



INTERNATIONAL AMATEUR RADIO UNION

REGION THREE

MONITORING SYSTEM NEWS LETTER



February 2015

Peter Young VK3MV

Reports for February were received from the ARSI, JARL, NZART and the WIA.

This month there were 755 observations of intruders made across the Region as compared to last month's number of 855.

OHR systems continue to be the most prominent intruders, on 10, 15 and 20 meters and to a lesser extent on 40 meters. These intrusions are ongoing despite repeated reports to regulatory authorities.

There are the usual intrusions RUS cw beacons stations 40 meters.

There is the continual illegal use of 10 meters for local short-range communications in a number of Asian countries. More detail is provided in the attached data report.

Thank you to all the regional observers for their reports, these reports are needed, and really appreciated. Keep them coming. Monitoring reports can also be sent directly to me, if you don't have a national monitoring coordinator.

For those who would like a CSV file of data please email me at: vk3mv@wia.org.au

Peter – VK3MV

Freq kHz	BW	YYYY	MM	DD	GMT	UTC	Emm	Bd	Sft	Hdg	ADM	ID	Description	Grid	Society	Notes
3500.0	1	2015	2	2	1950		F1B		500				CONTINUOUS	QG52xi	WIA	VK4TJ
3556	3.0	2015	02	06	08:16		J3E						music with no call	PM84UQ	JARL	
3560.0	1	2015	2	2	1950		F1B		250				CONTINUOUS	QG52xi	WIA	VK4TJ
3585.0	3	2015	2	2	1950		J1C				JPN		FAX	QG52xi	WIA	VK4TJ
3623.0	3	2015	2	2	1950		J1C				JPN		FAX	QG52xi	WIA	VK4TJ
3750.0	150	2015	2	6	1915		P0N						OTHR, CONTINUOUS	QG52xi	WIA	VK4TJ
6930.0	150	2015	2	1	2005		P0N						OTHR, CONTINUOUS, Splip over above 7000kHz	QG52xi	WIA	VK4TJ
7000.0	100	2015	2	4	1945		P0N						SLOW PULSE RATE	QG52xi	WIA	VK4TJ
7000.0	3	2015	2	1	1010		J3E/U				INS		DAILY, VILLAGE RADIO	QG52xi	WIA	VK4TJ
7000		2015	02	DY	HX	HX	J3E/L				?	Unid	Non-Hams, mainly Spanish & Indonesian Languages - when OTHR is not on.	RF72LQ	NZART	ZL1BAD
7000		2015	02	DY	HX	HX	G7DE/F				?	Unid	HF Man Pack 1, 6 & 8 PSK	RF72LQ	NZART	ZL1BAD
7005.0	3	2015	2	1	1010		J3E/L				INS		DAILY, VILLAGE RADIO	QG52xi	WIA	VK4TJ
7005.0	3	2015	2	1	1015		J3E/U				INS		DAILY, VILLAGE RADIO	QG52xi	WIA	VK4TJ
7010.0	3	2015	2	2	1210		J3E/L				INS		DAILY, VILLAGE RADIO	QG52xi	WIA	VK4TJ
7010.0	3	2015	2	1	1205		J3E/U				INS		DAILY, VILLAGE RADIO	QG52xi	WIA	VK4TJ
7010		2015	02	13	<1838>	1838	P0N				?	Unid	OTHR Continuous spill- over from out of band operation	RF72LQ	NZART	ZL1BAD
7010		2015	02	15	<1850>	1850	P0N				?	Unid	OTHR Continuous spill- over from out of band operation	RF72LQ	NZART	ZL1BAD
7014		2015	02	05	<1835>	1835	XXXX				?	Unid	OTHR Unknown system	RF72LQ	NZART	ZL1BAD
7014		2015	02	06	<1850>	1850	XXXX				?	Unid	Unknown system	RF72LQ	NZART	ZL1BAD
7015.0	3	2015	2	1	1010		J3E/L				INS		DAILY, VILLAGE RADIO	QG52xi	WIA	VK4TJ
7015.0	3	2015	2	2	1205		J3E/U				INS		DAILY, VILLAGE RADIO	QG52xi	WIA	VK4TJ
7017	3.3	2015	02	07	<1850>	1850	M7B				?	Unid	Multi chnl	RF72LQ	NZART	ZL1BAD
7018.0	2	2015	2	1	1940		F1B		1000				CONTINUOUS	QG52xi	WIA	VK4TJ
7018		2015	02	19	<1830>	1830	XXX				?	Unid	Unknown system	RF72LQ	NZART	ZL1BAD
7019		2015	02	15	<1850>	1850	XXX				?	Unid	Unknown system	RF72LQ	NZART	ZL1BAD
7020.0	3	2015	2	1	1010		J3E/L				INS		DAILY, VILLAGE RADIO	QG52xi	WIA	VK4TJ
7020.0	3	2015	2	1	1010		J3E/U				INS		DAILY, VILLAGE RADIO	QG52xi	WIA	VK4TJ
7025.0	3	2015	2	1	1210		J3E/L				INS		DAILY, VILLAGE RADIO	QG52xi	WIA	VK4TJ
7025.0	3	2015	2	4	1145		J3E/U				INS		DAILY, VILLAGE RADIO	QG52xi	WIA	VK4TJ
7028.0	3	2015	2	1	1020		J3E/L				INS		DAILY, VILLAGE RADIO, SINGING	QG52xi	WIA	VK4TJ
7029	0.5	2015	02	20	2034		P0N			non	non	non	unkown dot pulse signal only	PM 97	JARL	
7030.0	5	2015	2	2	1955		G1D						BROAD PSK	QG52xi	WIA	VK4TJ
7030.0	3	2015	2	1	1010		J3E/L				INS		DAILY, VILLAGE RADIO, SINGING	QG52xi	WIA	VK4TJ
7030.0	3	2015	2	2	1205		J3E/U				INS		DAILY, VILLAGE RADIO, SINGING	QG52xi	WIA	VK4TJ
7031	0.5	2015	02	20	2036		P0N			non	non	non	unkown dot pulse signal only	PM 97	JARL	

7031	0.5	2015	02	25	2024		P0N	non	non	non	unkown dot pulse signal only	PM 97	JARL	
7035.0	3	2015	2	1	1020		J3E/L		INS		DAILY, VILLAGE RADIO, SINGING	QG52xi	WIA	VK4TJ
7036	3.3	2015	02	05	<1845>	1845	M7B		?	Unid	Multi chnl	RF72LQ	NZART	ZL1BAD
7038	0.5	2015	02	20	2040		P0N	non	non	non	unkown dot pulse signal only	PM 97	JARL	
7038.3		2015	2	1	1015		A1A		RUS	K	DAILY, HARBOUR BEACON	QG52xi	WIA	VK4TJ
7038.6		2015	2	2	1955		A1A		RUS	D	DAILY, HARBOUR BEACON	QG52xi	WIA	VK4TJ
7038.9		2015	02	05	<2155-2215>		A1A		RUS	"D"	SINGLE LETTER BEACON	MK82	ARSI	
7039	0.5	2015	02	01	0830		A1A	321	RUS	F--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	01	0834		A1A	37	RUS	K--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	01	1010		A1A	321	RUS	F--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	01	1012		A1A	37	RUS	K--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	01	1202		A1A	37	RUS	K--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	01	1204		A1A	321	RUS	F--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	01	1620		A1A	321	RUS	F--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	01	1622		A1A	37	RUS	K--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	01	2150		A1A	321	RUS	F--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	02	0510		A1A	321	RUS	F--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	02	0810		A1A	321	RUS	F--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	02	0812		A1A	37	RUS	K--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	02	2006		A1A	321	RUS	F--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	02	1204		A1A	37	RUS	K--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	02	1206		A1A	321	RUS	F--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	02	2148		A1A	321	RUS	F--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	03	0450		A1A	321	RUS	F--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	03	0820		A1A	321	RUS	F--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	03	0822		A1A	37	RUS	K--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	03	1010		A1A	321	RUS	F--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	03	2130		A1A	321	RUS	F--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	03	2134		A1A	15	RUS	M--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	04	0502		A1A	321	RUS	F--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	04	0806		A1A	321	RUS	F--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	04	0810		A1A	37	RUS	K--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	04	1010		A1A	321	RUS	F--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	04	2140		A1A	37	RUS	K--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	05	0726		A1A	321	RUS	F--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	05	1020		A1A	321	RUS	F--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	05	1640		A1A	321	RUS	F--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	05	2150		A1A	321	RUS	F--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	06	0610		A1A	321	RUS	F--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	06	0816		A1A	321	RUS	F--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	06	1020		A1A	321	RUS	F--signal	Beacon	PM 97	JARL	

7039	0.5	2015	02	06	2134	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	07	0620	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	07	0802	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	07	0806	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	07	1010	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	07	1014	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	07	1220	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	07	1224	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	07	1402	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	07	2140	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	08	0610	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	08	0810	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	08	0814	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	08	1002	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	08	1006	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	08	1220	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	08	1224	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	08	1630	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	08	2020	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	09	0550	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	09	0810	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	09	0814	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	09	1010	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	09	1002	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	09	1210	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	09	1630	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	09	2040	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	10	0610	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	10	0820	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	10	0824	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	10	1030	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	10	1034	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	10	2118	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
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7039	0.5	2015	02	11	0810	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	11	0814	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	11	1010	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	11	1014	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	11	1206	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	11	2120	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	12	0550	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	12	0804	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	12	0808	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
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7039	0.5	2015	02	13	1014	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
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7039	0.5	2015	02	14	0810	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	14	1026	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	14	1210	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	14	2120	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	15	0610	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	15	0820	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	15	1010	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	15	1204	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	15	1604	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	15	1832	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	15	1836	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	15	2120	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	16	0630	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	16	0820	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	16	0824	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	16	1010	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	16	1230	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	16	1610	A1A	37	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	16	1840	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	17	0510	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	17	0820	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	17	1012	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	17	1016	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	17	1210	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	17	1840	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	17	2110	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	18	0654	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	18	0820	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	18	0824	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	18	1006	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	18	1010	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	18	1220	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	18	1224	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	18	1810	A1A	37	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	18	2130	A1A	15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	18	2134	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	19	0610	A1A	321	RUS	F--signal	Beacon	PM 97	JARL

