



INTERNATIONAL AMATEUR RADIO UNION

REGION 3

MONITORING SYSTEM REPORT



May, 2007

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This month, I share with you an example of the potential power from harnessing the ire of the greater amateur community, which combined with long existing means of communications and tools, can quickly produce results that we in the Monitoring System can only envy:

14024.0	2007-05-03	2304	BS7H	jammer at 345 degrees from N.F	K4QBH
14024.0	2007-05-03	2313	JAMMER	S9 BEAMING NORTH FROM MS	K5YG
14024.0	2007-05-03	2314	BS7QRM	n of fl panhadle maybe a littl	NF4A
14024.0	2007-05-03	2315	BS7H	Jammer 328° from ALABAMA	K4APG
14024.0	2007-05-03	2316	BS7H	I'm nr Mobile AL. It's w of me	K4NP
14024.0	2007-05-03	2316	BS7H	JAMER 50 DEG IN CENT CA	W06T
14024.0	2007-05-03	2318	BS7H	Jammer 50 deg.from n.Ca	K6DW
14024.0	2007-05-03	2323	BS7H	JAMMER W=S1 N=S9 E=S1 fm MS	K5YG
14024.0	2007-05-03	2328	BS7H	Jammer 320 degrees from Atlant	K1ZZI
14024.0	2007-05-03	2328	BS7H	no Jammer heard in Chicago	W9RC
14024.0	2007-05-03	2329	BS7H	we can hear him in ct	W1NRX
14024.0	2007-05-03	2340	BS7H	jammer 120 deg from spokane vy	W6AEA
14024.0	2007-05-04	0008	BS7H	carrier peaks at 300deg fm Cha	W4NZ
14024.0	2007-05-04	0030	BS7H	heading 270 carrier	VE2FU
14024.0	2007-05-04	0108	JAMMER	ABT 300 Degs AZI fm W7D0	W7D0
14024.0	2007-05-04	0145	BS7H	Jammer 335 from West Palm Beac	K4PB
14024.0	2007-05-04	0154	BS7H	jammer at 330 from west florid	N4EK

The bearings reported have been added to great circle maps centred on each of the reporting stations on the following page. Each bearing will have some level of inaccuracy, but by mentally combining the images one can see clearly that the reports suggest the interfering carrier came from somewhere in northern WØ-land – in a little under three hours.

This technique was previously used by HSØZEE to identify the original source of the Chinese jamming of the Sound of Hope transmissions from Chinese Taipei as being from the vicinity of Shantou, Guangdong province – the mere presence of the broadcast service intruder was sufficient to trigger the interest of the greater amateur community to help contribute towards clearing amateur service spectrum of these two intruders.

How to bring this form of amateur radio “people power” to bear on other intruders? To identify an intruder geographically as illustrated here is powerful evidence that should help member-societies better pursue cases with their respective administrations. Suggestions would be greatly appreciated.

Good hunting!

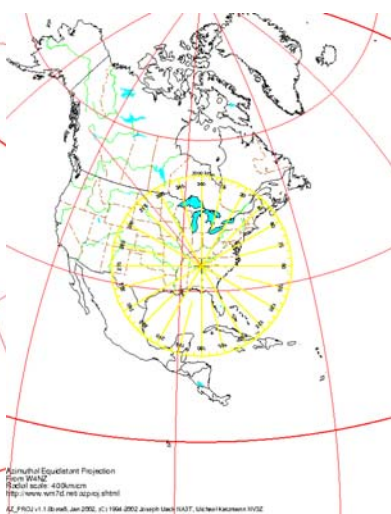
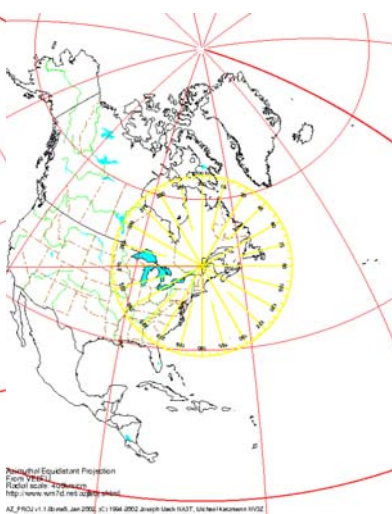
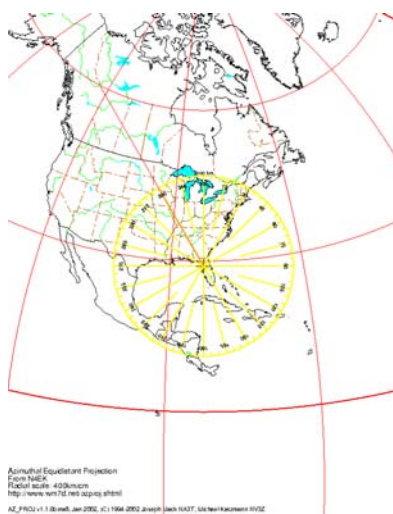
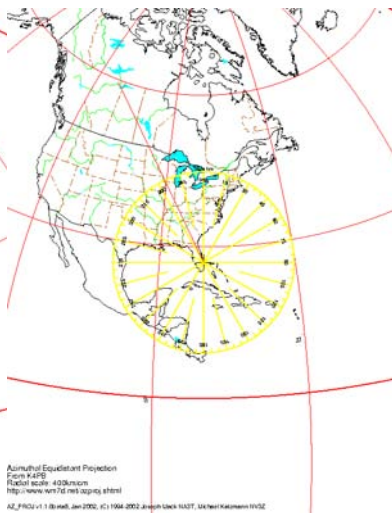
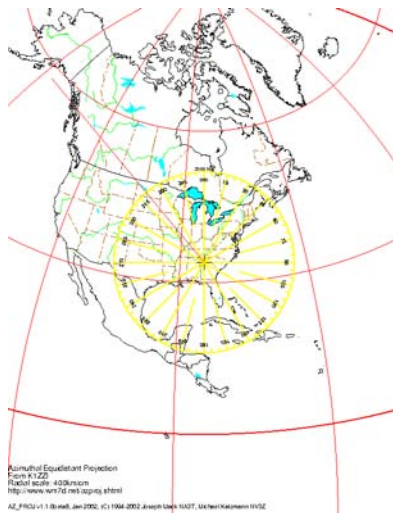
This month’s contributors:

ARSI: VU2UR

HARTS: VR2BG

JARL: JA0AD, JA2CNT, JA2WO, JI2GPM

NZART: ZL1BYA



kHz	BW	YYYY	MM	DD	GMT	Time	Emm	Bd	Sft	Hdg	ADM	ID	Description	Grid	Society
3550		2007	5	11	20:45		A3E						KOR music, +8 more reports		JARL
3560		2007	5	1	14:00		A3E				KRE	R Pyongyang	KOR voice/music, +109 more reports		JARL
3560		2007	05	DY		<1400-2230>	A3E				KRE	VoKorea		OL72	HARTS
7005		2007	05	14		<0306>	J3E/U				CLN	UNID	SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
7006.5		2007	05	29		<1415>	J3E/U				CLN	UNID	SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
7007		2007	05	29		<0314>	J3E/U				CLN	UNID	SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
7009.9		2007	05	24		<1502>	J3E/U				IND	UNID	MERGER, MURPHY AND LEGPULL- ALL MALE QSO	MK82	ARSI
7011.0		2007	05	29		<1416>	J3E/U				CLN	UNID	SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
7014		2007	05	29		<0144>	J3E/U				CLN	UNID	SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
7016.2		2007	05	18		<0348>	J3E/U				CLN	UNID	SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
7020		2007	5	23	04:18		J3E/L						Other		JARL
7021.3		2007	05	25		<0152>	J3E/U				CLN	UNID	SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
7022.3		2007	05	14		<0308>	J3E/U				CLN	UNID	SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
7023		2007	05	20		<0232>	J3E/U				CLN	UNID	SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
7028		2007	5	23	04:31		A1A						Other		JARL
7030		2007	05	31		<0249>	J3E/U				CLN	UNID	SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
7031.1		2007	05	24		<0250>	J3E/U				CLN	UNID	SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
7032		2007	5	6	04:43		J3E/L						Other		JARL
7032.5		2007	5	2	00:03		J3E/L						Other		JARL
7033		2007	5	8	14:08		PXX								JARL
7038		2007	5	21	19:19		A1A								JARL
7038.6		2007	05	16		<1530>	A1A				RUS	F,M	SINGLE LETTER BEACONS.	MK82	ARSI
7039		2007	5	1	16:02		A1A					M,C	Beacons, +66 more reports		JARL
7040	60	2007	5	12	14:13								wide band noise(7.010-7.070)		JARL
7040		2007	5	6	20:14		F1B						+1 more report		JARL
7043		2007	5	15	16:04		A1A				CHN	L9CC	CP17 de L9CC V		JARL
7045.5	91	2007	5	18	09:27								wide band noise		JARL
7050	100	2007	05	DY		0000-2400	PXX				CHN		varying times, center freq & bw	OL72	HARTS
7052.7		2007	05	16		<0348>	N0N				IND	AIR	THIRUVANANTHAPURAM SPURIOUS,7029 ALSO	MK82	ARSI
7053		2007	05	16		<0253>	N0N				IND	AIR	THIRUVANANTHAPURAM SPURIOUS,7030 ALSO	MK82	ARSI
7053.2		2007	05	20		<0233>	N0N				IND	AIR	THIRUVANANTHAPURAM SPURIOUS,7029 ALSO	MK82	ARSI
7053.3		2007	05	14		<0237>	N0N				IND	AIR	THIRUVANANTHAPURAM SPURIOUS,7029.6 ALSO	MK82	ARSI
7054.3		2007	05	25		<0250>	N0N				IND	AIR	THIRUVANANTHAPURAM SPURIOUS,7030.9 ALSO	MK82	ARSI
7054.3		2007	05	28		<0250>	N0N				IND	AIR	THIRUVANANTHAPURAM SPURIOUS,7030.5 ALSO	MK82	ARSI
7054.5		2007	05	24		<0245>	N0N				IND	AIR	THIRUVANANTHAPURAM SPURIOUS,7030.9 ALSO	MK82	ARSI
7054.6		2007	05	21		<0330>	N0N				IND	AIR	THIRUVANANTHAPURAM SPURIOUS,7031 ALSO	MK82	ARSI
7055		2007	05	23		<0250>	N0N				IND	AIR	THIRUVANANTHAPURAM SPURIOUS,7031.6 ALSO	MK82	ARSI
7056.7		2007	05	29		<0154>	J3E/U				CHN	UNID	FISHING TRAWLERS SPEAKING CHINESE DIALECT	MK82	ARSI
7061.3		2007	05	23		<0256>	J3E/U				CLN	UNID	SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
7061.8		2007	05	15		<1511>	A1A				CHN	L9CC	L9CC CALLING CP17	MK82	ARSI
7062		2007	5	10	18:04		A1A				CHN	L9CC	CP17 de L9CC V		JARL
7062.7		2007	05	31		<0245>	J3E/U				CLN	UNID	SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
7063.3		2007	05	31		<0248>	J3E/U				CLN	UNID	SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
7064		2007	5	11	18:26		A1A				CHN	L9CC	CP17 de L9CC V		JARL
7066.8		2007	05	29		<0228>	J3E/U				CLN	UNID	SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
7075		2007	5	3	14:04		A1A				CHN	L9CC	CP17 de L9CC V		JARL

