm	VR2MX
14280.0	2006	11	29	07:15	FEMALE	INTRUDER	DH7SA
14340.0	2006	11	03	17:06	F0BCST	French AM Broadcast here ? Que	ZS1Y
18090.0	2006	11	08	13:13	QRM	Radar 18071-18120 9+	U5WF
21015.0	2006	11	05	00:41	BY0BCST		VR2MX
21015.0	2006	11	14	03:01	P5BCST	just id voice of korea	VR2MX
21015.0	2006	11	20	01:20	P5BCST	and 080 420 and 445	VR2MX
21025.0	2006	11	18	11:12	4O6BH	on RADAR freq my side...	HA9SU
21420.0	2006	11	14	03:04	P5BCST	strong, same as 015	VR2MX
21420.0	2006	11	18	03:29	P5BCST	also 21015	VR2MX
21420.0	2006	11	21	01:39	P5BCST	also 445/080/015 only sigs hrd	VR2MX
21445.0	2006	11	14	03:07	BCST	loud, same as 080	VR2MX
21445.0	2006	11	14	03:14	P5BCST	id voice of korea, spanish	VR2MX
24890.1	2006	11	01	08:57	ZC4RADAR	24873-24916	VR2MX
24890.1	2006	11	01	09:39	ZC4RADAR	24874-24916 20-30 over!	VR2MX
24895.0	2006	11	01	08:39	S9QRM	Wideband OTH Radar S9=25 in Sa	9M6XRO
24900.0	2006	11	01	08:47	9M6XR0	Radar qrm also 59 in DL	DF9TF
24900.0	2006	11	07	09:35	BY0BCST	and 905 20 30 40 45 50 55 60!	VR2MX
24910.0	2006	11	04	00:16	P5BCST	or by0?	VR2MX
24915.0	2006	11	16	07:27	INTRUDER	lsb, also cpy in zs6	VR2MX
28004.0	2006	11	05	04:35	ZC4RADAR	to 28048, 10 over	VR2MX
28030.0	2006	11	05	05:08	0THR	OTH Radar S9/35db very wide	9M6XRO



### 9.3 Appendix 3: Codes Designating Geographical Areas

**Note:** The codes have a geographical significance only. The presence of any given code designating a country or a geographical area with respect to a frequency assignment to a station is without prejudice to any question of territorial status which may be involved.

Code	Radiocommunication Region	Notifying Administration	Name of the geographical area
AAA*	Shared throughout the world.		
AAB	Shared by several countries, but in a restricted area of the world.		
MMM	This code is used to indicate the use of the frequency assignment for inter-ship communications.		
MWM	This code is used to indicate either a coordination that is required, or one that has been obtained, on a worldwide basis.		
ABW	2	HOL	Aruba
AFG	3	AFG	Afghanistan (Islamic State of)
AFS	1	AFS	South Africa (Republic of)
AGL	1	AGL	Angola (Republic of)
AIA	2	G	Anguilla
ALB	1	ALB	Albania (Republic of)
ALG	1	ALG	Algeria (People's Democratic Republic of)
ALS	2	USA	Alaska (State of), United States of America
AMS	3	F	Saint Paul and Amsterdam Islands
AND	1	AND	Andorra (Principality of)
AOE	1	MRC**	Western Sahara
ARG	2	ARG	Argentine Republic
ARM	1	ARM	Armenia (Republic of)
ARS	1	ARS	Saudi Arabia (Kingdom of)
ASC	1	G	Ascension
ATA	Antarctica		
ATG	2	ATG	Antigua and Barbuda
ATN	2	HOL	Netherlands Antilles
AUS	3	AUS	Australia
AUT	1	AUT	Austria
AZE	1	AZE	Azerbaijani Republic
AZR	1	POR	Azores
B	2	B	Brazil (Federative Republic of)
BAH	2	BAH	Bahamas (Commonwealth of the)
BDI	1	BDI	Burundi (Republic of)
BEL	1	BEL	Belgium
BEN	1	BEN	Benin (Republic of)
BER	2	G	Bermuda
BFA	1	BFA	Burkina Faso
BGD	3	BGD	Bangladesh (People's Republic of)
BHR	1	BHR	Bahrain (State of)
BIH	1	BIH	Bosnia and Herzegovina (Republic of)
BIO	3	G	British Indian Ocean Territory
BLR	1	BLR	Belarus (Republic of)
BLZ	2	BLZ	Belize
BOL	2	BOL	Bolivia (Republic of)
BOT	1	BOT	Botswana (Republic of)