7039	0.5	2015	02	19	0820	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	19	1010	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	19	1014	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	19	1206	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	19	1208	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	19	1620	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	19	1806	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	19	2114	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	19	2118	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	20	0604	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	20	0810	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	20	0812	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	20	1010	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	20	1012	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	20	1220	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	20	1224	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	20	1810	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	20	2030	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	21	0640	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	21	0810	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	21	1010	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	21	1014	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	21	1210	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	21	1214	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	21	1602	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	21	1604	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	21	1820	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	21	2110	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	21	2210	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	22	0604	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	22	0810	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	22	0816	A1A	37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	22	1020	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	22	1840	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	22	1844	A1A	15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	23	0620	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	23	0802	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	23	1018	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	23	1210	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	23	2020	A1A	15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	24	0610	A1A	321	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	24	0814	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	24	1010	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	24	1202	A1A	321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2015	02	25	0602	A1A	321	RUS	F--signal	Beacon	PM 97	JARL

7039	0.5	2015	02	25	0810		A1A	321	RUS	F--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	25	1020		A1A	321	RUS	F--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	25	2020		A1A	37	RUS	K--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	26	0550		A1A	321	RUS	F--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	26	1030		A1A	321	RUS	F--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	26	2110		A1A	321	RUS	F--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	27	1020		A1A	321	RUS	F--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	27	1024		A1A	37	RUS	K--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	27	1212		A1A	37	RUS	K--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	27	1820		A1A	15	RUS	M--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	27	2050		A1A	321	RUS	F--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	28	0620		A1A	321	RUS	F--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	28	1004		A1A	321	RUS	F--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	28	1212		A1A	321	RUS	F--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	28	1640		A1A	15	RUS	M--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	28	1810		A1A	37	RUS	K--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	28	2054		A1A	37	RUS	K--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	28	2058		A1A	321	RUS	F--signal	Beacon	PM 97	JARL	
7039	0.5	2015	02	28	2202		A1A	321	RUS	F--signal	Beacon	PM 97	JARL	
7039		2015	02	DY	<0330>	0330-2200	A1A		RUS	D	Beacon CW	RF72LQ	NZART	ZL1BAD
7039		2015	02	DY	<0330>	0330-2200	A1A		RUS	M	Beacon CW	RF72LQ	NZART	ZL1BAD
7039		2015	02	DY	<0330>	0330-2200	A1A		RUS	F	Beacon QTH Vladivostok	RF72LQ	NZART	ZL1BAD
7039		2015	02	DY	<0330>	0330-2200	A1A		RUS	K	Beacon CW	RF72LQ	NZART	ZL1BAD
7039.2		2015	2	1	1015		A1A		RUS	F	DAILY, HARBOUR BEACON	QG52xi	WIA	VK4TJ
7039.2		2015	02	05	<2155- 2215>		A1A		RUS	"F"	SINGLE LETTER BEACON QUITE STRONG	MK82	ARSI	
7039.4		2015	2	1	1015		A1A		RUS	M	DAILY, HARBOUR BEACON	QG52xi	WIA	VK4TJ
7040	0.5	2015	02	02	10:42		A1A				train of "F","M","K"	PM84UQ	JARL	
7040	0.5	2015	02	04	12:01		A1A				train of "F","M","K"	PM84UQ	JARL	
7040	0.5	2015	02	05	10:04		A1A				train of "F","K","M"	PM84UQ	JARL	
7040	0.5	2015	02	06	08:13		A1A				train of "F","M","K"	PM84UQ	JARL	
7040	0.5	2015	02	10	11:26		A1A				train of "F","M","K"	PM84UQ	JARL	
7040	0.5	2015	02	12	12:30		A1A				train of "F","M","K"	PM84UQ	JARL	
7040	0.5	2015	02	16	11:44		A1A				train of "F","K","M"	PM84UQ	JARL	
7040	0.5	2015	02	19	11:59		A1A				train of "F","K","M"	PM84UQ	JARL	
7040	0.5	2015	02	21	10:40		A1A				train of "F","M","K"	PM84UQ	JARL	
7040	0.5	2015	02	26	10:54		A1A				train of "F","K","M"	PM84UQ	JARL	
7040	0.5	2015	02	27	12:01		A1A				train of "F","M","K"	PM84UQ	JARL	
7040	0.5	2015	02	28	10:35		A1A				train of "F","M","K"	PM84UQ	JARL	
7043	0.5	2015	02	25	2026		P0N	non	non	non	unkown dot pulse signal only	PM 97	JARL	
7047	0.5	2015	02	25	2028		P0N	non	non	non	unkown dot pulse signal only	PM 97	JARL	
7052.0	5	2015	2	3	1925		G1D				BROAD PSK	QG52xi	WIA	VK4TJ

7052	3.3	2015	02	13	<1835>	1835	M7B		?	Unid	Multi chnl	RF72LQ	NZART	ZL1BAD
7065.7	3	2015	2	2	1955		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
7080.0	40	2015	2	4	1945		VXX				CODAR	QG52xi	WIA	VK4TJ
7080	0.5	2015	02	25	2030		P0N	non	non	non	unkown dot pulse signal only	PM 97	JARL	
7084	0.5	2015	02	25	2032		P0N	non	non	non	unkown dot pulse signal only	PM 97	JARL	
7091.5		2015	2	1	1940		A1A		RUS	V	HARBOUR BEACON	QG52xi	WIA	VK4TJ
7099.0	1	2015	2	4	1950		F1B				SOME NON-ENGLISH CHARACTERS	QG52xi	WIA	VK4TJ
7100.0	2	2015	2	4	1950		G7DF				MANPACK RADIO	QG52xi	WIA	VK4TJ
7100.0		2015	2	4	1145		A1A				DAILY, MIXED NUMBER/LETTER CIPHER	QG52xi	WIA	VK4TJ
7100	30	2015	02	16	<1915>	1915	VXX		?	Unid	CODAR Continuous 3 pps	RF72LQ	NZART	ZL1BAD
7105.0	5	2015	2	4	2000		G7D				50 HZ SUBCARRIERS	QG52xi	WIA	VK4TJ
7110	30	2015	02	11	<1940>	1940	VXX		?	Unid	CODAR Continuous 3 pps	RF72LQ	NZART	ZL1BAD
7115	30	2015	02	08	<1835>	1835	VXX		?	Unid	CODAR Continuous 3 pps	RF72LQ	NZART	ZL1BAD
7119.0	1	2015	2	4	2000		F1B				SELCALL TONES	QG52xi	WIA	VK4TJ
7120		2015	02	13	<1830>	1830	A3E		SOM	R>Hargasia	B-C mixed progs.	RF72LQ	NZART	ZL1BAD
7120		2015	02	15	<1850>	1850	A3E		SOM	R>Hargasia	B-C mixed progs.	RF72LQ	NZART	ZL1BAD
7120		2015	02	17	<1845>	1845	A3E		SOM	R>Hargasia	B-C mixed progs.	RF72LQ	NZART	ZL1BAD
7120		2015	02	19	<1830>	1830	A3E		SOM	R>Hargasia	B-C mixed progs.	RF72LQ	NZART	ZL1BAD
7120		2015	02	22	<1840>	1840	A3E		SOM	R>Hargeisa	Broadcast Station Radio Hargeisa Somaliland S9	RE68XL	NZART	ZL2TZE
7120		2015	02	26	<1845>	1845	A3E		SOM	R>Hargasia	B-C mixed progs.	RF72LQ	NZART	ZL1BAD
7122	3.3	2015	02	16	<1915>	1915	M7B		?	Unid	Multi chnl	RF72LQ	NZART	ZL1BAD
7173	34	2015	02	24	2120		P0N	non	non	non	unkown 7156KHz~7190KHz wide pulse mode P0N OTHR ?	PM 97	JARL	
7175	30	2015	02	05	<1845>	1845	VXX		?	Unid	CODAR Continuous 3 pps	RF72LQ	NZART	ZL1BAD
7182	3.3	2015	02	26	<1210>	1210	M7B		?	Unid	Multi chnl	RF72LQ	NZART	ZL1BAD
7187.0	1	2015	2	4	1145		F1B				SELCALL TONES	QG52xi	WIA	VK4TJ
7197.0	5	2015	2	1	1015		G1D				BROAD PSK	QG52xi	WIA	VK4TJ
7200.0	8	2015	2	3	1925		A3E				SW BROADCAST	QG52xi	WIA	VK4TJ
14000.0	3	2015	2	4	0700		J3E/U		PHL		DAILY, TAGALOG	QG52xi	WIA	VK4TJ
14000		2015	02	DY	HX	HX	G7DE/F		?	Unid	HF Man Pack 1, 6 & 8 PSK	RF72LQ	NZART	ZL1BAD
14003.0	3	2015	2	3	0745		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
14008.0	3	2015	2	1	2010		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
14009.0	2	2015	2	2	0825		J3E/L				DAILY, ASIAN FAMILY NET	QG52xi	WIA	VK4TJ
14010.0	20	2015	2	3	0855		P0N				OTHR, CONTINUOUS	QG52xi	WIA	VK4TJ
14010		2015	02	10	<0200-0215>		J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	