kHz	BW	YYYY	MM	DD	GMT	Time	Emm	Bd	Sft	Hdg	ADM	ID	Description	Grid	Society
7078.5		2007	5	20	05:54		XXX						Jammer, other		JARL
7090		2007	05	15		<1512>	A3E				ERI	VoBM	DOMESTIC B/C HEARD HERE,INSTEAD OF 7100	MK82	ARSI
7090		2007	05	24		<1424>	A3E				ERI	VoBM	DOMESTIC B/C HEARD HERE,INSTEAD OF 7100	MK82	ARSI
7090		2007	05	29		<1414>	A3E				ERI	VoBM	DOMESTIC B/C HEARD HERE,INSTEAD OF 7100	MK82	ARSI
7092		2007	5	7	07:00		A1A					F	Beacon, +21 more reports		JARL
7093		2007	5	6	05:12		J3E/L						Other		JARL
7094		2007	5	8	14:06		PXX								JARL
7099.1		2007	05	29		<0152>	J3E/U				CLN	UNID	SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
7100		2007	5	1	18:00		A3E				KRE	R Pyongyang	FRN voice/music, +53 more reports		JARL
7105		2007	05	15		<1445>	A3E				CHN	HAINAN	HAINAN --TEMPLE MUSIC QRM	MK82	ARSI
7130		2007	05	15		<1445>	A3E				CHN	HAINAN	HAINAN --TEMPLE MUSIC QRM, ALSO 7185 KHZ.	MK82	ARSI
14000		2007	05	15		-1509	J3E/U				UNID	UNID	SYNTHETIC YL VOICE,WORDS.	MK82	ARSI
14000		2007	05	DY		0000-0350>	A3E				KRE	VoKorea		OL72	HARTS
14001		2007	05	28		<0209>	J3E/U				CLN	UNID	SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
14001.4		2007	05	20		<0319>	J3E/U				CLN	UNID	SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
14014.1		2007	05	28		<0306>	J3E/U				CLN	UNID	SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
14015		2007	05	02		<0217>	J3E/U				CLN	UNID	SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
14015	5	2007	05	DY		0000-2400	XXX			0	CHN		unknown digital, started 2007-05-12?	OL72	HARTS
14024		2007	05	25		<0150>	J3E/U				CLN	UNID	SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
14030		2007	5	8	20:40		A3E						Other, +9 more reports		JARL
14043.3		2007	05	25		<0239>	J3E/U				CLN	UNID	SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
14065		2007	05	DY		2330-0030	A3E				USA	VoAmerica	Philippines relay	OL72	HARTS
14090		2007	5	11	20:46		A3E						Other, +8 more reports		JARL
14100		2007	05	DY		<2150-2300	A3E				USA	VoAmerica	Philippines relay	OL72	HARTS
14152		2007	5	8	20:41		A3E						Other, +9 more reports		JARL
14183		2007	5	11	20:48		A3E						Other, +8 more reports		JARL
14184		2007	5	8	20:41		A3E						Other		JARL
14195		2007	05	DY		<2150-2400	A3E				USA	VoAmerica	Philippines relay	OL72	HARTS
14214		2007	5	8	20:42		A3E						Other, +9 more reports		JARL
14250		2007	05	DY		<2150-0900>	A3E				KRE	VoKorea		OL72	HARTS
14274		2007	5	8	20:42		A3E						Other, +9 more reports		JARL
14280		2007	05	DY		0000-0350>	A3E				KRE	VoKorea		OL72	HARTS
14334		2007	5	8	20:42		A3E						Other, +9 more reports		JARL
18060		2007	5	12	05:50		A3E						Music, +102 more reports		JARL
18085		2007	05	16		<0737>	J3E/U				CLN	UNID	SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
18160		2007	05	14		<0258>	A3E				CHN		HAINAN --TEMPLE MUSIC QRM	MK82	ARSI
18160		2007	05	16		<0330>	A3E				CHN	HAINAN	HAINAN --TEMPLE MUSIC QRM	MK82	ARSI
18160		2007	05	DY		0000-2400	A3E				CHN		music jamming Sound of Hope from Hainan	OL72	HARTS
18160		2007	05	DY		0000-2400	A3E				CHN		Sound of Hope from Taiwan	OL72	HARTS
21015		2007	05	DY		0000-0350>	A3E				KRE	VoKorea		OL72	HARTS
21015		2007	05	DY		0000-0350>	A3E				KRE	VoKorea		OL72	HARTS
21080		2007	05	DY		0000-0350>	A3E				KRE	VoKorea		OL72	HARTS
21080		2007	05	DY		0000-0350>	A3E				KRE	VoKorea		OL72	HARTS
21152.5		2007	5	2	00:15		J3E/U						Other		JARL
21173.5		2007	5	2	00:16		J3E/U						Other		JARL
21420		2007	05	DY		0000-0350>	A3E				KRE	VoKorea		OL72	HARTS

