



INTERNATIONAL AMATEUR RADIO
UNION

REGION THREE

MONITORING SYSTEM NEWS LETTER



April 2017

Titon Dutono, YB3PET

Reports for April 2017 were received from the JARL, NZART and WIA

For period of 2017 April there were 83 observations from JARL, 20 observations from NZART, and also there were 547 observations from WIA. By this month sampling, there were total 650 observations of intruders made across the Region.

The most prominent intruders are as in the following table,

No.	Band	Class Emission	Administration	Description
1.	40m	AIA	RUS	Beacon
		G7D	RUS	Russian AT3004D modem S4 continuous with guard band
		PXX	UNID	OTHR
		A1A	UNID	Dits Jamming signal
		PXX	unknown	unknown pulse only JM or PXX
		J3E	INS	Indonesian language
		A1A	UNID	DITS – JAMMING SIGNAL
		VXX	UNID	CODAR
		PON	UNID	OTHR
3.	20m	PXX	UNID	OTHR
		PON	UNID	OTHR, BURSTS, SLOW PULSE RATE
4.	15m	PON	UNID	OTHR bursts
		J3E/L	INS	3RD HARMONIC OF YB INTRUDER
5.	12m	VXX	UNID	CODAR
6.	10m	A3E	UNID	Asian country
		F3E	UNID	Asian country

Further, 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 the monitoring coordinator, if you don't have a national monitoring coordinator.

For those who would like a CSV file of data please email me at: titondutono@gmail.com

Just a reminder that reports should be sent to the Monitoring Coordinator by the 14th day of each month.

Thanks for your support.

Titon YB3PET

Attachment of Data Report

JARL: 83 observations

kHz	BW	YYYY	MM	DD	UTC	Emm	Bd	Sft	Hdg	ADM	ID		Grid	Society
3495.0	0.5	2017	04	11	#REF!	A1A						train of "I"	PM84XT	JARL
3500.0	0.5	2017	04	11	#REF!	A1A						train of "I"	PM84XT	JARL
3503.0	0.5	2017	04	11	#REF!	A1A						train of "I"	PM84XT	JARL
3506.0	0.5	2017	04	11	12:30	A1A						train of "I"	PM84XT	JARL
3508.0	0.5	2017	04	11	12:30	A1A						train of "I"	PM84XT	JARL
3533.0	0.5	2017	04	04	12:14	A1A						Signal of rhythm	PM84XT	JARL
3533.0	0.5	2017	04	25	12:12	A1A						Signal of rhythm	PM84XT	JARL
3540.0	5.0	2017	04	04	12:15	Jamming						Signal RS:59	PM84XT	JARL
3546.0	0.5	2017	04	18	12:12	A1A						79T024T03605I7t24684T04125354T06K	PM84XT	JARL
3546.0	0.5	2017	04	18	12:30	A1A						T700T700TVVV 6LVLV LV6	PM84XT	JARL
3548.6	3.0	2017	04	25	12:15	A1A						VVV 8ZK...	PM84XT	JARL
7000.0	3.0	2017	04	04	12:16	J3E/L						Language:Tagalog.With no Call	PM84XT	JARL
7039	0.5	2017	04	04	1120	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	04	1210	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	04	1420	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	12	1110	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	12	1204	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	12	1310	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	12	1502	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	12	1710	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	13	1120	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	13	1202	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	13	1302	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	13	1404	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	13	1500	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	13	1710	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	14	1124	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	14	1204	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	14	1310	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	14	1410	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	14	1500	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	14	1610	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	14	1720	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	15	1120	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	15	1210	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	15	1304	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	15	1402	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	15	1530	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	17	1120	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	17	1202	A1A			15	RUS	M--signal	Beacon	PM 97	JARL

7039	0.5	2017	04	17	1310	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	17	1410	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	17	1504	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	17	1710	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	18	1220	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	18	1310	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	18	1410	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	18	1520	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	18	1610	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	18	1720	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	19	1130	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	19	1200	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	19	1300	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	19	1410	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	19	1520	A1A			15	non	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	19	1810	A1A			15	non	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	22	1110	A1A			321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	22	1202	A1A			321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	22	1310	A1A			321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	24	1120	A1A			321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	24	1210	A1A			321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	24	1310	A1A			321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	24	1420	A1A			321	RUS	F--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	25	1130	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	25	1210	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	25	1320	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	25	1410	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	30	1110	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	30	1204	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	30	1302	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	04	30	1410	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7040	2	2017	04	20	1120	PXX			non	non	M--signal	unkown puls only PXX	PM 97	JARL
7040	2	2017	04	20	1210	PXX			non	non	non	unkown puls only PXX	PM 97	JARL
7040	2	2017	04	20	1304	PXX			non	non	non	unkown puls only PXX	PM 97	JARL
7040	2	2017	04	20	1430	PXX			non	non	non	unkown puls only PXX	PM 97	JARL
7040	2	2017	04	20	1510	PXX			non	non	non	unkown puls only PXX	PM 97	JARL
7040	2	2017	04	21	1200	PXX			non	non	non	unkown puls only PXX	PM 97	JARL
7040	2	2017	04	21	1304	PXX			non	non	non	unkown puls only PXX	PM 97	JARL
7040	2	2017	04	21	1510	PXX			non	non	non	unkown puls only PXX	PM 97	JARL
7040	2	2017	04	21	1630	PXX			non	non	non	unkown puls only PXX	PM 97	JARL
7043.0	0.5	2017	04	04	1221	A1A						Signal of rhythm	PM84XT	JARL
7075	2	2017	04	05	1212	F1B			non	non	non	now on air	PM 97	JARL
7078.0	0.5	2017	04	04	1224	A1A						Signal of rhythm	PM84XT	JARL