14014		2015	02	06	<0340-0350>		J3E/U			CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
14014		2015	02	06	<0340-0350>		J3E/L			CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
14015	20	2015	02	14	<1942>	1942	P0N			CYP	Unid	OTHR 50 pps S4-S5 Continuous Cyprus calling S3	RF70BW	NZART	ZL2APV
14024.0	1	2015	2	1	1025		F1B	75	500	RUS		CONTINUOUS	QG52xi	WIA	VK4TJ
14024		2015	02	17	<0140-0150>		J3E/U			CHN	UNID	CHINESE DIALECT SPEAKERS	MK82	ARSI	
14024.5		2015	02	10	<0220-0230>		J3E/U			CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
14030.0	2	2015	2	8	0340		G7DF					MANPACK RADIO	QG52xi	WIA	VK4TJ
14046		2015	02	06	<0555>	0555	G7DF		330	?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
14047.0	3	2015	2	7	0810		J3E/U					COUNTING TO 4 IN ENGLISH	QG52xi	WIA	VK4TJ
14048.0	3	2015	2	8	0720		J3E/U			PHL		TAGALOG	QG52xi	WIA	VK4TJ
14049		2015	02	06	<0556>	0556	G7DF		330	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
14050.0	2	2015	2	8	0720		G7DF					MANPACK RADIO	QG52xi	WIA	VK4TJ
14050.0	3	2015	2	1	2300		J3E/U			PHL		TAGALOG	QG52xi	WIA	VK4TJ
14050.0	10	2015	2	5	1010		P0N					OTHR, BURSTS	QG52xi	WIA	VK4TJ
14050.0	2	2015	2	1	2030		G7DF					MANPACK RADIO	QG52xi	WIA	VK4TJ
14050.4	3	2015	2	5	0815		J3E/U					ASIAN, SOUNDS CHINESE	QG52xi	WIA	VK4TJ
14055.0	2	2015	2	6	2020		G7DF					MANPACK RADIO	QG52xi	WIA	VK4TJ
14065.0	2	2015	2	1	2100		G7DF					MANPACK RADIO	QG52xi	WIA	VK4TJ
14085.0	20	2015	2	5	0840		P0N					BURSTS	QG52xi	WIA	VK4TJ
14088		2015	02	06	<0538>	0538	G7DF		330	?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
14114	10	2015	02	18	<2340>	2340	P0N			?	Unid	OTHR 3 secs every 30 secs 90 pps	RF72LQ	NZART	ZL1BAD
14124		2015	02	06	<0627.	0627	G7DF		330	?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
14127.0	1	2015	2	3	0815		F1B	800					QG52xi	WIA	VK4TJ
14130.0	20	2015	2	3	0815		P0N					OTHR, SLOW PULSE RATE	QG52xi	WIA	VK4TJ
14145.0	3	2015	2	6	0525		N0N					WITH 50 HZ HUM & DRIFT	QG52xi	WIA	VK4TJ
14145		2015	02	06	<0550>	0550	G7D		330	?	Unid	OFDM signal 22 + carriers S4	RF73MF	NZART	ZL1GWE
14148.7	3	2015	2	2	0845		J3E/U					ASIAN FAMILY NET	QG52xi	WIA	VK4TJ
14149		2015	02	06	<0535.	0535	G7DF		330	?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
14150.0	10	2015	2	5	0825		P0N					OTHR	QG52xi	WIA	VK4TJ
14159		2015	02	06	<0626.	0626	G7DF		330	?	Unid	HF Man Pack 8-PSK S3	RF73MF	NZART	ZL1GWE
14160		2015	02	06	<0556.	0556	G7DF		330	?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
14170		2015	02	06	<0556.	0556	G7DF		330	?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE

14180		2015	02	06	<0554>	0554	G7DF		330	?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
14190.0	3	2015	2	3	0930		J3E/L					ASIAN FAMILY NET	QG52xi	WIA	VK4TJ
14192.0	1	2015	2	5	0825		F1B	200				DAILY, CONTINUOUS	QG52xi	WIA	VK4TJ
14192		2015	02	02	<0700>	0700	F1B	200		RUS	Unid	RTTY Not printable	RF72LQ	NZART	ZL1BAD
14192		2015	02	10	<0100>	0100	F1B	50 200		RUS	Unid	RTTY Military Russian Navy	RF72LQ	NZART	ZL1BAD
14192		2015	02	11	<1920>	1920	F1B	50 200		RUS	Unid	RTTY Military Russian Navy QTH Karli grad	RF72LQ	NZART	ZL1BAD
14192		2015	02	12	<1920>	1920	F1B	50 200		RUS	Unid	RTTY Military Russian Navy	RF72LQ	NZART	ZL1BAD
14192		2015	02	13	<1830>	1830-1910	F1B	50 200		RUS	Unid	RTTY Military Russian Navy	RF72LQ	NZART	ZL1BAD
14192		2015	02	15	<1850>	1850	F1B	50 200		RUS	Unid	RTTY Military Russian Navy	RF72LQ	NZART	ZL1BAD
14192		2015	02	16	<1915>	1915	F1B	50 200		RUS	Unid	RTTY Military Russian Navy	RF72LQ	NZART	ZL1BAD
14192		2015	02	22	<1910>	1910	F1B	50 200		RUS	Unid	RTTY Military Russian Navy	RF72LQ	NZART	ZL1BAD
14192		2015	02	26	<1205>	1205	F1B	50 200		RUS	Unid	RTTY Military Russian Navy	RF72LQ	NZART	ZL1BAD
14195.0	20	2015	2	3	0815		P0N					OTHR, BURSTS	QG52xi	WIA	VK4TJ
14200.0	100	2015	2	5	0840		P0N					OTHR, BURSTS	QG52xi	WIA	VK4TJ
14200	3.3	2015	02	19	<2050>	2050	M7B			?	Unid	Multi-chnl	RF72LQ	NZART	ZL1BAD
14200	3.3	2015	02	18	<2100>	2100	M7B			?	Unid	Multi-chnl	RF72LQ	NZART	ZL1BAD
14200	3.3	2015	02	20	<2045>	2045	M7B			?	Unid	Multi-chnl	RF72LQ	NZART	ZL1BAD
14212.0	5	2015	2	5	0845		G7D					DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG52xi	WIA	VK4TJ
14220	20	2015	02	13	<1840>	1840-1855	P0N			?	Unid	OTHR Continuous	RF72LQ	NZART	ZL1BAD
14228.0	3	2015	2	4	0615		J3E/U			PHL		TAGALOG FISHBOATS - ENGINE NOISE	QG52xi	WIA	VK4TJ
14240		2015	02	03	<0715>	0715-0718	J33/L			?	Unid	Non Amateur Number station Ladies Asian calling out numbers	RE68XL	NZART	ZL2TZE
14242		2015	02	06	<0535.	0535	G7DF		330	?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
14250.0	20	2015	2	3	0955		P0N					OTHR, BURSTS	QG52xi	WIA	VK4TJ
14255.0	2	2015	2	8	0225		G7DF					MANPACK RADIO	QG52xi	WIA	VK4TJ
14258		2015	02	06	<0545.	0545	G7DF		330	?	Und	HF Man pack 8-PSK S1	RF73MF	NZART	ZL1GWE
14260.0	5	2015	2	3	0810		G7D					DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG52xi	WIA	VK4TJ
14269.0	5	2015	2	3	0815		G7D					DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG52xi	WIA	VK4TJ
14273		2015	02	06	<0545.	0545	G7DF		330	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
14285.0	20	2015	2	5	0830		P0N					OTHR, BURSTS	QG52xi	WIA	VK4TJ
14300	20	2015	02	15	<1935>	1935	P0N			?	Unid	OTHR Continuous	RF72LQ	NZART	ZL1BAD
14300	3.3	2015	02	15	<2135>	2135	M7B			?	Unid	Multi-chnl	RF72LQ	NZART	ZL1BAD
14302.0		2015	2	2	0835		A1A				E	REPEATED OVER & OVER. PLUS SELCALL	QG52xi	WIA	VK4TJ

14305	10	2015	02	21	<2335>	2335-2350	P0N		?	Unid	OTHR 3.8 secs every 40 secs 70 pps	RF72LQ	NZART	ZL1BAD
14306		2015	02	05	<0430- 0445>		J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
14309		2015	02	06	<0535>	0535	G7DF	330	?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
14309		2015	02	06	<0625>	0625	G7DF	330	?	Unid	HF Man Pack 6-PSK S2	RF73MF	NZART	ZL1GWE
14315		2015	02	06	<0542>	0542	G7DF	330	?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
14319		2015	02	06	<0539>	0539	G7DF	330	?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
14327		2015	02	DY	H24	H24	XXX		?	Unid	4 chnl - unknown system	RF72LQ	NZART	ZL1BAD
14333	10	2015	02	15	<0010>	0010	P0N		?	Unid	OTHR 3 secs every 20 secs 80 pps	RF72LQ	NZART	ZL1BAD
14337.8	3	2015	2	2	0835		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
14341		2015	02	06	<0628>	0628	G7DF	330	?	Unid	HF Man Pack 8-PSK S3	RF73MF	NZART	ZL1GWE
14342		2015	02	06	<0539>	0539	G7DF	330	?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
18068		2015	02	DY	HX	HX	G7DE/F		?	Unid	HF Man Pack 1, 6 & 8 PSK	RF72LQ	NZART	ZL1BAD
18070.0	50	2015	2	3	1200		P0N				BURSTS	QG52xi	WIA	VK4TJ
18098	10	2015	02	21	<0110>	0110	P0N		?	Unid	OTHR 3.8 secs every 30 secs 70 pps	RF72LQ	NZART	ZL1BAD
18100	10	2015	02	21	<0110>	0110	P0N		?	Unid	OTHR 3.8 secs every 30 secs 70 pps	RF72LQ	NZART	ZL1BAD
18110.0	100	2015	2	2	0825		P0N				OTHR	QG52xi	WIA	VK4TJ
18111.0	3	2015	2	4	0610		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
18176	20	2015	02	02	<0650>	0650	P0N		?	Unid	OTHR Continuous 50 pps 8k in band	RF72LQ	NZART	ZL1BAD
21000.0	10	2015	2	7	0145		P0N				OTHR, BURSTS	QG52xi	WIA	VK4TJ
21000.0	2	2015	2	3	1015		G7DF				MANPACK RADIO	QG52xi	WIA	VK4TJ
21000.0	3	2015	2	6	0845		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
21000		2015	02	DY	HX	HX	G7DE/F		?	Unid	HF Man Pack 1, 6 & 8 PSK	RF72LQ	NZART	ZL1BAD
21005.0	2	2015	2	7	0715		G7DF				MANPACK RADIO	QG52xi	WIA	VK4TJ
21010.0	10	2015	2	7	0715		P0N				OTHR, BURSTS	QG52xi	WIA	VK4TJ
21010.2		2015	02	05	<0430- 0445>		J3E/U		CHN	UNID	CHINESE DIALECT SPEAKERS	MK82	ARSI	
21020.0	2	2015	2	7	0625		G7DF				MANPACK RADIO	QG52xi	WIA	VK4TJ
21021.0	3	2015	2	7	0605		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
21024		2015	02	28	<0636>	0636	G7DF	330	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
21030.0	60	2015	2	2	0115		P0N				BURSTS	QG52xi	WIA	VK4TJ
21033		2015	02	28	<0722>	0722	G7DF	330	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
21035.0	2	2015	2	3	0310		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
21050	20	2015	02	01	<0650>	0650-0705	P0N		?	Unid	OTHR Continuous 30 pps	RF72LQ	NZART	ZL1BAD
21058		2015	02	28	<0636>	0636	G7DF	330	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
21066		2015	02	28	<0638>	0638	G7DF	330	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
21102.2	3	2015	2	3	1000		J3E/U				DAILY, ASIAN	QG52xi	WIA	VK4TJ
21110.0	10	2015	2	7	0555		P0N				OTHR, BURSTS	QG52xi	WIA	VK4TJ
21130.0	20	2015	2	3	1000		P0N				OTHR, BURSTS	QG52xi	WIA	VK4TJ