kHz	BW	YYYY	MM	DD	GMT	Time	Emm	Bd	Sft	Hdg	ADM	ID	Description	Grid	Society
21445		2007	05	DY		0000-0350>	A3E				KRE	VoKorea		OL72	HARTS
24910		2007	05	DY		0000-0350>	A3E				KRE	VoKorea		OL72	HARTS
24910		2007	05	DY		0000-0350>	A3E				KRE	VoKorea		OL72	HARTS
24940	100	2007	05	DY		0100-1000	PXX			50	CHN		CODAR	OL72	HARTS

Monitoring Service Report for May 2007
from NZART, Len ZL1BYA.

Frequency	BW	Year	MM	DD	UTC	Mode	Bd	Sft	Adm	ID.	Remarks	Society.
3560		2007	05	DY	0900-2100	A3E	--	--	KRE	R.Pyongyang.	Station heard as 'R. Pyongyang.'	nzart
7000		2007	05	DY	HX24	J3E/U/L	--	--	IND	Unid	Indonesian C.Bers.	nzart
7034.6		2007	05	21	<1143-1212	F1B	81	275	?	Unid	Encrypted	nzart
7027-6868	159	2007	05	21	<1112-1130	PXX	--	--	CHN	Unid	OTHR.in groups of two of 4.4Hz and spaced 172Hz apart.	nzart
7027-6868	159	2007	05	21	1130>	PXX	--	--	CHN	Unid	Changed to a single spikes at 21.5Hz apart.	nzart.
7039		2007	05	DY	H24	A1A	--	--	RUS	Bcn. M.F.C.	Maritime beacons.	nzart.
7050+/-30	60	2007	05	DY	1830-2130	PXX	--	--	?	Unid	OTHR 60kHz wide.	nzart.
7093.6		2007	05	05	<1710>	A1A	--	--	?	Unid	Letter "F" repeated. (beacon?)	nzart.
7093.6		2007	05	06	<1040-1210>	A1A	--	--	?	Unid	Letter "F" repeated	nzart.
7093.6		2007	05	08	<1157->	A1A	--	--	?	Unid	Letter "F" repeated.	nzart.
7093.6		2007	05	11	<1126>	A1A	--	--	?	Unid	Letter "F" repeated. Not heard after this date.	nzart.
7098-7034	64	2007	05	10	<1100-1200>	PXX	--	--	CHN	Unid	OTHR. 64kHz wide	nzart.
7100		2007	05	DY	1800>	A3E	--	--	?	Unid	B.C. Stn., unidentified.	nzart.
7104-7070	97	2007	05	22	<1158-1253>	PXX	--	--	CHN	Unid	OTHR. pulses 7.0 Hz apart.	nzart.
14000		2007	05	DY	HX24	J3E/U/L	--	--	IND	Unid	Indonesian C.Bers.	nzart.
14001.5		2007	05	09	1000>	A2N	--	--	?	Unid	Tone modulated carrier.	nzart.
14009		2007	05	07	<1035-1045>	F1B	50	225	?	Unid	Encrypted.	nzart.
14028		2007	05	15	0700-0900	F1B	--	250	?	Unid	Encrypted.	nzart.
14040		2007	05	DY	HX0800+	F6B	--	--	?	'101'	A.L.E. calling 190, 191, 192, 120.	nzart.
14040		2007	05	DY	0700-0800	J3E	--	--	IND	Unid	Indonesian C.B. net.	nzart.
14100		2007	05	DY	HX24	J3E/U/L	--	--	IND	Unid	Indonesian C.Bers.	nzart.
14108.9		2007	05	08	<1126>	A1A	--	--	?	Unid	Groups of letters and figuars.	nzart.
14110		2007	05	DY	HX24	J3E/U	--	--	IND	Unid	Indonesian C.Bers.	nzart.
14110		2007	05	22	1040>	A3E	--	--	?	Unid	B.C. Stn.	nzart.
14110		2007	05	23	1015	A3E	--	--	?	Unid	B.C. Stn.	nzart.
14116		2007	05	10	<1224-1235>	A1A	--	--	?	Unid	Encrypted.	nzart.
14118		2007	05	08	0705>	A1A	--	--	?	Unid	5L groups Cyrillic	nzart.
14118.5		2007	05	19	<0922-0930>	F1B	80	250	?	Unid	Encrypted.	nzart.
14120		2007	05	02	0900>	F1B	--	250	?	Unid	Encrypted.	nzart.
14120		2007	05	03	0900>	F1B1	--	250	?	Unid	Encrypted	nzart.
14162		2007	05	10	0840>	M7B	--	--	?	Unid	Multi-i channle phase modulated	nzart.
14186		2007	05	08	0710>	M7B	--	--	?	Unid	Multi-channel phase modulated.	nzart.
14192		2007	05	09	0950>	F1B	--	250	?	Unid	Idling only.	nzart.
14250		2007	05	DY	0400-1045	A3E	--	--	KRE	R.Pyongyang	B.C. Stn.	nzart.
14280		2007	05	DY	0700>	A3E	--	--	?	Unid	2f 7140kHz B.C. Stn.	nzart.
18060		2007	05	17	<2317>	A3E	--	--	TAI	R.Sound of Hope.	B.C. Stn with jammer on top drums bells etc	nzart.
18136		2007	05	03	0635>	F1B	--	500	?	Unid	Encrypted.	nzart.
18160		2007	05	03-24	0335>	A3E	--	--	CHN	Unid	B.C.Stn.	nzart.
24950+/-50		2007	05	DY	H24	PXX	--	--	?	Unid	Codar sea state radar.	nzart.
28-29000		2007	05	DY	HX24	A3E/F3E	--	--	CHN	Unid	Chinese C.B. every 5 kHz.	nzart.