\* Used by all administrations

\*\* Under certain conditions

Code	Radiocommunication Region	Notifying Administration	Name of the geographical area
BRB	2	BRB	Barbados
BRM	3	BRM	Myanmar (Union of)
BRU	3	BRU	Brunei Darussalam
BTN	3	BTN	Bhutan (Kingdom of)
BUL	1	BUL	Bulgaria (Republic of)
CAF	1	CAF	Central African Republic
CAN	2	CAN	Canada
CAR	3	USA	Caroline Islands
CBG	3	CBG	Cambodia (Kingdom of)
CHL	2	CHL	Chile (except Easter Island)
CHN	3	CHN	China (People's Republic of)
CHR	3	AUS	Christmas Island (Indian Ocean)
CKH	3	NZL	Cook Islands
CLM	2	CLM	Colombia (Republic of)
CLN	3	CLN	Sri Lanka (Democratic Socialist Republic of)
CME	1	CME	Cameroon (Republic of)
CNR	1	E	Canary Islands
COD	1	COD	Congo (Democratic Republic of the)
COG	1	COG	Congo (Republic of the)
COM	1	COM	Comoros (Islamic Federal Republic of the)
CPV	1	CPV	Cape Verde (Republic of)
CRO	1	F	Crozet Archipelago
CTI	1	CTI	Côte d'Ivoire (Republic of)
CTR	2	CTR	Costa Rica
CUB	2	CUB	Cuba
CVA	1	CVA	Vatican City State
CYM	2	G	Cayman Islands
CYP	1	CYP	Cyprus (Republic of)
CZE	1	CZE	Czech Republic
D	1	D	Germany (Federal Republic of)
DGA	3	G	Diego Garcia
DJI	1	DJI	Djibouti (Republic of)
DMA	2	DMA	Dominica (Commonwealth of)
DNK	1	DNK	Denmark
DOM	2	DOM	Dominican Republic
E	1	E	Spain
EGY	1	EGY	Egypt (Arab Republic of)
EQA	2	EQA	Ecuador
ERI	1	ERI	Eritrea
EST	1	EST	Estonia (Republic of)
ETH	1	ETH	Ethiopia (Federal Democratic Republic of)
F	1	F	France
FIN	1	FIN	Finland
FJI	3	FJI	Fiji (Republic of)
FLK	2	G	Falkland Islands (Malvinas)
FSM	3	FSM	Micronesia (Federated States of)
G	1	G	United Kingdom of Great Britain and Northern Ireland
GAB	1	GAB	Gabonese Republic
GCA	1	G	Territories of the United Kingdom in Region 1
GCC	3	G	Territories of the United Kingdom in Region 3
GDL	2	F	Guadeloupe (French Department of)