21130	20	2015	02	21	<0715>	0715	P0N		?	Unid	OTHR Continuous 50 pps Closed @ 0720	RF72LQ	NZART	ZL1BAD
21132		2015	02	28	<0636>	0636	G7DF	330	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
21135		2015	02	28	<0722>	0722	G7DF	330	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
21140	160	2015	02	16	<0425>	0425	P0N		?	Unid	OTHR 45 secs on, 45 secs off. 10 pps 160k wide	RF72LQ	NZART	ZL1BAD
21140	10	2015	02	17	<0405>	0405-0700	P0N		?	Unid	OTHR 3.8 secs every 30 secs 70 pps	RF72LQ	NZART	ZL1BAD
21140	10	2015	02	28	<0355>	0355	P0N		?	Unid	OTHR 3.8 secs every 30 secs 70 pps	RF72LQ	NZART	ZL1BAD
21142.0	10	2015	2	17	0400>		P0N				100pps operating in tandum with 21379 & 21264	QF22md	WIA	VK3MV
21145	10	2015	02	17	<0355>	0355	P0N		?	Unid	OTHR 6 secs every 30 secs 50 pps	RF72LQ	NZART	ZL1BAD
21150.0	20	2015	2	9	0105		P0N				OTHR, BURSTS	QG52xi	WIA	VK4TJ
21168	10	2015	02	13	<0515>	0515	P0N		?	Unid	OTHR 5 secs every 30 secs OTHR 50 pps	RF72LQ	NZART	ZL1BAD
21170		2015	02	28	<0719>	0719	G7DF	330	?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
21175	160	2015	02	16	<0635>	0635	P0N		?	Unid	OTHR 45 secs on 45 secs off 10 pps	RF72LQ	NZART	ZL1BAD
21175	10	2015	02	18	<2350>	2350	P0N		?	Unid	OTHR 5 secs every 30 secs OTHR 50 pps	RF72LQ	NZART	ZL1BAD
21175	10	2015	02	19	<0015>	0015	P0N		?	Unid	OTHR 5 secs every 30 secs OTHR 50 pps	RF72LQ	NZART	ZL1BAD
21175	10	2015	02	28	<0350>	0350	P0N		?	Unid	OTHR 6 secs every 30 secs 50 pps	RF72LQ	NZART	ZL1BAD
21199	10	2015	02	19	\0002>	0002	P0N		?	Unid	OTHR 5 secs every 30 secs OTHR 50 pps	RF72LQ	NZART	ZL1BAD
21205.0	2	2015	2	3	0055		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
21208	10	2015	02	DY	HX	HX	P0N		?	Unid	HFSWR 18 secs on @ 7 pps	RF72LQ	NZART	ZL1BAD
21210.0	40	2015	2	9	0125		VXX				CODAR-LIKE SWEEPS. PRECURSOR TO OTHR	QG52xi	WIA	VK4TJ
21210	20	2015	02	12	<0700>	0700	P0N		?	Unid	OTHR Continuous 50 pps Closed @ 0709	RF72LQ	NZART	ZL1BAD
21210	10	2015	02	17	<0355>	0355	P0N		?	Unid	OTHR 2 Secs every 30 secs 50 pps	RF72LQ	NZART	ZL1BAD
21215	10	2015	02	DY	HX	HX	P0N		?	Unid	HFSWR 18 secs on 7 pps	RF72LQ	NZART	ZL1BAD
21215	160	2015	02	16	<0030>	0030	P0N		?	Unid	OTHR Continuous 160 k wide. (closed @ 0030)	RF72LQ	NZART	ZL1BAD
21217	10	2015	02	DY	HX	HX	P0N		?	Unid	HFSWR 18 secs on 7 pps	RF72LQ	NZART	ZL1BAD
21220	10	2015	02	02	<0219>	0219	P0N		?	Unid	OTHR Continuous 50 pps Closed @ 0226	RF72LQ	NZART	ZL1BAD
21222	10	2015	02	DY	HX	HX	P0N		?	Unid	HFSWR 18 secs on 7 pps	RF72LQ	NZART	ZL1BAD
21225	10	2015	02	DY	HX	HX	P0N		?	Unid	HFSWR 18 secs on @ 7 pps	RF72LQ	NZART	ZL1BAD

21227	10	2015	02	DY	HX	HX	P0N		?	Unid	HFSWR 18 secs on @ 7 pps	RF72LQ	NZART	ZL1BAD
21230	10	2015	02	DY	HX	HX	P0N		?	Unid	HFSWR 18 secs on @ 7 pps	RF72LQ	NZART	ZL1BAD
21232	10	2015	02	DY	HX	HX	P0N		?	Unid	HFSWR 18 secs on @ 7 pps	RF72LQ	NZART	ZL1BAD
21233	10	2015	02	DY	HX	HX	P0N		?	Unid	HFSWR 18 secs on @ 7 pps	RF72LQ	NZART	ZL1BAD
21235	10	2015	02	DY	HX	HX	P0N		?	Unid	HFSWR 18 secs on @ 7 pps	RF72LQ	NZART	ZL1BAD
21240	10	2015	02	DY	HX	HX	P0N		?	Unid	HFSWR 18 secs on 7 pps	RF72LQ	NZART	ZL1BAD
21240		2015	02	28	<0719>	0719	G7DF	330	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
21245		2015	02	28	<0638>	0638	G7DF	330	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
21248	10	2015	02	DY	HX	HX	P0N		?	Unid	HFSWR 18 secs on @ 7 pps	RF72LQ	NZART	ZL1BAD
21250	10	2015	02	DY	HX	HX	P0N		?	Unid	HFSWR 18 secs on @ 7 pps	RF72LQ	NZART	ZL1BAD
21250		2015	02	28	<0720>	0720	G7DF	330	?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
21255	10	2015	02	DY	HX	HX	P0N		?	Unid	HFSWR 18 secs on @ 7 pps	RF72LQ	NZART	ZL1BAD
21257	10	2015	02	DY	HX	HX	P0N		?	Unid	HFSWR 18 secs on @ 7 pps	RF72LQ	NZART	ZL1BAD
21260	10	2015	02	28	<0100>	0100	P0N		?	Unid	OTHR 3.8 secs every 30 secs 70 pps	RF72LQ	NZART	ZL1BAD
21260	10	2015	02	DY	HX	HX	P0N		?	Unid	HFSWR 18 secs on @ 7 pps	RF72LQ	NZART	ZL1BAD
21263	10	2015	02	17	<0355>	0355-0700	P0N		?	Unid	OTHR 6 secs every 30 secs 50 pps	RF72LQ	NZART	ZL1BAD
21264.0	10	2015	2	17	0400>		P0N				100pps operating in tandem with 21379 & 21142	QF22md	WIA	VK3MV
21265	10	2015	02	DY	HX	HX	P0N		?	Unid	HFSWR 18 secs on @ 7 pps	RF72LQ	NZART	ZL1BAD
21270.0	2	2015	2	1	0015		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
21270.0	20	2015	2	3	1000		P0N				OTHR, SHORT BURSTS	QG52xi	WIA	VK4TJ
21270	10	2015	02	DY	HX	HX	P0N		?	Unid	HFSWR 18 secs on @ 7 pps	RF72LQ	NZART	ZL1BAD
21272	10	2015	02	DY	HX	HX	P0N		?	Unid	HFSWR 18 secs on @ 7 pps	RF72LQ	NZART	ZL1BAD
21275.0	20	2015	2	1	0020		P0N				OTHR, SHORT BURSTS	QG52xi	WIA	VK4TJ
21275	10	2015	02	DY	HX	HX	P0N		?	Unid	HFSWR 18 secs on @ 7 pps	RF72LQ	NZART	ZL1BAD
21275.5	13	2015	02	01	<2354>	2354	P0N	330	AUS	Unid	OTHR S4 45 and 48 pps 1.6 second bursts alternating and central PIP	RF73Mf	NZART	ZL1GWE
21282	10	2015	02	17	<0415>	0415	P0N		?	Unid	OTHR 3 x 2 secs every 30 secs 40/80 pps	RF72LQ	NZART	ZL1BAD
21285	30	2015	02	15	<1000>	1000-1020	P0N		?	Unid	HFSWR 5 pps 15 secs on every 1.2 mins. 30 k wide	RF72LQ	NZART	ZL1BAD
21292	10	2015	02	12	<0105>	0105	P0N		?	Unid	OTHR 1.5 secs every 30 secs 50 pps	RF72LQ	NZART	ZL1BAD