kHz	YYYY	MM	DD	GMT	Call	Comment	Spotter
3543.1	2007	05	31	0723	PIRATES	Dutch speaking USB	PA2RU
3773.0	2007	05	15	0156	USB	LU pirates	PP5JD
3790.1	2007	05	21	0210	PIR0AT	USB PIRAT JAPAN BOAT GOOD QSO	IZ6CLZ
7000.0	2007	05	09	2118	RADAR	S9plus :-(((	SM0BRF
7000.0	2007	05	25	1417	PIRATE	USB	SWL
7000.0	2007	05	30	1219	RA1DAR	the finest in ohr tn timer china!	W6UC
7000.1	2007	05	05	0334	BY7RADAR	to 7031	VR2MX
7000.1	2007	05	05	1827	BY7RADAR	to 7090	VR2MX
7000.1	2007	05	06	0344	BY7RADAR	to 7070	VR2MX
7000.1	2007	05	06	2235	BY7RADAR	to 7050	VR2MX
7000.1	2007	05	07	2109	BY7RADAR	to 7065	VR2MX
7000.1	2007	05	07	2210	BY7RADAR	to 7065	VR2MX
7000.1	2007	05	11	2228	BY7RADAR	to 7100, peaks 50 over S9 hr	VR2MX
7000.1	2007	05	17	2254	BY7RADAR	to 7090, only 40 over	VR2MX
7000.1	2007	05	18	2318	BY7RADAR	to 7100, peaking 50 over	VR2MX
7000.1	2007	05	19	2317	BY7RADAR	to 7100, peaks 60 over	VR2MX
7000.1	2007	05	19	2318	BY7RADAR	to 7100, peaking 50 over	VR2MX
7000.1	2007	05	20	2208	BY7RADAR	to 7070, 50 over hr	VR2MX
7000.1	2007	05	20	2317	BY7RADAR	to 7100, peaks 60 over	VR2MX
7000.1	2007	05	20	2318	BY7RADAR	to 7100, peaking 50 over	VR2MX
7000.1	2007	05	22	2329	BY7RADAR	to 7100, only 40 over this morn	VR2MX
7000.1	2007	05	25	0009	BY7RADAR	to beyond 7100	VR2MX
7000.1	2007	05	28	2207	BY7RADAR	to 7065	VR2MX
7000.1	2007	05	30	1243	BY7RADAR	to 7029, then weaker to 7060	VR2MX
7000.1	2007	05	30	2121	BY7RADAR	to 7100	VR2MX
7000.1	2007	05	31	2218	BY7RADAR	to 7040	VR2MX
7001.0	2007	05	23	1033	RA1DAR	thanks to china for the radar!	W6UC
7005.0	2007	05	21	1214	RA1DAR	china radar now off	W6UC
7008.0	2007	05	01	2308	BY7RADAR	to 7075	VR2MX
7008.8	2007	05	17	1033	PUN	Intruder?	W1RM
7010.0	2007	05	12	2202	BY7RADAR	to 7070, weak - only s9	VR2MX
7010.0	2007	05	21	2148	BY7RADAR	to 7070 or so, hvy rain qrn	VR2MX
7025.0	2007	05	12	1137	RA1DAR	china blessing pacific w/radar	W6UC
7025.0	2007	05	21	1206	TA1KEN	40 gettin beating fm radar	W6UC
7040.0	2007	05	11	2229	BY7RADAR2	to 7060 this bit pegs s-meter!	VR2MX