Code	Radiocommunication Region	Notifying Administration	Name of the geographical area
GEO	1	GEO	Georgia
GHA	1	GHA	Ghana
GIB	1	G	Gibraltar
GMB	1	GMB	Gambia (Republic of the)
GNB	1	GNB	Guinea-Bissau (Republic of)
GNE	1	GNE	Equatorial Guinea (Republic of)
GRC	1	GRC	Greece
GRD	2	GRD	Grenada
GRL	2	DNK	Greenland
GTM	2	GTM	Guatemala (Republic of)
GUF	2	F	Guiana (French Department of)
GUI	1	GUI	Guinea (Republic of)
GUM	3	USA	Guam
GUY	2	GUY	Guyana
HKG	3	CHN	Hongkong
HND	2	HND	Honduras (Republic of)
HNG	1	HNG	Hungary (Republic of)
HOL	1	HOL	Netherlands (Kingdom of the)
HRV	1	HRV	Croatia (Republic of)
HTI	2	HTI	Haiti (Republic of)
HWA	3	USA	Hawaii (State of), United States of America
I	1	I	Italy
ICO	3	AUS	Cocos Keeling Islands
IND	3	IND	India (Republic of)
INS	3	INS	Indonesia (Republic of)
IRL	1	IRL	Ireland
IRN	3	IRN	Iran (Islamic Republic of)
IRQ	1	IRQ	Iraq (Republic of)
ISL	1	ISL	Iceland
ISR	1	ISR	Israel (State of)
J	3	J	Japan
JMC	2	JMC	Jamaica
JON	2	USA	Johnston Island
JOR	1	JOR	Jordan (Hashemite Kingdom of)
KAZ	1	KAZ	Kazakhstan (Republic of)
KEN	1	KEN	Kenya (Republic of)
KER	3	F	Kerguelen Islands
KGZ	1	KGZ	Kyrgyz Republic
KIR	3	KIR	Kiribati (Republic of)
KOR	3	KOR	Korea (Republic of)
KRE	3	KRE	Democratic People's Republic of Korea
KWT	1	KWT	Kuwait (State of)
LAO	3	LAO	Lao People's Democratic Republic
LBN	1	LBN	Lebanon
LBR	1	LBR	Liberia (Republic of)
LBY	1	LBY	Libya (Socialist People's Libyan Arab Jamahiriya)
LCA	2	LCA	Saint Lucia
LIE	1	LIE	Liechtenstein (Principality of)
LSO	1	LSO	Lesotho (Kingdom of)
LTU	1	LTU	Lithuania (Republic of)
LUX	1	LUX	Luxembourg

Code	Radiocommunication Region	Notifying Administration	Name of the geographical area
LVA	1	LVA	Latvia (Republic of)
MAC	3	POR	Macao
MAU	1	MAU	Mauritius (Republic of)
MCO	1	MCO	Monaco (Principality of)
MDA	1	MDA	Moldova (Republic of)
MDG	1	MDG	Madagascar (Republic of)
MDR	1	POR	Madeira
MDW	2	USA	Midway Islands
MEX	2	MEX	Mexico
MHL	3	USA	Marshall Islands (Republic of the)
MKD	1	MKD	The former Yugoslav Republic of Macedonia
MLA	3	MLA	Malaysia
MLD	3	MLD	Maldives (Republic of)
MLI	1	MLI	Mali (Republic of)
MLT	1	MLT	Malta
MNG	1	MNG	Mongolia
MOZ	1	MOZ	Mozambique (Republic of)
MRA	3	USA	Mariana Islands
MRC	1	MRC	Morocco (Kingdom of)
MRN	1	AFS	Marion Island
MRT	2	F	Martinique (French Department of)
MSR	2	G	Montserrat
MTN	1	MTN	Mauritania (Islamic Republic of)
MWI	1	MWI	Malawi
MYT	1	F	Mayotte Island
NCG	2	NCG	Nicaragua
NCL	3	F	New Caledonia
NFK	3	AUS	Norfolk Island
NGR	1	NGR	Niger (Republic of the)
NIG	1	NIG	Nigeria (Federal Republic of)
NIU	3	NZL	Niue Island
NMB	1	NMB	Namibia (Republic of)
NOR	1	NOR	Norway
NPL	3	NPL	Nepal
NRU	3	NRU	Nauru (Republic of)
NZL	3	NZL	New Zealand
OCE	3	F	French Polynesia
OMA	1	OMA	Oman (Sultanate of)
PAK	3	PAK	Pakistan (Islamic Republic of)
PAQ	2	CHL	Easter Island (Chile)
PHL	3	PHL	Philippines (Republic of the)
PHX	3	KIR/USA	Phoenix Islands
PLM	3	USA	Palmyra Island
PLW	3	PLW	Republic of Palau
PNG	3	PNG	Papua New Guinea
PNR	2	PNR	Panama (Republic of)
POL	1	POL	Poland (Republic of)
POR	1	POR	Portugal
PRG	2	PRG	Paraguay (Republic of)
PRU	2	PRU	Peru
PTC	3	G	Pitcairn Island