NZART: 20 observations

kHz	BW	YYYY	MON	DD	GMT	UTC	Emm	Bd	Sft	HDG	ADM	ID	Description	Grid	Society
3678	90	2017	04	10	<1836>	1836-1936	PXX				CHN	Unid	OTHR 11 and 21 pps continuous S5	RF73MF	ZL1GWE
3707.5	39	2017	04	03	<1842>	1842	PXX				?	Unid	OTHR 16 pps S4 continuous Suspect Chinese source	RF73MF	ZL1GWE
3824.5	69	2017	04	03	<1842>	1842	PXX				?	Unid	OTHR 17 pps S4 continuous	RF73MF	ZL1GWE
6998		2017	04	17	<0631>	0631	J3E/U				IND	Unid	Indonesian non amateurs Males talking	RF73MF	ZL1GWE
7089		2017	04	04	<0828>	0828	N0N				?	Unid	Carrier N0N signal or tuning station no ID weak	RF73MF	ZL1GWE
14001		2017	04	04	<2025>	2025	N0N				?	Unid	Carrier no Identification S6 possibly Australian Navy QSB	RF73MF	ZL1GWE
14001		2017	04	12	<2032>	2032	N0N				AUS	Unid	Carrier no Identification S6 possibly Australian Navy QSB	RF73Mf	ZL1GWE
14059	12	2017	04	17	<0639>	0639	PXX				?	Unid	OTHR 66 pps S6 3.6 second bursts and long delays inbetween	RF73MF	ZL1GWE
14189		2017	04	16	<2337>	2337	PXX				?	Unid	OTHR 51 pps 5.29 second bursts slow and methodical	RF73MF	ZL1GWE
14251		2017	04	03	<0550>	0550	F1B	75	250		RUS	Unid	FSK F1B Russian S5 Idling and encrypted mode CIS-36-50 BEE-36	RF73MF	ZL1GWE
14251		2017	04	17	<0604>	06404	F1B	75	250		RUS	Unid	FSK F1B Russian S5 Idling and encrypted mode CIS-36-50 BEE-36	RF73MF	ZL1GWE
14273.5	13	2017	04	05	<0635>	0635	PXX				?	Unid	OTHR S5 45 pps continuous	RF73MF	ZL1GWE
14275		2017	04	17	<0621>	0621	G7D				RUS	Unid	Russian AT3004D modem S4 continuous with guard band	RF73MF	ZL1GWE
14289	20	2017	04	17	<0647>	0647	PXX				?	Unid	OTHR 66 pps S6 3.8 second bursts	RF73MF	ZL1GWE
14297	160	2017	-04	16	<0551>	0551	PXX				?	Unid	OTHR wideband S6 9 pps 51 second bursts	RF73MF	ZL1GWE
14310		2017	04	17	<0550>	0550-0759	G7D				RUS	Unid	Russian AT3004D modem S4 continuous with guard band	RF73MF	ZL1GWE
14346		2017	04	16	<2252>	2252	G7D				RUS	Unid	Russian AT3304D S3 continuous with guard band encrypted	RF73MF	ZL1GWE
14348		2017	04	17	<0550>	0550-0759	G7D				RUS	Unid	Russian AT3304D S4 continuous with guard band encrypted	RF73MF	ZL1GWE
21000.1		2017	04	05	<2315>	2115	N0N				AUS	Unid	Australian Navy Carrier Garden City S1	RF73MF	ZL1GWE
21401		2017	04	14	<0637>	0637	G7D				CHN	Unid	Chinese 4X4 S4 encrypted local chinese Embassy?	RF73MF	ZL1GWE

WIA: 547 observations

Freq kHz	BW	YYYY	MM	DD	GMT	UTC	Emm	Bd	Sft	Hdg	ADM	ID	Description	Grid	Society	Notes
3500,4		2017	4	3	1935		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
3501,3		2017	4	1	1905		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
3502,0		2017	4	3	1935		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
3503,5		2017	4	1	1905		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
3504,5		2017	4	1	1935		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
3505,6		2017	4	1	1905		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
3506,4		2017	4	3	1935		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
3511,5		2017	4	3	1930		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
3513,3		2017	4	4	1950		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
3515,8		2017	4	4	1950		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
3518,2		2017	4	4	1950		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
3524,0	3	2017	4	23	1945		G1D						RHYTHMIC BURSTS	QG62an	WIA	VK4TJ
3535,0	60	2017	4	1	1900		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
3538,0	5	2017	4	4	1950		G7D						DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
3555,0	3	2017	4	17	0950		J3E/U						ASIAN – NO CALLS – EVER	QG62an	WIA	VK4TJ
3585,0	3	2017	4	1	0920		J1C				KOR	HLL2	DAILY, FAX	QG62an	WIA	VK4TJ
3592,0	5	2017	4	23	2000		G7D						DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
3601,0	5	2017	4	4	1950		G7D						DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
3622,5	3	2017	4	1	0905		J1C				JPN	JMH	DAILY, FAX	QG62an	WIA	VK4TJ
3632,5		2017	4	20	1945		A1A					E	BEACON OR PLACE-HOLDER	QG62an	WIA	VK4TJ
3634,0	3	2017	4	1	1945		G1D						RHYTHMIC BURSTS	QG62an	WIA	VK4TJ
3642,0		2017	4	3	1940		A1A					3A7D	CALLING DKG6	QG62an	WIA	VK4TJ
3688,8	3	2017	4	1	0905		J3E/U						SOUNDS KOREAN	QG62an	WIA	VK4TJ
3700,0	60	2017	4	1	1910		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
3776,8	3	2017	4	9	1920		J3E/U						ASIAN, READING LIST	QG62an	WIA	VK4TJ
3777,0		2017	4	3	1940		A1A					RIS9	CALLING M8JF	QG62an	WIA	VK4TJ
3778,0		2017	4	1	1910		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
3782,0	3	2017	4	1	1910		G1D						RHYTHMIC BURSTS	QG62an	WIA	VK4TJ
3787,0		2017	4	11	1925		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
3791,5		2017	4	1	1910		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
3797,0		2017	4	11	1925		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
3800,0	60	2017	4	1	1910		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
6970,0	100	2017	4	12	0910		P0N						CONTINUOUS, SLOW PULSE RATE	QG62an	WIA	VK4TJ
7000,0	3	2017	4	4	2130		J3E/U				INS		BAHASA MUSIC	QG62an	WIA	VK4TJ

7000,0	3	2017	4	1	0840		J3E/U				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7001,9	3	2017	4	3	0825		J3E/U						ASIAN	QG62an	WIA	VK4TJ
7005,0	3	2017	4	1	0840		J3E/L				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7005,0	3	2017	4	4	0840		J3E/U				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7008,0	1	2017	4	23	2010		F1B		250				BURSTS	QG62an	WIA	VK4TJ
7010,0	3	2017	4	6	0840		J3E/L				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7010,0	3	2017	4	3	0835		J3E/U				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7011,0	1	2017	4	19	2110		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
7011,0	3	2017	4	19	2115		J3E/U						ASIAN	QG62an	WIA	VK4TJ
7012,0	1	2017	4	22	2050		F1B						RHYTHMIC BURSTS	QG62an	WIA	VK4TJ
7012,0	5	2017	4	6	2145		G7D						DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
7012,0	3	2017	4	1	0920		J3E/L				INS		VILLAGE RADIO	QG62an	WIA	VK4TJ
7013,0	1	2017	4	12	2105		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
7014,0	3	2017	4	3	1940		J3E/L						ASIAN FAMILY NET	QG62an	WIA	VK4TJ
7014,0	1	2017	4	21	2105		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
7014,0	1	2017	4	2	0715		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
7014,4	3	2017	4	6	2150		J3E/L						CHINESE, FAMILY NET	QG62an	WIA	VK4TJ
7015,0	1	2017	4	29	2115		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
7015,0	3	2017	4	1	0925		J3E/L				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7015,0	3	2017	4	3	0845		J3E/U				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7016,0	1	2017	4	17	2040		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
7020,0	1	2017	4	12	0655		F1B		250				IDLING	QG62an	WIA	VK4TJ
7020,0	3	2017	4	1	0840		J3E/L				INS		DAILY, VILLAGE RADIO, CHANTING	QG62an	WIA	VK4TJ
7020,0	3	2017	4	3	0845		J3E/U				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7023,0	3	2017	4	22	2050		J3E/U						ASIAN, NOT CHINESE	QG62an	WIA	VK4TJ
7024,0	3	2017	4	3	1945		J3E/U						CHINESE SPEAKERS	QG62an	WIA	VK4TJ
7025,0	15	2017	4	27	1955		P0N						CONTINUOUS	QG62an	WIA	VK4TJ
7025,0	2	2017	4	27	1955		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
7025,0	3	2017	4	4	0845		J3E/L				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7025,0	3	2017	4	11	0945		J3E/U				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7030,0	5	2017	4	14	0920		G7D						DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
7030,0	5	2017	4	1	0855		G1D						BROAD PSK	QG62an	WIA	VK4TJ
7030,0	3	2017	4	1	0855		J3E/L				INS		DAILY, VILLAGE RADIO, CHANTING	QG62an	WIA	VK4TJ
7030,0	3	2017	4	3	0855		J3E/U				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7033,3	3	2017	4	3	1945		J3E/U						ASIAN, SOUNDS CHINESE	QG62an	WIA	VK4TJ
7035,0	3	2017	4	1	0855		J3E/L				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7035,0	3	2017	4	4	0855		J3E/U				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7036,0	3	2017	4	28	2050		J3E/L						ASIAN, SOUNDS CHINESE	QG62an	WIA	VK4TJ
7036,0	3	2017	4	1	0900		J3E/U						ASIAN	QG62an	WIA	VK4TJ