7041.0	2007	05	07	2216	PIRATAS	Brasileiros in USB.	PT7VB
7075.0	2007	05	23	0155	BY7RADAR	to 7150	VR2MX
10115.0	2007	05	25	2025	RADAR	10115 to 10150	DG2TOM
10115.0	2007	05	25	2028	DG2TOM	Hr =40 db 115-150	OH3NNZ
10142.5	2007	05	16	2136	TF3PPN	Jon Rtty QRM by Radar LotW USE	DG2TOM
14015.0	2007	05	11	2241	PUN	intruder from Ecuador	HP1AC
14015.0	2007	05	12	1626	PUN	intruder from Ecuador	HP1AC
14015.0	2007	05	12	1942	PUN	PistaLasPenas-Ecuador	HP1AC
14015.0	2007	05	20	1615	PUN	PistaLasPenas intruder.Ecuador	HP1AC
14015.0	2007	05	22	1947	PUN	Intruder-Pista Las Penas-Ecuad	HP1AC
14015.0	2007	05	22	2153	PUN	PistaLasPenas.intruder-Ecuador	HP1AC
14015.0	2007	05	23	1502	PUN	intruder- Ecuador	HP1AC
14015.0	2007	05	23	1803	PUN	PistaLasPenas-Ecuador intruder	HP1AC
14015.0	2007	05	23	2158	PUN	intruder PistaLasPenas-Ecuador	HP1AC
14015.0	2007	05	23	2313	PUN	Intruder-Ecuador	HP1AC
14015.0	2007	05	24	1846	PUN	intruder Ecuador PistaLasPenas	HP1AC
14015.0	2007	05	25	0047	PUN	Ecuador intruder also 10512	HP1AC
14015.0	2007	05	25	1600	PUN	intruder PistaLasPenas-Ecuador	HP1AC
14015.0	2007	05	25	1826	PUN	HC8N do something please%A1%A1	HP1AC
14015.0	2007	05	25	2329	PUN	Intruder Ecuador- HC8N-pse Hel	HP1AC
14015.0	2007	05	31	2334	PUN	Ecuador intruder-	HP1AC
14040.0	2007	05	07	2252	KBCST2/DU	voa in yb, same as 14100	VR2MX
14040.0	2007	05	19	2316	KBCST2/DU	voice of america hr, too	VR2MX
14045.0	2007	05	22	0706	PIRATES	USB	HA8IE
14065.0	2007	05	05	0029	DUBCST	bcst imd	VR2MX
14065.0	2007	05	05	0029	KBCST	no, is Voice of America!	VR2MX
14065.0	2007	05	07	0011	KBCST/DU	voice of america	VR2MX
14065.0	2007	05	08	0005	KBCST/DU	voa in yb, nw hr	VR2MX
14065.0	2007	05	12	0002	KBCST/DU	Voice of America now here	VR2MX
14065.0	2007	05	20	0002	KBCST/DU	voice of america nw hr	VR2MX
14065.0	2007	05	25	0008	KBCST/DU	voice of america	VR2MX
14065.0	2007	05	31	0023	KBCST/DU	voice of america	VR2MX
14071.8	2007	05	23	1116	INTRUDER	DL Language BC in LSB any Harm	DG3DBO