21295	10	2015	02	14	<0100>	0100-0115	P0N		?	Unid	OTHR 1.8 secs @ variable times (Around 30 secs) 40/80 pps	RF72LQ	NZART	ZL1BAD
21295	10	2015	02	17	<0700>	0700	P0N		?	Unid	OTHR 3.8 secs every 30 secs 70 pps	RF72LQ	NZART	ZL1BAD
21295	10	2015	02	19	<2230>	2230	P0N		?	Unid	OTHR 1.5 secs every 20 secs 50 pps	RF72LQ	NZART	ZL1BAD
21296	10	2015	02	DY	HX	HX	P0N		?	Unid	HFSWR 18 secs on @ 7 pps	RF72LQ	NZART	ZL1BAD
21310	10	2015	02	19	<0645>	0645	P0N		?	Unid	OTHR 3.8 every 30 secs 70 pps	RF72LQ	NZART	ZL1BAD
21314	10	2015	02	07	<0310>	0310	P0N		?	Unid	OTHR 3.8 every 40 secs 70 pps	RF72LQ	NZART	ZL1BAD
21317	10	2015	02	18	<0405>	0405	P0N		?	Unid	OTHR 4 secs every 30 secs 70 pps	RF72LQ	NZART	ZL1BAD
21325	10	2015	02	28	<0340>	0340	P0N		?	Unid	OTHR 3.8 secs every 30 secs 70 pps	RF72LQ	NZART	ZL1BAD
21330	10	2015	02	12	<0715>	0715	P0N		?	Unid	OTHR 6 secs every 35 secs 50 pps	RF72LQ	NZART	ZL1BAD
21336	332	2015	02	07	<0720>	0720	P0N	330	?	Unid	OTHR S9+10 61 pps five second bursts widespread spectrum	RF73MF	NZART	ZL1GWE
21336	10	2015	02	17	<0355>	0355-0705	P0N		?	Unid	OTHR 4 secs every 35 secs 70 pps	RF72LQ	NZART	ZL1BAD
21345	10	2015	02	20	<0120>	0120	P0N		?	Unid	OTHR 5 secs every 30 secs OTHR 50 pps	RF72LQ	NZART	ZL1BAD
21353	10	2015	02	28	<0400>	0400	P0N		?	Unid	OTHR 4 secs every 30 secs 70 pps	RF72LQ	NZART	ZL1BAD
21355	10	2015	02	13	<0340>	0340	P0N		?	Unid	OTHR 5 secs every 30 secs OTHR 50 pps	RF72LQ	NZART	ZL1BAD
21360	10	2015	02	10	<0725>	0725	P0N		?	Unid	OTHR 3.8 secs every 30 secs 70 pps	RF72LQ	NZART	ZL1BAD
21365	160	2015	02	16	<0355>	0355-0415	P0N		?	Unid	OTHR 45 secs on 45 secs off 10 pps	RF72LQ	NZART	ZL1BAD
21370	20	2015	02	21	<0544>	0544	P0N	330	CYP	Unid	OTHR tuned up as N0N and then 50 pps S6 continuous Cyprus	RF73MF	NZART	ZL1GWE
21372	10	2015	02	19	<0640>	0640	P0N		?	Unid	OTHR 3.8 secs every 30 secs 70 pps	RF72LQ	NZART	ZL1BAD
21379.0	10	2015	2	17	0400>		P0N				100pps operating in tandem with 21142 & 21264	QF22md	WIA	VK3MV
21379		2015	02	21	<0800>	0800	P0N		?	Unid	OTHR coming up and down across 15 metre band 10 pps continuous	RE68XL	NZART	ZL2TZE
21380.0	20	2015	2	2	0820		P0N				OTHR, BURSTS	QG52xi	WIA	VK4TJ
21380	10	2015	02	19	<0010>	0010	P0N		?	Unid	OTHR 5 secs every 30 secs OTHR 50 pps	RF72LQ	NZART	ZL1BAD
21382	10	2015	02	18	<0410>	0410	P0N		?	Unid	OTHR 3.8 secs every 30 secs 70 pps	RF72LQ	NZART	ZL1BAD

21385	10	2015	02	02	<0212>	0212	P0N	?	Unid	OTHR 5 every 10 secs (closed @ 02105)	RF72LQ	NZART	ZL1BAD
21385	10	2015	02	03	<0645>	0645	P0N	?	Unid	OTHR ! Sec every 30 secs 90 pps	RF72LQ	NZART	ZL1BAD
21386	10	2015	02	10	<0725>	0725	P0N	?	Unid	OTHR 5 every 30 secs OTHR 50 pps	RF72LQ	NZART	ZL1BAD
21405	10	2015	02	28	<0650>	0650	P0N	?	Unid	OTHR 4 secs every 25 secs 40 pps	RF72LQ	NZART	ZL1BAD
21420	10	2015	02	03	<0555>	0555	P0N	?	Unid	OTHR 3 secs every 20 secs 50 pps	RF72LQ	NZART	ZL1BAD
21421	10	2015	02	19	<0505>	0505	P0N	?	Unid	OTHR 5 secs every 30 secs OTHR 50 pps	RF72LQ	NZART	ZL1BAD
21422	10	2015	02	07	<0215>	0215	P0N	?	Unid	OTHR 3.8 every 40 secs 70 pps	RF72LQ	NZART	ZL1BAD
21425	10	2015	02	03	<0435>	0435	P0N	?	Unid	OTHR 1 sec every 30 secs 90 pps	RF72LQ	NZART	ZL1BAD
21430	10	2015	02	28	<0340>	0340	P0N	?	Unid	OTHR 3.8 secs every 30 secs 70 pps	RF72LQ	NZART	ZL1BAD
21435	10	2015	02	04	<0505>	0505-0509	P0N	?	Unid	OTHR 2.5 secs with 3.5 secs in between 50 pps (shifted to 20975 @ 0509)	RF72LQ	NZART	ZL1BAD
21435.7	3	2015	2	6	0820		J3E/U	PHL		TAGALOG	QG52xi	WIA	VK4TJ
21440	10	2015	02	03	<0555>	0555	P0N	?	Unid	OTHR 2 Secs every 20 secs 70 pps	RF72LQ	NZART	ZL1BAD
24899		2015	02	15	<0009>	0009	N0N	?	Unid	Carrier with series of 3 x bleep then 1 x bleep S9	RE68XL	NZART	ZL2TZE
24900.0	20	2015	2	6	0755		P0N			OTHR, BURSTS	QG52xi	WIA	VK4TJ
24900		2015	02	DY	HX	HX	G7DE/F	?	Unid	HF Man Pack 1, 6 & 8 PSK	RF72LQ	NZART	ZL1BAD
24900	10	2015	02	10	<0715>	0715	P0N	?	Unid	OTHR Closed @ 0715	RF72LQ	NZART	ZL1BAD
24915	10	2015	02	07	<0255>	0255	P0N	?	Unid	OTHR 5 secs every 40 secs OTHR 50 pps	RF72LQ	NZART	ZL1BAD
24946	10	2015	02	17	<2250>	2250	P0N	?	Unid	HFSWR for 30 secs. 7 pps	RF72LQ	NZART	ZL1BAD
24955.0	6	2015	2	1	0305		A3E			ASIAN	QG52xi	WIA	VK4TJ
24960	10	2015	02	03	<0400>	0400	P0N	?	Unid	OTHR 2 Secs every 30 secs 70 pps	RF72LQ	NZART	ZL1BAD
24960		2015	02	15	<0200>	0200	N0N	?	Unid	Carrier with series of 3 x bleep then 1 x bleep and 3x3 with 2 x Bleep sequence	RE68XL	NZART	ZL2TZE
24962.5	6	2015	2	2	0815		A3E			ASIAN	QG52xi	WIA	VK4TJ
24970	20	2015	02	12	<0510>	0510	P0N	?	Unid	OTHR Continuous 50 pps	RF72LQ	NZART	ZL1BAD
24980	10	2015	02	03	<0450>	0450	P0N	?	Unid	OTHR 1.8 secs every 30 secs 70 pps	RF72LQ	NZART	ZL1BAD
28000.0	6	2015	2	1	0305		A3E			ASIAN	QG52xi	WIA	VK4TJ
28000		2015	02	DY	HX	HX	G7DE/F	?	Unid	HF Man Pack 1, 6 & 8 PSK	RF72LQ	NZART	ZL1BAD
28000		2015	02	DY	HX	HX	F3E/A3E	CHN	Unid	Chinese CB'ers every 5 K, when band is open	RF72LQ	NZART	ZL1BAD