7039,3		2017	4	1	0845		A1A				RUS	D	DAILY, BEACON	QG62an	WIA	VK4TJ
7039,4		2017	4	1	0845		A1A				RUS	M	DAILY, BEACON	QG62an	WIA	VK4TJ
7040,0	3	2017	4	21	0805		J3E/U						ASIAN, RUNNING PHONE PATCHES	QG62an	WIA	VK4TJ
7041,0		2017	4	4	1955		A1A						MIXED NUMBER/LETTER CIPHER_Many non-English number/letter cipher	QG62an	WIA	VK4TJ
7050,0	50	2017	4	25	0925		P0N						CONTINUOUS	QG62an	WIA	VK4TJ
7050,0	3	2017	4	12	0645		J3E/U						ASIAN, NOT CHINESE	QG62an	WIA	VK4TJ
7051,0	1	2017	4	11	2125		F1B		250				IDLING	QG62an	WIA	VK4TJ
7051,0	1	2017	4	14	1020		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
7054,4	3	2017	4	1	1915		J3E/U						SOUNDS KOREAN	QG62an	WIA	VK4TJ
7062,0	3	2017	4	12	1205		G7D						DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
7063,0	3	2017	4	3	1945		G7D						BURSTS	QG62an	WIA	VK4TJ
7070,0	3	2017	4	27	0820		J3E/U						ASIAN	QG62an	WIA	VK4TJ
7070,0	5	2017	4	9	1925		G7D						DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
7070,0	40	2017	4	8	2125		VXX						CODAR	QG62an	WIA	VK4TJ
7080,0	5	2017	4	25	0930		G1D						BURSTS	QG62an	WIA	VK4TJ
7088,0	5	2017	4	4	1955		G7D						DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
7089,5	3	2017	4	24	0955		J3E/U						ASIAN – NO CALLS – EVER	QG62an	WIA	VK4TJ
7090,0	2	2017	4	27	0055		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
7097,0	1	2017	4	19	0840		F1B		250				BURSTS	QG62an	WIA	VK4TJ
7100,0	3	2017	4	13	0850		J3E/L				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7102,0		2017	4	12	0915		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
7103,0	1	2017	4	4	0940		F1B		250				BURSTS	QG62an	WIA	VK4TJ
7104,0	1	2017	4	1	2100		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
7105,0	1	2017	4	2	2105		F1B		250				BURSTS	QG62an	WIA	VK4TJ
7107,0	1	2017	4	4	0950		F1B		250				BURSTS	QG62an	WIA	VK4TJ
7108,0	3	2017	4	17	2155		G7D						BURSTS	QG62an	WIA	VK4TJ
7108,0	1	2017	4	1	2105		F1B		250				BURSTS	QG62an	WIA	VK4TJ
7110,0	3	2017	4	5	2205		G7D						BURSTS	QG62an	WIA	VK4TJ
7114,0	1	2017	4	1	1920		F1B		250				BURSTS	QG62an	WIA	VK4TJ
7117,0	3	2017	4	15	0855		J3E/L				INS		BAHASA MUSIC	QG62an	WIA	VK4TJ
7120,0	8	2017	4	1	1900		A3E				SOM		RADIO HARGEISA	QG62an	WIA	VK4TJ
7121,8	3	2017	4	6	0835		J3E/U						ASIAN, BAHASA OR TAGALOG	QG62an	WIA	VK4TJ
7125,0	3	2017	4	15	0900		J3E/U						ASIAN	QG62an	WIA	VK4TJ
7128,0	5	2017	4	12	0915		G7D						RHYTHMIC BURSTS	QG62an	WIA	VK4TJ
7134,4	3	2017	4	12	0915		J3E/U						ASIAN	QG62an	WIA	VK4TJ
7140,0	3	2017	4	8	0830		J3E/U						ASIAN, BAHASA OR TAGALOG	QG62an	WIA	VK4TJ
7141,0	1	2017	4	1	2105		F1B		250				BURSTS	QG62an	WIA	VK4TJ