14073.0	2007	05	23	1058	INTRUD	intruder dt/franz	DL1AKP
14073.0	2007	05	23	1121	INTRUDER	DL Lang. in LSB Any HARMONIC f	DG3DBO
14100.0	2007	05	06	2209	KBCST/DU	voice of america news in tag	VR2MX
14100.0	2007	05	07	2218	KBCST/DU	voa news for yb	VR2MX
14100.0	2007	05	11	2225	KBCAST2/DU	VOA here, too	VR2MX
14100.0	2007	05	11	2259	KBCST2/DU	VOA hip-hop music if you not h	VR2MX
14100.0	2007	05	12	2200	KBCST2/DU	VOA hr, too	VR2MX
14100.0	2007	05	16	2222	KBCST/DU	voice of america	VR2MX
14100.0	2007	05	17	2257	KBCST/DU	voice of america, weak today	VR2MX
14100.0	2007	05	20	2209	KBCST/DU	voice of america	VR2MX
14100.0	2007	05	21	2157	KBCST/DU	voice of america, mod started	VR2MX
14100.0	2007	05	28	2205	KBCST/DU	voice of america, bcast for yb	VR2MX
14100.0	2007	05	29	2231	KBCST/DU	voice of america	VR2MX
14100.0	2007	05	31	2216	KBCST/DU	voice of america	VR2MX
14110.0	2007	05	31	1027	BYBCST	china drive pgm in english	VR2MX
14195.0	2007	05	07	2305	KBCST/DU	nw hr, voa in yb & english	VR2MX
14195.0	2007	05	11	2258	KBCST/DU	VOA news over, now play music	VR2MX
14195.0	2007	05	12	2159	KBCST/DU	Voice of America just starting	VR2MX
14195.0	2007	05	16	2222	KBCST2/DU	voice of america also here	VR2MX
14195.0	2007	05	18	2319	KBCST/DU	voice of america	VR2MX
14195.0	2007	05	19	2315	KBCST/DU	voice of america	VR2MX
14195.0	2007	05	20	2229	KBCST/DU	voice of america, nw hr	VR2MX
14195.0	2007	05	21	2158	KBCST2/DU	yankee doodle dandy, voa start	VR2MX
14195.0	2007	05	22	2325	KBCST/DU	voice of america	VR2MX
14195.0	2007	05	28	2205	KBCST2/DU	voice of america, hr too	VR2MX
14195.0	2007	05	29	2232	KBCST2/DU	voice of america	VR2MX
14195.0	2007	05	31	2216	KBCST2/DU	voice of america	VR2MX
14240.0	2007	05	03	2020	AM	BC: RADIO ?	PE2KP
14240.0	2007	05	03	2035	INTRUDER	RUSSIAN LANGUAGE BROADCAST	PA4JJ
14240.0	2007	05	04	1917	INTRUDER	2 ND HARMONIC FR 7.120AM 59+	G7LRR
14240.0	2007	05	31	2114	INTRUDER	LSB PESCADORES	DH7SA
14250.0	2007	05	01	2309	P5BCST		VR2MX
14250.0	2007	05	09	2251	P5BCST	v of korea, booming thru BYSPLT	VR2MX
14250.0	2007	05	11	2227	P5BCST	voice of korea	VR2MX
14250.0	2007	05	12	2206	P5BCST	voice of korea	VR2MX
14263.0	2007	05	07	0159	PIRATE		BA5AG
14348.0	2007	05	30	1709	MUSIC	Intruder 59+30	DH7SA
14348.0	2007	05	30	1712	INTRUDER	5 7 in jo30ux nr koeln	DL1KAS
18072.0	2007	05	01	1220	PIRATES	usb	G3VKW
18077.5	2007	05	03	1626	INTRUDER	USB frm east	K2ERG
18080.0	2007	05	25	0212	INTRUDERS	USB Spanish lang	N5GE
18100.0	2007	05	24	1719	INTRUDERS	hvy ssb qrm on bpsk qrg from s	PE2AJM
18107.0	2007	05	05	0717	ZC4RADAR	to 18142	VR2MX
18135.0	2007	05	05	0730	RADAR	stopped just	OH5CH
18135.0	2007	05	05	1414	VOR	Voice Of Russia World Service	JH3SIF
18135.0	2007	05	05	1423	RU0INTRUDER	AM BC from Russia	ZS1Y
18135.0	2007	05	25	1323	RA0BCAST	Pirate AM BC	ZS1Y
18155.0	2007	05	07	1400	MUSIC	china BC here???	CT1FFU
18160.0	2007	05	02	0125	AMBDCAST	Only sig - AM Broadcast DU?	W9IXX
18160.0	2007	05	02	0127	W9IXX	BY shortwave intruder s9 plus	VK6RO
18160.0	2007	05	02	0130	BVBRCAST	yes broadcast station but from	HR2DMR
18160.0	2007	05	02	1119	BY0BCAST	different much stronger one...	ZS1Y
18160.0	2007	05	02	1655	MUS1C	ch1na?	CT2GZB
18160.0	2007	05	02	1656	CRI	prob china radio int jamming	M0DHO
18160.0	2007	05	03	0720	INTRUDER	BY/BV B'cast AM 59+	VK6CJL
18160.0	2007	05	03	1321	BCAST	radio china?	PA2RU
18160.0	2007	05	04	0712	INTRUDER	BY/BV B'cast am 59@0deg	VK6CJL
18160.0	2007	05	04	0925	BCAST	Illegal Chinese again 59++	G0UIH
18160.0	2007	05	04	1219	BH7CRAZY	crazy am broadcast	RW3ADB
18160.0	2007	05	04	1631	BCAST	Pirate China on all day 59+	G0UIH
18160.0	2007	05	04	1632	CRI	China Radio International agn	M0DHO
18160.0	2007	05	04	1638	CHINA	Enjoyed the drums	G3GIQ
18160.0	2007	05	05	0719	BY7MUSIC	swl hainan if not qso bs7h	VR2MX
18160.0	2007	05	05	0732	INTRUDER	BY/BV B'cast 59+	VK6CJL
18160.0	2007	05	05	1326	MU1SIC	China?	VE2DC
18160.0	2007	05	05	1328	MU1SIC	If real MU = GU	W2IJ
18160.0	2007	05	05	1423	BY0INTRUDER	AM BC from China	ZS1Y
18160.0	2007	05	05	1455	INTRUDER	AM BROADCAST CHINESE? 59 IN NC	KN4SA
18160.0	2007	05	05	2140	AM	STRONG AM STATION	N6HY