28000	50	2015	02	05	<0255>	0255-0515	P0N		?	Unid	OTHR On multiple freqs throughout 10mx band	RF72LQ	NZART	ZL1BAD
28005.0	6	2015	2	1	0330		A3E				ASIAN	QG52xi	WIA	VK4TJ
28012.5	6	2015	2	1	0330		A3E				ASIAN	QG52xi	WIA	VK4TJ
28015.0	6	2015	2	1	0305		A3E				ASIAN	QG52xi	WIA	VK4TJ
28025.0	8	2015	2	1	0305		F3E				ASIAN	QG52xi	WIA	VK4TJ
28035.0	6	2015	2	1	0305		A3E				ASIAN	QG52xi	WIA	VK4TJ
28037.5	6	2015	2	5	0330		A3E				ASIAN	QG52xi	WIA	VK4TJ
28050.0	8	2015	2	1	0300		F3E				ASIAN	QG52xi	WIA	VK4TJ
28055.0	6	2015	2	1	0300		A3E				ASIAN	QG52xi	WIA	VK4TJ
28060.0	100	2015	2	5	0335		P0N		IRN		OTHR	QG52xi	WIA	VK4TJ
28062.5	8	2015	2	5	0420		F3E				ASIAN	QG52xi	WIA	VK4TJ
28065.0	6	2015	2	1	0340		A3E				SPANISH SPEAKERS	QG52xi	WIA	VK4TJ
28065.0	6	2015	2	1	0340		A3E				ASIAN	QG52xi	WIA	VK4TJ
28075.0	6	2015	2	1	0350		A3E				SPANISH SPEAKERS	QG52xi	WIA	VK4TJ
28075.0	8	2015	2	1	0300		F3E				ASIAN	QG52xi	WIA	VK4TJ
28085.0	6	2015	2	1	0300		A3E				ASIAN	QG52xi	WIA	VK4TJ
28085	20	2015	02	28	<0705>	0705	P0N		?	Unid	OTHR Continuous 50 pps	RF72LQ	NZART	ZL1BAD
28095		2015	02	06	<0400>	0400	A3E	330	CHN	Unid	Non Amateurs chatting S1 very clear noisy bunch Chinese	RF73MF	NZART	ZL1GWE
28100.0	8	2015	2	1	0405		F3E				ASIAN	QG52xi	WIA	VK4TJ
28105.0	6	2015	2	1	0405		A3E				ASIAN	QG52xi	WIA	VK4TJ
28112.5	6	2015	2	1	0405		A3E				ASIAN	QG52xi	WIA	VK4TJ
28115.0	6	2015	2	1	0300		A3E				ASIAN	QG52xi	WIA	VK4TJ
28125.0	8	2015	2	1	0300		F3E				ASIAN	QG52xi	WIA	VK4TJ
28135.0	6	2015	2	1	0405		A3E				ASIAN	QG52xi	WIA	VK4TJ
28137.5	6	2015	2	1	0410		A3E				ASIAN	QG52xi	WIA	VK4TJ
28145.0	6	2015	2	1	0300		A3E				ASIAN	QG52xi	WIA	VK4TJ
28150.0	8	2015	2	1	0300		F3E				ASIAN	QG52xi	WIA	VK4TJ
28155.0	6	2015	2	1	0300		A3E				ASIAN	QG52xi	WIA	VK4TJ
28175.0	8	2015	2	1	0210		F3E				ASIAN	QG52xi	WIA	VK4TJ
28185.0	8	2015	2	1	0300		F3E				ASIAN	QG52xi	WIA	VK4TJ
28187.5	6	2015	2	1	0410		A3E				ASIAN	QG52xi	WIA	VK4TJ
28195.0	6	2015	2	1	0300		A3E				ASIAN	QG52xi	WIA	VK4TJ
28200.0	8	2015	2	1	0300		F3E				ASIAN	QG52xi	WIA	VK4TJ
28200		2015	02	06	<0401>	0401	A3E	330	CHN	Unid	Non Amateurs chatting S1 very clear noisy bunch Chinese	RF73MF	NZART	ZL1GWE
28205.0	6	2015	2	1	0410		A3E				ASIAN	QG52xi	WIA	VK4TJ
28212.5	8	2015	2	1	0415		F3E				ASIAN	QG52xi	WIA	VK4TJ
28215.0	6	2015	2	1	0415		A3E				ASIAN	QG52xi	WIA	VK4TJ
28215	10	2015	02	19	<0715>	0715	P0N		?	Unid	OTHR 3.8 secs every 30 secs	RF72LQ	NZART	ZL1BAD
28225.0	8	2015	2	1	0300		F3E				ASIAN	QG52xi	WIA	VK4TJ
28235.0	6	2015	2	1	0300		A3E				ASIAN	QG52xi	WIA	VK4TJ

28237.5	6	2015	2	1	0415		A3E				ASIAN	QG52xi	WIA	VK4TJ
28239	60	2015	02	28	<0626>	0626	P0N	330	IRN	Unid	OTHR Iranian S3 306/860 pps continuous	RF73MF	NZART	ZL1GWE
28245.0	6	2015	2	1	0415		A3E				ASIAN	QG52xi	WIA	VK4TJ
28250.0	8	2015	2	1	0300		F3E				ASIAN	QG52xi	WIA	VK4TJ
28255.0	6	2015	2	1	0300		A3E				ASIAN	QG52xi	WIA	VK4TJ
28262.5	6	2015	2	1	0415		A3E				ASIAN	QG52xi	WIA	VK4TJ
28265.0	6	2015	2	1	0300		A3E				ASIAN	QG52xi	WIA	VK4TJ
28268.4	82.8	2015	02	21	<0605>	0605	P0N	330	IEN	Unid	OTHR Iranian S2 307/870 PPS alternating VK4RTL Beacon in the middle A1A	RF73MF	NZART	ZL1GWE
28270	50	2015	02	14	<0410>	0410-0700	P0N		IRN	OTHR	OTHR Iranian 2 tones - Continuous	RF72LQ	NZART	ZL1BAD
28270	50	2015	02	15	<0340>	0340-0625	P0N		IRN	OTHR	OTHR Iranian 2 tones - Continuous	RF72LQ	NZART	ZL1BAD
28270	50	2015	02	17	<0420>	0420-0720	P0N		IRN	OTHR	OTHR Iranian 2 tones - Continuous	RF72LQ	NZART	ZL1BAD
28270	50	2015	02	19	<0300>	0300-0715	P0N		IRN	OTHR	OTHR Iranian 2 tones - Continuous	RF72LQ	NZART	ZL1BAD
28270	50	2015	02	20	<0330>	0330-0845	P0N		IRN	OTHR	OTHR Iranian 2 tones - Continuous	RF72LQ	NZART	ZL1BAD
28270	50	2015	02	21	<0410>	0410	P0N		IRN	OTHR	OTHR Iranian 2 tones - Continuous	RF72LQ	NZART	ZL1BAD
28275.0	8	2015	2	1	0300		F3E				ASIAN	QG52xi	WIA	VK4TJ
28280.0	8	2015	2	1	0415		F3E				ASIAN	QG52xi	WIA	VK4TJ
28285.0	6	2015	2	1	0420		A3E				ASIAN	QG52xi	WIA	VK4TJ
28287.5	6	2015	2	1	0420		A3E				ASIAN	QG52xi	WIA	VK4TJ
28295.0	6	2015	2	1	0420		A3E				ASIAN	QG52xi	WIA	VK4TJ
28300.0	8	2015	2	1	0210		F3E				ASIAN	QG52xi	WIA	VK4TJ
28305.0	6	2015	2	1	0300		A3E				ASIAN, SOUNDS CHINESE	QG52xi	WIA	VK4TJ
28315.0	6	2015	2	1	0420		A3E				ASIAN	QG52xi	WIA	VK4TJ
28325.0	8	2015	2	1	0210		F3E				ASIAN	QG52xi	WIA	VK4TJ
28335.0	6	2015	2	1	0255		A3E				ASIAN	QG52xi	WIA	VK4TJ
28337.5	6	2015	2	1	0425		A3E				ASIAN	QG52xi	WIA	VK4TJ
28340.0	6	2015	2	1	0425		A3E				ASIAN	QG52xi	WIA	VK4TJ
28350.0	8	2015	2	1	0210		F3E				ASIAN	QG52xi	WIA	VK4TJ
28350		2015	02	06	<0402>	0402	A3E	330	CHN	Unid	Non Amateurs chatting S1 very clear noisy bunch Chinese	RF73MF	NZART	ZL1GWE
28355.0	6	2015	2	1	0425		A3E				ASIAN	QG52xi	WIA	VK4TJ
28362.5	6	2015	2	7	0525		A3E				ASIAN	QG52xi	WIA	VK4TJ
28365.0	6	2015	2	1	0210		A3E				ASIAN	QG52xi	WIA	VK4TJ
28375.0	8	2015	2	1	0210		F3E				ASIAN	QG52xi	WIA	VK4TJ
28385.0	6	2015	2	1	0425		A3E				ASIAN	QG52xi	WIA	VK4TJ
28387.5	8	2015	2	5	0515		F3E				ASIAN	QG52xi	WIA	VK4TJ
28400.0	8	2015	2	4	0545		F3E				ASIAN	QG52xi	WIA	VK4TJ
28405.0	6	2015	2	1	0440		A3E				ASIAN	QG52xi	WIA	VK4TJ