Code	Radiocommunication Region	Notifying Administration	Name of the geographical area
PTR	2	USA	Puerto Rico
QAT	1	QAT	Qatar (State of)
REU	1	F	Reunion (French Department of)
RG1	1		Region 1
RG2	2		Region 2
RG3	3		Region 3
ROD	3	MAU	Rodriguez
ROU	1	ROU	Romania
RRW	1	RRW	Rwandese Republic
RUS	1	RUS	Russian Federation
S	1	S	Sweden
SCN	2	SCN	Saint Christopher and Nevis
SDN	1	SDN	Sudan (Republic of the)
SEN	1	SEN	Senegal (Republic of)
SEY	1	SEY	Seychelles (Republic of)
SHN	1	G	Saint Helena
SLM	3	SLM	Solomon Islands
SLV	2	SLV	El Salvador (Republic of)
SMA	3	USA	American Samoa
SMO	3	SMO	Western Samoa (Independent State of)
SMR	1	SMR	San Marino (Republic of)
SNG	3	SNG	Singapore (Republic of)
SOM	1	SOM	Somali Democratic Republic
SPM	2	F	Saint Pierre and Miquelon (French Department of)
SRL	1	SRL	Sierra Leone
STP	1	STP	Sao Tome and Principe (Democratic Republic of)
SUI	1	SUI	Switzerland (Confederation of)
SUR	2	SUR	Suriname (Republic of)
SVK	1	SVK	Slovak Republic
SVN	1	SVN	Slovenia (Republic of)
SWN	2	HND	Swan Islands
SWZ	1	SWZ	Swaziland (Kingdom of)
SYR	1	SYR	Syrian Arab Republic
TCA	2	G	Turks and Caicos Islands
TCD	1	TCD	Chad (Republic of)
TCH	1	TCH	The code TCH is to be considered as applying equally to the Czech Republic and the Slovak Republic until a final decision has been taken by the two Administrations concerned regarding the status of the assignment or the allotment against which it appears.
TGO	1	TGO	Togolese Republic
THA	3	THA	Thailand
TJK	1	TJK	Tajikistan (Republic of)
TKL	3	NZL	Tokelau Islands
TKM	1	TKM	Turkmenistan
TMP	3	INS	East Timor
TON	3	TON	Tonga (Kingdom of)
TRC	1	G	Tristan da Cunha
TRD	2	TRD	Trinidad and Tobago
TUN	1	TUN	Tunisia
TUR	1	TUR	Turkey
TUV	3	TUV	Tuvalu
TZA	1	TZA	Tanzania (United Republic of)

Code	Radiocommunication Region	Notifying Administration	Name of the geographical area
UAE	1	UAE	United Arab Emirates
UGA	1	UGA	Uganda (Republic of)
UKR	1	UKR	Ukraine
URG	2	URG	Uruguay (Eastern Republic of)
URS	1	URS	Only against assignments notified by the Administration of ex-USSR.
USA	2	USA	The 48 contiguous States of the United States of America (excluding the States of Alaska and Hawaii)
UZB	1	UZB	Uzbekistan (Republic of)
VCT	2	VCT	Saint Vincent and the Grenadines
VEN	2	VEN	Venezuela (Republic of)
VIR	2	USA	United States Virgin Islands
VRG	2	G	British Virgin Islands
VTN	3	VTN	Viet Nam (Socialist Republic of)
VUT	3	VUT	Vanuatu (Republic of)
WAK	3	USA	Wake Island
WAL	3	F	Wallis and Futuna Islands
YEM	1	YEM	Yemen (Republic of)
YUG	1	YUG	Yugoslavia (Federal Republic of)
ZMB	1	ZMB	Zambia (Republic of)
ZWE	1	ZWE	Zimbabwe (Republic of)