18160.0	2007	05	06	1246	ARAB-MUSIC	Intruder ?	DL-SWL
18160.0	2007	05	06	1331	BY0BCST	18150 & up BY Opera & Jammers	9M6XRO
18160.0	2007	05	06	1400	BD1PIRATES	chinese pirate qrm go to hell	PY2BRZ
18160.0	2007	05	06	1406	BY0AM	SHAME on you China !!!	SV2GWY
18160.0	2007	05	06	1513	MU1ISC	Really strong this AM....	KB1OPD
18160.0	2007	05	06	1711	CHINA	Bruce Lee singing	IW7DVM
18160.0	2007	05	06	1733	CHINATOWN	do not disturb the OM	IK8AAA
18160.0	2007	05	06	1804	BYINTRD	AM JAMMER ON AGN	N3RW
18160.0	2007	05	07	0026	BY7MUSIC		VR2MX
18160.0	2007	05	07	1313	BY7MUSIC		VR2MX
18160.0	2007	05	07	1432	BCINTRUDER	China Radio Intl intruder	M0DHO
18160.0	2007	05	07	1437	BS0AM	China jamming hams 58 with bc	PE2KP
18160.0	2007	05	07	1441	BS0AM	Jamming 59+25db	G7LRR
18160.0	2007	05	07	1621	MUSIC	agn chinese music hr :-(	SP2IQW
18160.0	2007	05	08	1814	CN1NA	broadcast Cnina 59	UT7UV
18160.0	2007	05	10	1152	IN1RUDER	s7 AM music	OZ4O
18160.0	2007	05	10	1740	WH0IS	this??	OE3JTB
18160.0	2007	05	11	0939	BCAST		PA2RU
18160.0	2007	05	12	1416	BH7_AM	crazy AM broadcast chinese	RW3ADB
18160.0	2007	05	12	1541	MUSIC	AM Bells/flutes/strings/gongs	W4HOZ
18160.0	2007	05	13	0115	IN2RUDR	music from where??	AD5HR
18160.0	2007	05	13	0127	CHINESE BC	59 plus in Ohio	W8FHF
18160.0	2007	05	13	1231	RADIO	BC	OH6GAZ
18160.0	2007	05	13	1752	BROADCASTING	59 BRASIL	PY2HGB
18160.0	2007	05	14	0256	BY0MUSIC		JH7PHD
18160.0	2007	05	14	1225	BROADCAST	from China 59++	PA2RU
18160.0	2007	05	14	1643	BROADCAST	radio China mny splatter	PA2RU
18160.0	2007	05	15	0845	INTRUDER	BY/BV B'cast agn AM	VK6CJL
18160.0	2007	05	15	0900	INTRUDER	BY AM B'cast,55 in moscow	RW3ADB
18160.0	2007	05	15	1647	RADIO	BC RADIO CHINA?	OH6GAZ
18160.0	2007	05	16	0627	BY1RADIO		A71EM
18160.0	2007	05	16	0929	INTRUDER	BC QRM	SWL
18160.0	2007	05	17	1313	BRCST	AM Broadcast Stn.	VY2RU
18160.0	2007	05	17	1357	???????????	Chinese broadcasting?	F5CDE
18160.0	2007	05	17	1427	F5CDE	here very strong Chinese brodc	HA0LG
18160.0	2007	05	17	2256	BY7MUSIC	jamming falun gong bv pirate	VR2MX
18160.0	2007	05	20	0933	BY7MUSIC	pla jamming bv pirate, hainan	VR2MX
18160.0	2007	05	20	0933	CH1NESE	AM BROADCAST STRONG	G4SOF
18160.0	2007	05	20	1253	JAMMER	Firedrake with 58 in OE6	SWL
18160.0	2007	05	20	1541	INTRUDER	Oriental sounding music	AB2TC
18160.0	2007	05	20	1736	BROADCASTING	59+	IZ2BHN
18160.0	2007	05	20	1739	BROADCASTING	59+15 in Budapest	HA5OZX
18160.0	2007	05	20	2048	BY	MUSIC??? S9+ in So. CA	K6LPO
18160.0	2007	05	20	2322	BY7MUSIC	pla jam falun gong bv pirate	VR2MX
18160.0	2007	05	21	2145	BY7MUSIC	s8 on just coax in shack, no a	VR2MX
18160.0	2007	05	22	2346	BY7MUSIC	jamming bv falun gong pirate	VR2MX
18160.0	2007	05	25	1323	BY0BCAST	Pirate AM BC	ZS1Y
18160.2	2007	05	06	1413	CHINESE/SHOW		FM5BH
18166.0	2007	05	19	1834	VP2ERV	sri bad QRG BY Jammer	DL6BR
21024.0	2007	05	21	1457	PUN	Intruder from Ecuador	HP1AC
21029.3	2007	05	05	1932	INTRUDERS	SSB Stations	N5GE
21260.0	2007	05	18	1304	RADAR	No DS4DRE/4 here	OH6PA
21290.0	2007	05	03	1341	RADAR	p	PA2RU
21290.0	2007	05	03	1343	RADAR	21289 to 21309 sig 9	9H1SP
21290.0	2007	05	03	1344	RADAR	20 over 9 UK	G3XYP
21296.8	2007	05	02	0904	YB0PIRATES	doesn't sound legit	ZS1Y
24925.0	2007	05	06	1057	BYINTRUDER	fm	VR2MX
28165.0	2007	05	25	0701	INTRUDER	russ. FM	OE1SOW
28205.0	2007	05	09	2001	PIRATES	from france	SWL
28228.0	2007	05	15	0640	PIRATE	AM mod with roger bleep	G6CRV
28245.0	2007	05	13	1556	-PIRATE-	two tone fishing buoy	F1NZR
28245.5	2007	05	10	1130	INTRUDER	strange qrm from SW	IW0HBY
28315.0	2007	05	20	1608	INTRUDER	fishermen for SudlItaly	IN3KLQ
28400.0	2007	05	04	1411	INTRUDER	FM modulation	G6CRV
28425.5	2007	05	14	1229	INTRUDERS	Texas shrimpers, AM	AD5WB
28425.8	2007	05	15	1256	XX?XX	INTRUDERS Tx SHRIMPERS AM	AD5WB
28426.5	2007	05	21	1306	XX5XX	INTRUDERS Tx Shrimpers AM	AD5WB