7142,0	3	2017	4	25	0930		J3E/U						ASIAN	QG62an	WIA	VK4TJ
7143,0	5	2017	4	11	0950		G7D						RHYTHMIC BURSTS	QG62an	WIA	VK4TJ
7144,0	1	2017	4	1	2105		F1B		250				BURSTS	QG62an	WIA	VK4TJ
7150,0	3	2017	4	24	1005		J3E/U						CHINESE VOICE READING LIST (TWICE)	QG62an	WIA	VK4TJ
7153,2	3	2017	4	12	0915		J3E/U						ASIAN	QG62an	WIA	VK4TJ
7155,5	3	2017	4	21	0730		J3E/U						ASIAN	QG62an	WIA	VK4TJ
7170,0	40	2017	4	9	1925		VXX						CODAR	QG62an	WIA	VK4TJ
7171,0	3	2017	4	11	1920		J3E/U						ASIAN, NO CALLS – EVER, Family net	QG62an	WIA	VK4TJ
7175,0	3	2017	4	13	0900		J3E/U						ASIAN, NO CALLS – EVER	QG62an	WIA	VK4TJ
7177,0	3	2017	4	8	0840		J3E/U						ASIAN	QG62an	WIA	VK4TJ
7180,0	3	2017	4	25	0930		J3E/U						ASIAN, NOT CHINESE	QG62an	WIA	VK4TJ
7181,0	1	2017	4	19	0825		F1B		250				CONTINUOUS	QG62an	WIA	VK4TJ
7181,0	5	2017	4	13	2115		G7D						DOZENS OF SUBCARRIERS ON CLOSE INTERVALS. Finished with N0N	QG62an	WIA	VK4TJ
7185,0	10	2017	4	23	2015		P0N						CONTINUOUS	QG62an	WIA	VK4TJ
7185,5	3	2017	4	1	0845		J3E/U				PHI		TAGALOG SPEAKERS	QG62an	WIA	VK4TJ
7193,4	3	2017	4	3	0915		J3E/U						DAILY, ASIAN	QG62an	WIA	VK4TJ
7195,0	5	2017	4	3	0915		G1D						BROAD PSK	QG62an	WIA	VK4TJ
7198,0	1	2017	4	14	0935		F1B		250				BURSTS	QG62an	WIA	VK4TJ
7200,0	3	2017	4	3	1955		J3E/U						SPANISH SPEAKERS	QG62an	WIA	VK4TJ
7202,0	3	2017	4	13	0905		J3E/U						ASIAN	QG62an	WIA	VK4TJ
7250,9		2017	4	12	0940		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7252,0		2017	4	12	0940		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
7254,2		2017	4	12	0935		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7257,2		2017	4	1	0855		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7259,0		2017	4	1	0855		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7261,9		2017	4	1	0855		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7265,2		2017	4	1	0855		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7267,0		2017	4	1	0855		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7268,5		2017	4	1	0855		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7270,2		2017	4	3	0925		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7271,5		2017	4	3	0925		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7273,4		2017	4	1	0850		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7275,0	20	2017	4	3	2000		P0N						JAMMING SIGNAL	QG62an	WIA	VK4TJ
7276,5		2017	4	1	0850		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7278,3		2017	4	12	0935		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7280,0		2017	4	1	0850		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7281,5		2017	4	1	0850		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7282,2		2017	4	3	0925		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7283,2		2017	4	1	0850		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ

7284,0		2017	4	3	0925		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7284,7		2017	4	1	0850		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7288,0		2017	4	12	0930		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7289,6		2017	4	1	0850		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7291,4		2017	4	1	0850		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7292,8		2017	4	1	0850		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7294,6		2017	4	1	0850		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7296,0		2017	4	12	0930		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7299,3		2017	4	3	0920		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
10100,0	10	2017	4	23	0855		A3E						SW BROADCASTER	QG62an	WIA	VK4TJ
10102,0	3	2017	4	6	0825		J3E/U						ASIAN FISHBOATS, ENGINE NOISE	QG62an	WIA	VK4TJ
10130,0	3	2017	4	19	2120		J3E/U						ASIAN FISHBOATS, ENGINE NOISE	QG62an	WIA	VK4TJ
10135,0	20	2017	4	16	2245		VXX						CODAR	QG62an	WIA	VK4TJ
10135,9	3	2017	4	12	0905		J3E/U						ASIAN FISHBOAT FAMILY NET. Engine noise	QG62an	WIA	VK4TJ
10150,0	10	2017	4	12	2110		P0N						OTHR – MACHINE GUN SOUND	QG62an	WIA	VK4TJ
13998,0	3	2017	4	2	0805		J3E/U						DAILY, ASIAN	QG62an	WIA	VK4TJ
14000,0	20	2017	4	6	0510		P0N						OTHR, SLOW PULSE RATE	QG62an	WIA	VK4TJ
14000,0	3	2017	4	1	0015		J3E/U						ASIAN, SOUNDS CHINESE. With Roger beep	QG62an	WIA	VK4TJ
14000,5	3	2017	4	22	0910		J3E/L						ASIAN	QG62an	WIA	VK4TJ
14001,0		2017	4	4	2010		N0N							QG62an	WIA	VK4TJ
14001,0	1	2017	4	19	0530		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
14001,2	3	2017	4	22	0540		J3E/U						SPANISH SPEAKERS	QG62an	WIA	VK4TJ
14010,3	3	2017	4	6	0820		J3E/L						ASIAN	QG62an	WIA	VK4TJ
14020,0	3	2017	4	1	0805		J3E/U						ASIAN	QG62an	WIA	VK4TJ
14020,7	3	2017	4	11	0930		J3E/U						ASIAN	QG62an	WIA	VK4TJ
14021,1	3	2017	4	20	2215		J3E/U						ASIAN	QG62an	WIA	VK4TJ
14039,5	3	2017	4	5	0815		J3E/U						ASIAN	QG62an	WIA	VK4TJ
14045,0	5	2017	4	26	0800		G7D						DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
14045,0	1	2017	4	4	0730		F1B		250				BURSTS	QG62an	WIA	VK4TJ
14046,0	3	2017	4	7	0915		J3E/U						ASIAN	QG62an	WIA	VK4TJ
14048,0	3	2017	4	9	0415		J3E/L						ASIAN, SOUNDS HINDI	QG62an	WIA	VK4TJ
14048,0	3	2017	4	17	0040		J3E/U				PHL		DAILY, TAGALOG SPEAKERS	QG62an	WIA	VK4TJ
14050,0	10	2017	4	17	0020		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14052,5	3	2017	4	20	2210		J3E/U						ASIAN	QG62an	WIA	VK4TJ
14055,0	2	2017	4	18	0425		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
14055,0	15	2017	4	13	0230		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14058,0	10	2017	4	3	<0745- >		P0N						6 sec busrt every 40 secs in tandum 14058 66pps	QF22md	WIA	VK3MV