28412.5	8	2015	2	2	0125	F3E					ASIAN	QG52xi	WIA	VK4TJ	
28415.0	6	2015	2	1	0255	A3E					ASIAN	QG52xi	WIA	VK4TJ	
28425.0	8	2015	2	1	0210	F3E					ASIAN	QG52xi	WIA	VK4TJ	
28435.0	6	2015	2	1	0255	A3E					ASIAN	QG52xi	WIA	VK4TJ	
28437.5	6	2015	2	1	0255	A3E					ASIAN	QG52xi	WIA	VK4TJ	
28445.0	6	2015	2	1	0450	A3E					ASIAN	QG52xi	WIA	VK4TJ	
28450.0	6	2015	2	1	0255	A3E					ASIAN	QG52xi	WIA	VK4TJ	
28450		2015	02	06	<0403>	0403	A3E		330	CHN	Unid	Non Amateurs Chatting S1 Chinese	RF73MF	NZART	ZL1GWE
28455.0	6	2015	2	1	0450	A3E						ASIAN	QG52xi	WIA	VK4TJ
28462.5	6	2015	2	1	0500	A3E						ASIAN	QG52xi	WIA	VK4TJ
28465.0	6	2015	2	1	0455	A3E						ASIAN	QG52xi	WIA	VK4TJ
28475.0	8	2015	2	1	0500	F3E						ASIAN	QG52xi	WIA	VK4TJ
28485.0	6	2015	2	1	0255	A3E						ASIAN	QG52xi	WIA	VK4TJ
28487.5	6	2015	2	5	0520	A3E						ASIAN	QG52xi	WIA	VK4TJ
28500.0	8	2015	2	5	0530	F3E						ASIAN	QG52xi	WIA	VK4TJ
28505.0	6	2015	2	1	0255	A3E						ASIAN	QG52xi	WIA	VK4TJ
28512.5	6	2015	2	5	0530	A3E						ASIAN	QG52xi	WIA	VK4TJ
28515.0	6	2015	2	1	0520	A3E						ASIAN	QG52xi	WIA	VK4TJ
28525.0	8	2015	2	1	0255	F3E						ASIAN	QG52xi	WIA	VK4TJ
28530.0	2	2015	2	5	0535	G7DF						MANPACK RADIO	QG52xi	WIA	VK4TJ
28535.0	6	2015	2	1	0210	A3E						ASIAN	QG52xi	WIA	VK4TJ
28537.5	6	2015	2	2	0130	A3E						ASIAN	QG52xi	WIA	VK4TJ
28550.0	8	2015	2	2	0130	F3E						ASIAN	QG52xi	WIA	VK4TJ
28555.0	6	2015	2	1	0545	A3E						ASIAN	QG52xi	WIA	VK4TJ
28565.0	6	2015	2	1	0545	A3E						ASIAN	QG52xi	WIA	VK4TJ
28570		2015	02	06	<0404>	0404	A3E		330	CHN	Unid	Non Amateurs Chatting S1 Chinese	RF73MF	NZART	ZL1GWE
28575.0	8	2015	2	1	0210	F3E						ASIAN	QG52xi	WIA	VK4TJ
28580.0	100	2015	2	4	0445	P0N				IRN		OTHR	QG52xi	WIA	VK4TJ
28585.0	6	2015	2	1	0545	A3E						ASIAN	QG52xi	WIA	VK4TJ
28587.5	8	2015	2	1	0550	F3E						ASIAN	QG52xi	WIA	VK4TJ
28595.0	6	2015	2	1	0210	A3E						ASIAN	QG52xi	WIA	VK4TJ
28600.0	8	2015	2	1	0555	F3E						ASIAN	QG52xi	WIA	VK4TJ
28600	50	2015	02	03	<0350>	0350-0620	P0N			?	Unid	OTHR Iranian 2 tones 870 & 370 pps ("Fade In" @ 0315)	RF72LQ	NZART	ZL1BAD
28600	50	2015	02	04	<0615>	0615	P0N			?	Unid	OTHR Iranian 2 tones 870 & 370 pps ("Fade In" @ 0315)	RF72LQ	NZART	ZL1BAD
28605.0	6	2015	2	1	0255	A3E						ASIAN	QG52xi	WIA	VK4TJ
28615.0	6	2015	2	1	0555	A3E						ASIAN	QG52xi	WIA	VK4TJ
28620.0	100	2015	2	2	0800	P0N				IRN		OTHR	QG52xi	WIA	VK4TJ
28625.0	8	2015	2	1	0210	F3E						ASIAN	QG52xi	WIA	VK4TJ
28630	50	2015	02	01	<0250>	0250-0710	P0N			IRN	OTHR	OTHR Iranian 2 tones 870 & 370 pps	RF72LQ	NZART	ZL1BAD

28630	50	2015	02	02	<0325>	0325-0705	P0N		IRN	OTHR	OTHR Iranian 2 tones 870 & 370 pps ("Fade In" @ 0315)	RF72LQ	NZART	ZL1BAD	
28635.0	6	2015	2	3	0030		A3E				ASIAN	QG52xi	WIA	VK4TJ	
28637.5	6	2015	2	7	0500		A3E				ASIAN	QG52xi	WIA	VK4TJ	
28640.0	100	2015	2	1	0250		P0N		IRN		OTHR	QG52xi	WIA	VK4TJ	
28645.0	6	2015	2	1	0600		A3E				ASIAN	QG52xi	WIA	VK4TJ	
28650.0	8	2015	2	1	0600		F3E				ASIAN	QG52xi	WIA	VK4TJ	
28655.0	6	2015	2	1	0250		A3E				ASIAN	QG52xi	WIA	VK4TJ	
28662.5	6	2015	2	1	0600		A3E				ASIAN	QG52xi	WIA	VK4TJ	
28665.0	6	2015	2	1	0250		A3E				ASIAN	QG52xi	WIA	VK4TJ	
28675.0	8	2015	2	1	0600		F3E				ASIAN	QG52xi	WIA	VK4TJ	
28685.0	6	2015	2	1	0210		A3E				ASIAN	QG52xi	WIA	VK4TJ	
28687.5	6	2015	2	1	0250		A3E				ASIAN	QG52xi	WIA	VK4TJ	
28695.0	2	2015	2	5	0555		G7DF				MANPACK RADIO	QG52xi	WIA	VK4TJ	
28695.0	6	2015	2	1	0605		A3E				ASIAN	QG52xi	WIA	VK4TJ	
28700.0	6	2015	2	1	0610		A3E				ASIAN	QG52xi	WIA	VK4TJ	
28705.0	8	2015	2	1	0610		F3E				ASIAN	QG52xi	WIA	VK4TJ	
28715.0	6	2015	2	1	0215		A3E				ASIAN	QG52xi	WIA	VK4TJ	
28725.0	8	2015	2	1	0215		F3E				ASIAN	QG52xi	WIA	VK4TJ	
28725		2015	02	06	<0405>	0405	A3E		330	CHN	Unid	Non Amateurs Chatting S1 Chinese	RF73MF	NZART	ZL1GWE
28735.0	6	2015	2	1	0250		A3E				ASIAN	QG52xi	WIA	VK4TJ	
28737.5	6	2015	2	4	0420		A3E				ASIAN	QG52xi	WIA	VK4TJ	
28740.0	6	2015	2	1	0620		A3E				ASIAN	QG52xi	WIA	VK4TJ	
28745.0	6	2015	2	1	0620		A3E				ASIAN	QG52xi	WIA	VK4TJ	
28750.0	8	2015	2	1	0215		F3E				ASIAN	QG52xi	WIA	VK4TJ	
28750		2015	02	06	<0406>	0406	A3E		330	CHN	Unid	Non Amateurs Chatting S1 Chinese	RF73MF	NZART	ZL1GWE
28755.0	6	2015	2	1	0620		A3E				ASIAN	QG52xi	WIA	VK4TJ	
28765.0	6	2015	2	2	0745		A3E				ASIAN	QG52xi	WIA	VK4TJ	
28775.0	8	2015	2	1	0635		F3E				ASIAN	QG52xi	WIA	VK4TJ	
28785.0	6	2015	2	2	0740		A3E				ASIAN	QG52xi	WIA	VK4TJ	
28787.5	8	2015	2	1	0645		F3E				ASIAN	QG52xi	WIA	VK4TJ	
28800.0	8	2015	2	1	0650		F3E				ASIAN	QG52xi	WIA	VK4TJ	
28805.0	6	2015	2	1	0650		A3E				ASIAN	QG52xi	WIA	VK4TJ	
28812.5	6	2015	2	3	0035		A3E				ASIAN	QG52xi	WIA	VK4TJ	
28815.0	6	2015	2	1	0655		A3E				ASIAN	QG52xi	WIA	VK4TJ	
28825.0	8	2015	2	1	0655		F3E				ASIAN	QG52xi	WIA	VK4TJ	
28835.0	6	2015	2	2	0730		A3E				ASIAN	QG52xi	WIA	VK4TJ	
28837.5	8	2015	2	1	0705		F3E				ASIAN	QG52xi	WIA	VK4TJ	
28850.0	8	2015	2	1	0715		F3E				ASIAN	QG52xi	WIA	VK4TJ	
28862.5	8	2015	2	1	0250		F3E				ASIAN	QG52xi	WIA	VK4TJ	
28870.0	6	2015	2	1	0250		A3E				ASIAN	QG52xi	WIA	VK4TJ	
28875.0	8	2015	2	1	0215		F3E				ASIAN	QG52xi	WIA	VK4TJ	
28887.5	8	2015	2	1	0215		F3E				ASIAN	QG52xi	WIA	VK4TJ	

28900.0	8	2015	2	1	0250		F3E				ASIAN	QG52xi	WIA	VK4TJ
28912.5	6	2015	2	1	0815		A3E				ASIAN	QG52xi	WIA	VK4TJ
28915.0	6	2015	2	1	0250		A3E				ASIAN	QG52xi	WIA	VK4TJ
28925.0	8	2015	2	1	0250		F3E				ASIAN	QG52xi	WIA	VK4TJ
28935.0	6	2015	2	2	0700		A3E				ASIAN	QG52xi	WIA	VK4TJ
28937.5	6	2015	2	1	0815		A3E				ASIAN	QG52xi	WIA	VK4TJ
28945.0	2	2015	2	2	0135		G7DF				MANPACK RADIO	QG52xi	WIA	VK4TJ
28950.0	8	2015	2	1	0820		F3E				ASIAN	QG52xi	WIA	VK4TJ
28955.0	6	2015	2	2	0650		A3E				ASIAN	QG52xi	WIA	VK4TJ
28962.5	8	2015	2	1	0215		F3E				ASIAN	QG52xi	WIA	VK4TJ
28965.0	6	2015	2	7	0430		A3E				ASIAN	QG52xi	WIA	VK4TJ
28975.0	8	2015	2	1	0245		F3E				ASIAN	QG52xi	WIA	VK4TJ
28980.0	6	2015	2	6	0610		A3E				ASIAN	QG52xi	WIA	VK4TJ
28987.5	8	2015	2	6	0605		F3E				ASIAN	QG52xi	WIA	VK4TJ
29000.0	8	2015	2	1	0855		F3E				ASIAN	QG52xi	WIA	VK4TJ
29000		2015	02	06	<0407	<0407	A3E	330	CHN	Unid	Non Amateurs Chatting S1 Chinese	RF73MF	NZART	ZL1GWE
29000	20	2015	02	14	<0600>	0600	P0N	330	CYP	Unid	OTHR 50 pps S4-S5 Continuous Cyprus calling	RF73MF	NZART	ZL1GWE
29005.0	6	2015	2	2	0625		A3E				ASIAN	QG52xi	WIA	VK4TJ
29012.5	8	2015	2	2	0620		F3E				ASIAN	QG52xi	WIA	VK4TJ
29015.0	6	2015	2	1	0855		A3E				ASIAN	QG52xi	WIA	VK4TJ
29025.0	8	2015	2	1	0215		F3E				ASIAN	QG52xi	WIA	VK4TJ
29025		2015	02	21	<060>	0601	F3E	330	CHN	Unid	Non Amateurs S4 FM Chatting S4 Chinese	RF73Mf	NZART	ZL1GWE
29037.5	8	2015	2	2	0615		F3E				ASIAN	QG52xi	WIA	VK4TJ
29045.0	6	2015	2	2	0615		A3E				ASIAN	QG52xi	WIA	VK4TJ
29050.0	8	2015	2	1	0245		F3E				ASIAN	QG52xi	WIA	VK4TJ
29050		2015	02	21	<0557>	0557	F3E	330	CHN	Unid	Non Amateurs Chatting S3-S4 Chinese	RF73MF	NZART	ZL1GWE
29062.5	8	2015	2	1	0930		F3E				ASIAN	QG52xi	WIA	VK4TJ
29075.0	8	2015	2	2	0600		F3E				ASIAN	QG52xi	WIA	VK4TJ
29085.0	6	2015	2	6	0910		A3E				ASIAN	QG52xi	WIA	VK4TJ
29087.5	6	2015	2	2	0600		A3E				ASIAN	QG52xi	WIA	VK4TJ
29095.0	6	2015	2	6	0540		A3E				ASIAN	QG52xi	WIA	VK4TJ
29100.0	8	2015	2	1	0215		F3E				ASIAN	QG52xi	WIA	VK4TJ
29105.0	6	2015	2	6	0540		A3E				ASIAN	QG52xi	WIA	VK4TJ
29112.5	6	2015	2	2	0545		A3E				ASIAN	QG52xi	WIA	VK4TJ
29125.0	8	2015	2	2	0545		F3E				ASIAN	QG52xi	WIA	VK4TJ
29125		2015	02	06	<0533>	0533	F3E	330	CHN	Unid	Non Amateurs Chatting S2 Chinese	RF73MF	NZART	ZL1GWE
29129.5	121	2015	02	01	<0430>	0430-0700	P0N	330	IRN	Unid	OTHR Iranian 870 pps and 307 pps S3 at maximum continuous	RF73MF	NZART	ZL1GWE
29137.5	6	2015	2	2	0540		A3E				ASIAN	QG52xi	WIA	VK4TJ
29150.0	8	2015	2	2	0540		F3E				ASIAN	QG52xi	WIA	VK4TJ