14058,6	3	2017	4	9	2230		J3E/U						ASIAN, SOUNDS CHINESE	QG62an	WIA	VK4TJ
14060,0	15	2017	4	13	0225		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14064,6	3	2017	4	26	0910		J3E/U						ASIAN, SOUNDS CHINESE	QG62an	WIA	VK4TJ
14065,0	15	2017	4	17	0015		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14065,0	3	2017	4	5	0835		J3E/U						SPANISH SPEAKERS	QG62an	WIA	VK4TJ
14066,0	3	2017	4	26	0810		J3E/U						AMERICAN-ACCENTED ENGLISH. Suspect AFRTS	QG62an	WIA	VK4TJ
14072,5	3	2017	4	5	0745		J3E/U						SPANISH SPEAKERS	QG62an	WIA	VK4TJ
14079,5	3	2017	4	8	0800		J3E/L						ASIAN	QG62an	WIA	VK4TJ
14080,0	2	2017	4	5	0850		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
14083,0	5	2017	4	26	0800		G7D						DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
14084,5		2017	4	30	0855		A1A					VK0IK	VVV Not licensed	QG62an	WIA	VK4TJ
14085,0	3	2017	4	29	0900		J3E/U						ASIAN	QG62an	WIA	VK4TJ
14095,0	20	2017	4	13	0245		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14100,0		2017	4	1	0820		A1A					BU0ZOW	VVV	QG62an	WIA	VK4TJ
14100,0	20	2017	4	1	0820		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14101,0	10	2017	4	3	<0745- >		P0N						6 sec busrt every 40 secs in tandum 14058 66pps	QF22md	WIA	VK3MV
14105,0	1	2017	4	23	0840		F1B		250				RHYTHMIC BURSTS	QG62an	WIA	VK4TJ
14111,0	2	2017	4	29	0855		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
14118,0	5	2017	4	26	0035		G7D						DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
14124,0	1	2017	4	23	0840		F1B		250				RHYTHMIC BURSTS	QG62an	WIA	VK4TJ
14127,0	5	2017	4	5	0920		G7D						BURSTS	QG62an	WIA	VK4TJ
14130,0	20	2017	4	17	0035		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14141,0	3	2017	4	7	0845		J3E/U						ASIAN	QG62an	WIA	VK4TJ
14141,5	3	2017	4	5	0935		J3E/L						ASIAN, SOUNDS CHINESE	QG62an	WIA	VK4TJ
14143,8	3	2017	4	5	2355		J3E/U						ASIAN, FAMILY NET	QG62an	WIA	VK4TJ
14150,0	10	2017	4	6	2340		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14155,0	5	2017	4	26	0800		G7D						DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
14155,0	20	2017	4	17	0025		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14159,5	3	2017	4	30	0905		J3E/U						ASIAN	QG62an	WIA	VK4TJ
14160,0	150	2017	4	28	0815		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14160,0	20	2017	4	15	0340		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14162,5	3	2017	4	30	0905		J3E/U						ASIAN	QG62an	WIA	VK4TJ
14166,5	3	2017	4	30	0905		J3E/U						ASIAN	QG62an	WIA	VK4TJ
14173,0	5	2017	4	26	0910		G7D						DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
14175,0	150	2017	4	9	0820		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14175,0	10	2017	4	1	0030		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ

14182,0	5	2017	4	19	2125		G7D						DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
14185,0	20	2017	4	13	0235		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14190,0	20	2017	4	2	0735		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14191,0	5	2017	4	13	0405		G7D						DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
14201,5	3	2017	4	1	0820		G7D						+ F1B + A1A (DITS)	QG62an	WIA	VK4TJ
14208,4	3	2017	4	22	0855		J3E/U						ASIAN, NO CALLS – EVER	QG62an	WIA	VK4TJ
14210,0	1	2017	4	13	0005		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
14210,0	20	2017	4	1	0800		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14214,0		2017	4	4	0740		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
14214,3	3	2017	4	17	0050		J3E/U						ASIAN, NO CALLS – EVER	QG62an	WIA	VK4TJ
14215,5	3	2017	4	26	0905		J3E/U						ASIAN, NO CALLS – EVER	QG62an	WIA	VK4TJ
14216,0	1	2017	4	21	2240		F1B		250				BURSTS	QG62an	WIA	VK4TJ
14217,0	5	2017	4	19	2125		G7D						DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
14220,0	20	2017	4	13	0245		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14225,0	20	2017	4	26	0905		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14225,5	3	2017	4	24	0900		J3E/U						ASIAN, NO CALLS – EVER	QG62an	WIA	VK4TJ
14235,0	20	2017	4	13	0225		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14240,0	1	2017	4	13	0605		F1B		250				CONTINUOUS	QG62an	WIA	VK4TJ
14240,0	3	2017	4	5	0740		G7D						FOLLOWED BY J3E/U CHINESE	QG62an	WIA	VK4TJ
14240,0	20	2017	4	13	0010		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14240,3	3	2017	4	1	0830		J3E/L						ASIAN	QG62an	WIA	VK4TJ
14244,0	5	2017	4	1	0825		G7D						RHYTHMIC BURSTS	QG62an	WIA	VK4TJ
14245,0	20	2017	4	22	0540		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14246,0	10	2017	4	20	<0030-0037>		P0N						66pps, 6sec burst every 40 secs	QF22md	WIA	VK3MV
14248,0	5	2017	4	5	0955		G7D						BURSTS	QG62an	WIA	VK4TJ
14252,0	5	2017	4	12	0745		G7D				RUS		AT3004D	QG62an	WIA	VK4TJ
14253,0	5	2017	4	19	2125		G7D						DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
14254,8	3	2017	4	5	1010		J3E/U						ASIAN, FAMILY NET	QG62an	WIA	VK4TJ
14260,0	20	2017	4	13	0225		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14262,0	10	2017	4	18	<0720- >		P0N						66pps 6sec burst every 40secs	QF22md	WIA	VK3MV
14263,0	5	2017	4	8	0805		G7D						DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
14273,0	3	2017	4	5	2240		J3E/L						ASIAN, NOT CHINESE	QG62an	WIA	VK4TJ
14285,0	20	2017	4	1	0825		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14288,0	5	2017	4	19	2130		G7D						DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
14289,0	3	2017	4	26	0805		J3E/L						ASIAN	QG62an	WIA	VK4TJ

14290,0	20	2017	4	17	0715		P0N							OTHR, BURSTS	QG62an	WIA	VK4TJ
14295,0	20	2017	4	18	0655		P0N							OTHR, BURSTS	QG62an	WIA	VK4TJ
14300,0	20	2017	4	2	0735		P0N							OTHR, BURSTS	QG62an	WIA	VK4TJ
14305,0	20	2017	4	4	0750		P0N							OTHR, BURSTS	QG62an	WIA	VK4TJ
14310,0		2017	4	28	0815		A1A							LETTER CIPHER	QG62an	WIA	VK4TJ
14311,0	10	2017	4	3	<0800 - >		P0N							6 sec busrt every 40 secs in tandum 14058 66pps	QF22md	WIA	VK3MV
14312,0	5	2017	4	16	2125		G7D							DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
14312,0	4	2017	4	20	0621-0624		G7D							multi-channel PSK?	QF22md	WIA	VK3MV
14325,0	5	2017	4	19	2130		G7D							DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
14325,0	20	2017	4	13	0230		P0N							OTHR, BURSTS	QG62an	WIA	VK4TJ
14330,0	20	2017	4	22	0900		P0N							OTHR, BURSTS	QG62an	WIA	VK4TJ
14331,0	3	2017	4	30	0905		J3E/U							ASIAN	QG62an	WIA	VK4TJ
14335,5	3	2017	4	26	0910		J3E/U							ASIAN, SOUNDS CHINESE Fishing boats, engine noise	QG62an	WIA	VK4TJ
14336,0	3	2017	4	9	0825		J3E/U							ASIAN, SOUNDS CHINESE	QG62an	WIA	VK4TJ
14339,0	5	2017	4	22	0545		G7D							DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
14340,0	150	2017	4	17	0030		F3E							CHINESE VOICE POSSIBLY USED TO JAM SOUND OF HOPE	QG62an	WIA	VK4TJ
14344,0	3	2017	4	5	2240		J3E/U							ASIAN FISHBOATS, ENGINE NOISE	QG62an	WIA	VK4TJ
14345,0	20	2017	4	5	0745		P0N							OTHR, BURSTS	QG62an	WIA	VK4TJ
14347,0	5	2017	4	16	2125		G7D							DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
14349,0	3	2017	4	9	0830		J3E/U							ASIAN, SOUNDS CHINESE	QG62an	WIA	VK4TJ
14350,0	20	2017	4	22	0900		P0N							OTHR, BURSTS	QG62an	WIA	VK4TJ
18066,5	3	2017	4	26	0040		J3E/U							ASIAN	QG62an	WIA	VK4TJ
18070,0	40	2017	4	8	0505		P0N							CONTINUOUS, SLOW PULSE RATE	QG62an	WIA	VK4TJ
18070,0	20	2017	4	4	0340		P0N							CONTINUOUS, SLOW PULSE RATE	QG62an	WIA	VK4TJ
18075,0	3	2017	4	8	2240		J3E/U							ASIAN, SOUNDS CHINESE	QG62an	WIA	VK4TJ
18088,0	3	2017	4	26	2225		J3E/U							ASIAN	QG62an	WIA	VK4TJ
18090,6	3	2017	4	17	2220		J3E/L							ASIAN	QG62an	WIA	VK4TJ
18100,0	3	2017	4	30	0835		J3E/U							ASIAN, FISHBOATS – ENGINE NOISE	QG62an	WIA	VK4TJ
18111,0	3	2017	4	8	2245		J3E/U				PHI			TAGALOG SPEAKERS	QG62an	WIA	VK4TJ
18131,0	5	2017	4	12	0425		G7D							BURSTS, FOLLOWED BY F1B	QG62an	WIA	VK4TJ
18165,0	10	2017	4	22	0820		P0N							OTHR, BURSTS	QG62an	WIA	VK4TJ
18175,0	50	2017	4	18	0355		P0N							OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
21000,0	10	2017	4	25	0315		P0N							OTHR, BURSTS	QG62an	WIA	VK4TJ
21000,0	40	2017	4	13	0235		P0N							OTHR, BURSTS	QG62an	WIA	VK4TJ
21000,0	3	2017	4	3	0810		J3E/U							ASIAN	QG62an	WIA	VK4TJ

21000,0		2017	4	5	0725		N0N							QG62an	WIA	VK4TJ
21003,0	5	2017	4	19	0900		G7D						DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
21021,0	3	2017	4	14	0015		J3E/U						ASIAN	QG62an	WIA	VK4TJ
21030,0	2	2017	4	21	2305		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
21050,0	5	2017	4	13	0415		G7D						DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
21060,0	160	2017	4	25	0650		P0N						CONTINUOUS	QG62an	WIA	VK4TJ
21090,0	9	2017	4	24	0015		J3E/L				INS		3RD HARMONIC OF YB INTRUDER	QG62an	WIA	VK4TJ
21090,0	2	2017	4	8	2250		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
21095,0	20	2017	4	13	0250		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21097,0	1	2017	4	5	0420		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
21105,0	9	2017	4	9	0455		J3E/L				INS		3RD HARMONIC OF YB INTRUDER	QG62an	WIA	VK4TJ
21120,0	9	2017	4	6	2345		J3E/L				INS		3RD HARMONIC OF YB INTRUDER	QG62an	WIA	VK4TJ
21126,5	1	207	4	11	0235		F1B		250				BURSTS	QG62an	WIA	VK4TJ
21150,0	9	2017	4	15	0120		J3E/L				INS		3RD HARMONIC OF YB INTRUDER	QG62an	WIA	VK4TJ
21150,0	20	2017	4	13	0540		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21160,0	20	2017	4	18	0630		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21165,0	20	2017	4	18	0510		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21180,0	2	2017	4	6	0125		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
21185,0	20	2017	4	3	0110		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21206,0	3	2017	4	25	0015		J3E/L						ASIAN	QG62an	WIA	VK4TJ
21210,0	20	2017	4	21	0605		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21230,0	40	2017	4	8	0715		P0N						OTHR, CONTINUOUS. Slow pulse rate	QG62an	WIA	VK4TJ
21260,0	20	2017	4	4	0420		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21275,0	20	2017	4	6	0150		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21280,0	20	2017	4	21	0715		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21285,0	20	2017	4	4	0450		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21290,0	20	2017	4	15	0125		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
21300,0	2	2017	4	26	0700		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
21303,6	3	2017	4	6	0740		J3E/U						ASIAN, SOUNDS CHINESE	QG62an	WIA	VK4TJ
21310,0	20	2017	4	20	0900		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21315,0	20	2017	4	6	0730		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21325,0	20	2017	4	18	0510		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21325,8	3	2017	4	7	2335		J3E/U						ASIAN, SOUNDS CHINESE	QG62an	WIA	VK4TJ
21330,0	20	2017	4	4	0530		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21335,0	20	2017	4	3	0110		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21337,0	3	2017	4	6	0150		J3E/U						ASIAN, SOUNDS CHINESE. DAILY	QG62an	WIA	VK4TJ
21340,0	20	2017	4	18	0625		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21345,0	20	2017	4	18	0510		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21345,5	3	2017	4	21	2300		J3E/U						ASIAN – NO CALLS – EVER	QG62an	WIA	VK4TJ

21350,0	20	2017	4	6	0730		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21355,0	40	2017	4	29	0905		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
21360,0	20	2017	4	1	0235		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21380,0	20	2017	4	4	0425		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21385,0	20	2017	4	19	0900		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21390,0	20	2017	4	18	0510		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21395,0	20	2017	4	18	0420		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21400,0	20	2017	4	18	0515		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21404,0	5	2017	4	6	0340		G7D						DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
21410,0	20	2017	4	1	0055		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21415,0	15	2017	4	13	0410		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21420,0	20	2017	4	3	0815		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21420,0	9	2017	4	5	0320		J3E/L				INS		3RD HARMONIC OF YB INTRUDER	QG62an	WIA	VK4TJ
21425,0	20	2017	4	4	0505		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21430,0	20	2017	4	18	0630		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21440,0	20	2017	4	6	0225		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21445,0	15	2017	4	4	0530		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21450,0	20	2017	4	21	0610		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
24887,5	8	2017	4	5	0540		F3E						ASIAN	QG62an	WIA	VK4TJ
24912,5	8	2017	4	19	0905		F3E						ASIAN	QG62an	WIA	VK4TJ
24915,0	6	2017	4	21	0555		A3E						ASIAN	QG62an	WIA	VK4TJ
24925,0	8	2017	4	5	0535		F3E						ASIAN	QG62an	WIA	VK4TJ
24930,0	40	2017	4	2	0420		VXX						CODAR	QG62an	WIA	VK4TJ
24935,0	6	2017	4	21	0555		A3E						ASIAN	QG62an	WIA	VK4TJ
24937,5	8	2017	4	2	0410		F3E						ASIAN	QG62an	WIA	VK4TJ
24950,0	8	2017	4	2	0455		F3E						ASIAN	QG62an	WIA	VK4TJ
24955,0	6	2017	4	21	0545		A3E						ASIAN	QG62an	WIA	VK4TJ
24962,5	8	2017	4	2	0450		F3E						ASIAN	QG62an	WIA	VK4TJ
24965,0	6	2017	4	21	0545		A3E						ASIAN	QG62an	WIA	VK4TJ
24975,0	8	2017	4	2	0410		F3E						ASIAN	QG62an	WIA	VK4TJ
24987,5	8	2017	4	2	0450		F3E						ASIAN	QG62an	WIA	VK4TJ
28000,0	8	2017	4	1	0145		F3E						ASIAN	QG62an	WIA	VK4TJ
28005,0	6	2017	4	2	0135		A3E						ASIAN	QG62an	WIA	VK4TJ
28012,5	8	2017	4	9	0110		F3E						ASIAN	QG62an	WIA	VK4TJ
28015,0	6	2017	4	1	0145		A3E						ASIAN	QG62an	WIA	VK4TJ
28025,0	8	2017	4	2	0135		F3E						ASIAN	QG62an	WIA	VK4TJ
28035,0	6	2017	4	2	0135		A3E						ASIAN	QG62an	WIA	VK4TJ
28037,5	8	2017	4	9	0110		F3E						ASIAN	QG62an	WIA	VK4TJ
28045,0	2	2017	4	10	0140		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ

28050,0	8	2017	4	7	0010		F3E						ASIAN	QG62an	WIA	VK4TJ
28055,0	6	2017	4	2	0145		A3E						ASIAN	QG62an	WIA	VK4TJ
28062,5	8	2017	4	9	0115		F3E						ASIAN	QG62an	WIA	VK4TJ
28065,0	6	2017	4	1	0200		A3E						ASIAN	QG62an	WIA	VK4TJ
28075,0	8	2017	4	2	0145		F3E						ASIAN	QG62an	WIA	VK4TJ
28085,0	6	2017	4	1	0150		A3E						ASIAN	QG62an	WIA	VK4TJ
28087,5	8	2017	4	22	0315		F3E						ASIAN	QG62an	WIA	VK4TJ
28100,0	8	2017	4	2	0135		F3E						ASIAN	QG62an	WIA	VK4TJ
28105,0	6	2017	4	2	0150		A3E						ASIAN	QG62an	WIA	VK4TJ
28112,5	8	2017	4	4	0210		F3E						ASIAN	QG62an	WIA	VK4TJ
28115,0	6	2017	4	2	0150		A3E						ASIAN	QG62an	WIA	VK4TJ
28125,0	8	2017	4	2	0150		F3E						ASIAN	QG62an	WIA	VK4TJ
28135,0	6	2017	4	2	0150		A3E						ASIAN	QG62an	WIA	VK4TJ
28137,5	8	2017	4	16	0250		F3E						ASIAN	QG62an	WIA	VK4TJ
28145,0	6	2017	4	2	0150		A3E						ASIAN	QG62an	WIA	VK4TJ
28150,0	8	2017	4	8	0120		F3E						ASIAN	QG62an	WIA	VK4TJ
28155,0	6	2017	4	2	0155		A3E						ASIAN	QG62an	WIA	VK4TJ
28165,0	6	2017	4	1	0130		A3E						ASIAN	QG62an	WIA	VK4TJ
28175,0	8	2017	4	8	0120		F3E						ASIAN	QG62an	WIA	VK4TJ
28185,0	6	2017	4	2	0155		A3E						ASIAN	QG62an	WIA	VK4TJ
28187,5	8	2017	4	22	0335		F3E						ASIAN	QG62an	WIA	VK4TJ
28195,0	6	2017	4	1	0150		A3E						ASIAN	QG62an	WIA	VK4TJ
28200,0	8	2017	4	22	0335		F3E						ASIAN	QG62an	WIA	VK4TJ
28205,0	6	2017	4	2	0200		A3E						ASIAN	QG62an	WIA	VK4TJ
28212,5	8	2017	4	8	0130		F3E						ASIAN	QG62an	WIA	VK4TJ
28215,0	6	2017	4	2	0200		A3E						ASIAN	QG62an	WIA	VK4TJ
28225,0	8	2017	4	1	0130		F3E						ASIAN	QG62an	WIA	VK4TJ
28235,0	6	2017	4	1	0150		A3E						ASIAN	QG62an	WIA	VK4TJ
28237,5	8	2017	4	16	0300		F3E						ASIAN	QG62an	WIA	VK4TJ
28245,0	6	2017	4	2	0200		A3E						ASIAN	QG62an	WIA	VK4TJ
28250,0	8	2017	4	9	0135		F3E						ASIAN	QG62an	WIA	VK4TJ
28255,0	6	2017	4	2	0200		A3E						ASIAN	QG62an	WIA	VK4TJ
28262,5	8	2017	4	9	0135		F3E						ASIAN	QG62an	WIA	VK4TJ
28265,0	6	2017	4	8	0130		A3E						ASIAN	QG62an	WIA	VK4TJ
28275,0	8	2017	4	2	0205		F3E						ASIAN	QG62an	WIA	VK4TJ
28285,0	6	2017	4	7	0030		A3E						ASIAN	QG62an	WIA	VK4TJ
28295,0	6	2017	4	2	0205		A3E						ASIAN	QG62an	WIA	VK4TJ
28300,0	8	2017	4	7	0040		F3E						ASIAN	QG62an	WIA	VK4TJ
28305,0	6	2017	4	1	0135		A3E						ASIAN	QG62an	WIA	VK4TJ
28312,5	8	2017	4	9	0140		F3E						ASIAN	QG62an	WIA	VK4TJ