29162.5	8	2015	2	1	0215		F3E				ASIAN	QG52xi	WIA	VK4TJ
29165.0	6	2015	2	6	0145		A3E				ASIAN	QG52xi	WIA	VK4TJ
29175.0	8	2015	2	1	0215		F3E				ASIAN	QG52xi	WIA	VK4TJ
29175		2015	02	06	<0528>	0528	F3E	330	CHN	Unid	Non Amateurs Chatting S2 Chinese	RF73MF	NZART	ZL1GWE
29185.0	6	2015	2	6	0145		A3E				ASIAN	QG52xi	WIA	VK4TJ
29187.5	8	2015	2	4	0340		F3E				ASIAN	QG52xi	WIA	VK4TJ
29187.5		2015	02	06	<0530>	0530	F3E	330	CHN	Unid	Non Amateurs Chatting S2 Chinese	RF73MF	NZART	ZL1GWE
29200.0	6	2015	2	1	0215		A3E				ASIAN	QG52xi	WIA	VK4TJ
29205.0	6	2015	2	1	0245		A3E				ASIAN	QG52xi	WIA	VK4TJ
29212.5	8	2015	2	1	0245		F3E				ASIAN	QG52xi	WIA	VK4TJ
29215.0	6	2015	2	2	0140		A3E				ASIAN	QG52xi	WIA	VK4TJ
29225.0	8	2015	2	1	0215		F3E				ASIAN	QG52xi	WIA	VK4TJ
29235.0	6	2015	2	3	0040		A3E				ASIAN	QG52xi	WIA	VK4TJ
29237.5	6	2015	2	1	0215		A3E				ASIAN	QG52xi	WIA	VK4TJ
29250.0	6	2015	2	2	0140		A3E				ASIAN	QG52xi	WIA	VK4TJ
29250		2015	02	06	<0532>	0532	F3E	330	CHN	Unid	Non Amateurs Chatting Fishing vessels S5 Chinese	RF73MF	NZART	ZL1GWE
29262.5	8	2015	2	2	0520		F3E				ASIAN	QG52xi	WIA	VK4TJ
29275.0	8	2015	2	1	0240		F3E				ASIAN	QG52xi	WIA	VK4TJ
29280		2015	02	21	<0645>	0645	F3E	330	CHN	Unid	Non Amateurs S4 FM Chatting S4 Chinese	RF73MF	NZART	ZL1GWE
29287.5	8	2015	2	6	0130		F3E				ASIAN	QG52xi	WIA	VK4TJ
29300.0	6	2015	2	1	0215		A3E				ASIAN	QG52xi	WIA	VK4TJ
29312.5	6	2015	2	1	0215		A3E				ASIAN	QG52xi	WIA	VK4TJ
29325.0	8	2015	2	2	0140		F3E				ASIAN	QG52xi	WIA	VK4TJ
29330.0	2	2015	2	6	0130		G7DF				MANPACK RADIO	QG52xi	WIA	VK4TJ
29330	20	2015	02	21	<0609>	0609-0645	P0N	330	CYP	Unid	OTHR Cyprus 25 PPS S3 chattering, continuous signal	RF73MF	NZART	ZL1GWE
29337.5	8	2015	2	2	0505		F3E				ASIAN	QG52xi	WIA	VK4TJ
29350.0	6	2015	2	1	0215		A3E				ASIAN	QG52xi	WIA	VK4TJ
29362.5	8	2015	2	2	0140		F3E				ASIAN	QG52xi	WIA	VK4TJ
29365.0	6	2015	2	2	0400		A3E				ASIAN	QG52xi	WIA	VK4TJ
29375.0	8	2015	2	2	0140		F3E				ASIAN	QG52xi	WIA	VK4TJ
29387.5	8	2015	2	1	0220		F3E				ASIAN	QG52xi	WIA	VK4TJ
29400.0	6	2015	2	1	0220		A3E				ASIAN	QG52xi	WIA	VK4TJ
29405.0	6	2015	2	2	0355		A3E				ASIAN	QG52xi	WIA	VK4TJ
29412.5	6	2015	2	6	0120		A3E				ASIAN	QG52xi	WIA	VK4TJ
29425.0	8	2015	2	1	0240		F3E				ASIAN	QG52xi	WIA	VK4TJ
29437.5	8	2015	2	1	0220		F3E				ASIAN	QG52xi	WIA	VK4TJ
29450.0	8	2015	2	1	0220		F3E				ASIAN	QG52xi	WIA	VK4TJ
29455.0	6	2015	2	2	0320		A3E				ASIAN	QG52xi	WIA	VK4TJ
29462.5	8	2015	2	2	0320		F3E				ASIAN	QG52xi	WIA	VK4TJ
29465	20	2015	02	28	<0617>	0617	P0N	330	CYP	Unid	OTHR Cyprus S7 50 PPS	RF73MF	NZART	ZL1GWE

29475.0	8	2015	2	2	0308		F3E				Continuous				
29477		2015	02	07	<0653>	0653	g7df				ASIAN	QG52xi	WIA	VK4TJ	
29487.5	8	2015	2	1	0220		F3E	330	?	Unid	HF Man Pack 8PSK S1	RF73MF	NZART	ZL1GWE	
29500.0	8	2015	2	1	0220		F3E				ASIAN	QG52xi	WIA	VK4TJ	
29500		2015	02	21	<0558>	0558	F3E	330	CHN	Unid	Non Amateurs S4 FM Chatting S4 Chinese	RF73MF	NZART	ZL1GWE	
29512.5	8	2015	2	2	0305		F3E				ASIAN	QG52xi	WIA	VK4TJ	
29515.0	6	2015	2	5	2350		A3E				ASIAN	QG52xi	WIA	VK4TJ	
29525.0	8	2015	2	1	0220		F3E				ASIAN	QG52xi	WIA	VK4TJ	
29537.5	6	2015	2	2	0255		A3E				ASIAN	QG52xi	WIA	VK4TJ	
29550.0	6	2015	2	1	0235		A3E				ASIAN	QG52xi	WIA	VK4TJ	
29555.0	6	2015	2	5	2350		A3E				ASIAN	QG52xi	WIA	VK4TJ	
29562.5	6	2015	2	1	0220		A3E				ASIAN	QG52xi	WIA	VK4TJ	
29565.0	6	2015	2	6	0110		A3E				ASIAN	QG52xi	WIA	VK4TJ	
29575.0	8	2015	2	1	0230		F3E				ASIAN	QG52xi	WIA	VK4TJ	
29587.5	6	2015	2	4	0305		A3E				ASIAN	QG52xi	WIA	VK4TJ	
29594	20	2015	02	07	<0525>	0525	P0N	330	CYP	Unid	OTHR Cyprus 25 PPS S3 chattering, continuous signal S4	RF73MF	NZART	ZL1GWE	
29595.0	6	2015	2	1	0230		A3E				ASIAN	QG52xi	WIA	VK4TJ	
29600.0	6	2015	2	1	0230		A3E				ASIAN	QG52xi	WIA	VK4TJ	
29612.5	6	2015	2	1	0230		A3E				ASIAN	QG52xi	WIA	VK4TJ	
29625.0	8	2015	2	1	0225		F3E				ASIAN	QG52xi	WIA	VK4TJ	
29635.0	6	2015	2	6	0040		A3E				ASIAN	QG52xi	WIA	VK4TJ	
29645.0	8	2015	2	1	0220		F3E				ASIAN	QG52xi	WIA	VK4TJ	
29650.0	8	2015	2	1	0220		F3E				ASIAN	QG52xi	WIA	VK4TJ	
29662.5	8	2015	2	1	0220		F3E				ASIAN	QG52xi	WIA	VK4TJ	
29675.0	8	2015	2	1	0220		F3E				ASIAN	QG52xi	WIA	VK4TJ	
29687.5	8	2015	2	1	0220		F3E				ASIAN	QG52xi	WIA	VK4TJ	
29700.0	8	2015	2	1	0220		F3E				ASIAN	QG52xi	WIA	VK4TJ	