28315,0	6	2017	4	1	0135		A3E						ASIAN	QG62an	WIA	VK4TJ
28325,0	8	2017	4	2	0205		F3E						ASIAN	QG62an	WIA	VK4TJ
28335,0	6	2017	4	2	0205		A3E						ASIAN	QG62an	WIA	VK4TJ
28336,3	3	2017	4	26	0325		J3E/U						ASIAN, NO CALLS – EVER	QG62an	WIA	VK4TJ
28350,0	8	2017	4	9	0145		F3E						ASIAN	QG62an	WIA	VK4TJ
28355,0	6	2017	4	2	0210		A3E						ASIAN	QG62an	WIA	VK4TJ
28362,5	8	2017	4	9	0145		F3E						ASIAN	QG62an	WIA	VK4TJ
28365,0	6	2017	4	1	0205		A3E						ASIAN	QG62an	WIA	VK4TJ
28375,0	8	2017	4	2	0210		F3E						ASIAN	QG62an	WIA	VK4TJ
28385,0	6	2017	4	2	0210		A3E						ASIAN	QG62an	WIA	VK4TJ
28387,5	8	2017	4	22	0350		F3E						ASIAN	QG62an	WIA	VK4TJ
28400,0	8	2017	4	2	0210		F3E						ASIAN	QG62an	WIA	VK4TJ
28405,0	6	2017	4	2	0210		A3E						ASIAN	QG62an	WIA	VK4TJ
28412,5	8	2017	4	16	0325		F3E						ASIAN	QG62an	WIA	VK4TJ
28415,0	6	2017	4	2	0210		A3E						ASIAN	QG62an	WIA	VK4TJ
28425,0	8	2017	4	2	0210		F3E						ASIAN	QG62an	WIA	VK4TJ
28435,0	6	2017	4	2	0210		A3E						ASIAN	QG62an	WIA	VK4TJ
28437,5	8	2017	4	7	0045		F3E						ASIAN	QG62an	WIA	VK4TJ
28450,0	8	2017	4	9	0150		F3E						ASIAN	QG62an	WIA	VK4TJ
28455,0	6	2017	4	2	0215		A3E						ASIAN	QG62an	WIA	VK4TJ
28462,5	8	2017	4	22	0400		F3E						ASIAN	QG62an	WIA	VK4TJ
28465,0	6	2017	4	2	0215		A3E						ASIAN	QG62an	WIA	VK4TJ
28475,0	8	2017	4	1	0150		F3E						ASIAN	QG62an	WIA	VK4TJ
28485,0	6	2017	4	2	0215		A3E						ASIAN	QG62an	WIA	VK4TJ
28487,5	8	2017	4	22	0400		F3E						ASIAN	QG62an	WIA	VK4TJ
28500,0	8	2017	4	26	0315		F3E						ASIAN	QG62an	WIA	VK4TJ
28505,0	6	2017	4	8	0130		A3E						ASIAN	QG62an	WIA	VK4TJ
28515,0	6	2017	4	2	0220		A3E						ASIAN	QG62an	WIA	VK4TJ
28525,0	8	2017	4	2	0220		F3E						ASIAN	QG62an	WIA	VK4TJ
28535,0	6	2017	4	2	0220		A3E						ASIAN	QG62an	WIA	VK4TJ
28537,5	8	2017	4	9	0200		F3E						ASIAN	QG62an	WIA	VK4TJ
28550,0	8	2017	4	26	0250		F3E						ASIAN	QG62an	WIA	VK4TJ
28555,0	6	2017	4	2	0220		A3E						ASIAN	QG62an	WIA	VK4TJ
28562,5	8	2017	4	22	0430		F3E						ASIAN	QG62an	WIA	VK4TJ
28565,0	6	2017	4	7	0015		A3E						ASIAN	QG62an	WIA	VK4TJ
28575,0	8	2017	4	2	0225		F3E						ASIAN	QG62an	WIA	VK4TJ
28585,0	6	2017	4	7	0030		A3E						ASIAN	QG62an	WIA	VK4TJ
28595,0	6	2017	4	8	0135		A3E						ASIAN	QG62an	WIA	VK4TJ
28600,0	8	2017	4	22	0545		F3E						ASIAN	QG62an	WIA	VK4TJ
28605,0	6	2017	4	7	0045		A3E						ASIAN	QG62an	WIA	VK4TJ

28612,5	8	2017	4	26	0240		F3E						ASIAN	QG62an	WIA	VK4TJ
28615,0	6	2017	4	8	0135		A3E						ASIAN	QG62an	WIA	VK4TJ
28625,0	8	2017	4	1	0135		F3E						ASIAN	QG62an	WIA	VK4TJ
28635,0	6	2017	4	7	0045		A3E						ASIAN	QG62an	WIA	VK4TJ
28637,5	8	2017	4	7	0045		F3E						ASIAN	QG62an	WIA	VK4TJ
28645,0	6	2017	4	8	0140		A3E						ASIAN	QG62an	WIA	VK4TJ
28650,0	8	2017	4	26	0240		F3E						ASIAN	QG62an	WIA	VK4TJ
28655,0	6	2017	4	6	0255		A3E						ASIAN	QG62an	WIA	VK4TJ
28665,0	6	2017	4	7	0045		A3E						ASIAN	QG62an	WIA	VK4TJ
28675,0	8	2017	4	7	0205		F3E						ASIAN	QG62an	WIA	VK4TJ
28685,0	6	2017	4	7	0015		A3E						ASIAN	QG62an	WIA	VK4TJ
28695,0	6	2017	4	8	0140		A3E						ASIAN	QG62an	WIA	VK4TJ
28700,0	8	2017	4	22	0620		F3E						ASIAN	QG62an	WIA	VK4TJ
28705,0	6	2017	4	7	0015		A3E						ASIAN	QG62an	WIA	VK4TJ
28715,0	6	2017	4	7	0015		A3E						ASIAN	QG62an	WIA	VK4TJ
28725,0	8	2017	4	7	0200		F3E						ASIAN	QG62an	WIA	VK4TJ
28735,0	6	2017	4	1	0135		A3E						ASIAN	QG62an	WIA	VK4TJ
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28745,0	6	2017	4	7	0045		A3E						ASIAN	QG62an	WIA	VK4TJ
28750,0	8	2017	4	22	0625		F3E						ASIAN	QG62an	WIA	VK4TJ
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28912,5	8	2017	4	7	0140		F3E						ASIAN	QG62an	WIA	VK4TJ
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28937,5	8	2017	4	7	0140		F3E						ASIAN	QG62an	WIA	VK4TJ
28950,0	8	2017	4	7	0050		F3E						ASIAN	QG62an	WIA	VK4TJ
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28975,0	8	2017	4	7	0050		F3E						ASIAN	QG62an	WIA	VK4TJ

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29062,5	8	2017	4	1	0140		F3E						ASIAN	QG62an	WIA	VK4TJ
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29087,5	8	2017	4	7	0130		F3E						ASIAN	QG62an	WIA	VK4TJ
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29112,5	8	2017	4	1	0140		F3E						ASIAN	QG62an	WIA	VK4TJ
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29137,5	8	2017	4	7	0125		F3E						ASIAN	QG62an	WIA	VK4TJ
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29200,0	8	2017	4	4	0245		F3E						ASIAN	QG62an	WIA	VK4TJ
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29475,0	8	2017	4	7	0055		F3E						ASIAN	QG62an	WIA	VK4TJ
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29537,5	8	2017	4	26	0215		F3E						ASIAN	QG62an	WIA	VK4TJ
29550,0	8	2017	4	7	0040		F3E						ASIAN	QG62an	WIA	VK4TJ
29562,5	8	2017	4	4	0310		F3E						ASIAN	QG62an	WIA	VK4TJ
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29637,5	8	2017	4	7	0100		F3E						ASIAN	QG62an	WIA	VK4TJ
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29687,5	8	2017	4	4	0250		F3E						ASIAN	QG62an	WIA	VK4TJ
29700,0	8	2017	4	7	0100		F3E						ASIAN	QG62an	WIA	VK4TJ

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