



INTERNATIONAL AMATEUR RADIO
UNION

REGION THREE

MONITORING SYSTEM NEWS LETTER



July 2017

Titon Dutono, YB3PET

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

For period of 2017 July there were 115 observations from JARL, 29 observations from NZART, and also there were 407 observations from WIA. By this month sampling, there were total 551 observations of intruders made across the Region.

The most prominent intruders are as in the following table,

No.	Band	Class Emission	Administration	Description
1.	80m	A1A	UNKNOWN	DITS - JAMMING SIGNAL
		PON	UNKNOWN	OTHR-CONTINUOUS
2.	40m	AIA	RUS	BEACON
		PXX	UNID	OTHR
		A1A	UNID	DITS –JAMMING SIGNAL
		J3E	INS	INDONESIAN LANGUAGE
		A1A	UNID	DITS – JAMMING SIGNAL
		VXX	UNID	CODAR
		FIB	UNID	BURSTS
3.	20m	PON	UNID	OTHR, BURST
		J3E	UNID	ASIAN
		PXX	CHN	OTHR
4.	17m	PON	UNID	OTHR BURST
		F1B	UNID	BEACONING
5.	15m	PON	UNID	OTHR, BURST
		J3E	INS	3RD HARMONIC OF YB INTRUDER
6.	10m	A3E	UNID	ASIAN COUNTRY
		F3E	UNID	ASIAN COUNTRY

Comment from WIA: The reduced sun spot activity has meant intruders are moving lower in frequency. Although there are the occasional use in 21, 24, 28 MHz bands being detected.

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: 115 observations

kHz	BW	YYYY	MM	DD	UTC	Emm	Bd	Sft	Hdg	ADM	ID	Description	Grid	Society
35600.0	6.0	2017	07	31	0956	A3E						Program:Voice,Language:North Korea	PM84XT	JARL
7038	0.5	2017	07	31	1730	A1A			15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2017	07	04	1130	A1A			15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2017	07	04	1210	A1A			15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2017	07	04	1302	A1A			15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2017	07	04	1410	A1A			15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2017	07	04	1504	A1A			15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2017	07	06	1130	A1A			15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2017	07	06	1212	A1A			15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2017	07	06	1310	A1A			15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2017	07	06	1410	A1A			15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2017	07	06	1502	A1A			15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2017	07	07	1120	A1A			15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2017	07	07	1206	A1A			15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2017	07	07	1304	A1A			15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2017	07	07	1410	A1A			15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2017	07	07	1506	A1A			15	RUS	M--signal	Beacon	PM97	JARL

7039	0.5	2017	07	08	1124	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	08	1200	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	08	1310	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	08	1412	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	08	1520	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	09	1110	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	09	1204	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	09	1302	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	09	1410	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	09	1504	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	09	1610	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	10	1210	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	10	1320	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	10	1410	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	10	1502	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	10	1620	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	11	1130	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	11	1206	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	11	1310	A1A			15	RUS	M-- signal	Beacon	PM97	JARL

7039	0.5	2017	07	11	1404	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	11	1510	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	11	1612	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	12	1140	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	12	1210	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	12	1302	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	12	1410	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	12	1504	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	12	1610	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	13	1130	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	13	1204	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	13	1310	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	13	1404	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	13	1510	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	13	1602	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	14	1120	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	14	1204	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	14	1310	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	14	1402	A1A			15	RUS	M-- signal	Beacon	PM97	JARL

7039	0.5	2017	07	14	1510	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	14	1620	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	15	1720	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	16	1130	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	16	1210	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	16	1306	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	16	1410	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	16	1502	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	16	1610	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	17	1230	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	17	1310	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	17	1404	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	17	1530	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	18	1210	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	18	1310	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	18	1420	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	18	1504	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	19	1210	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	19	1310	A1A			15	RUS	M-- signal	Beacon	PM97	JARL

7039	0.5	2017	07	19	1402	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	19	1510	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	20	1130	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	20	1210	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	20	1304	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	20	1410	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	20	1520	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	21	1210	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	21	1308	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	21	1410	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	21	1512	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	22	1140	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	22	1204	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	22	1310	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	22	1420	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	22	1520	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	23	1210	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	23	1310	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	23	1420	A1A			15	RUS	M-- signal	Beacon	PM97	JARL

7039	0.5	2017	07	23	1512	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	23	1610	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	24	1204	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	24	1404	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	24	1540	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	27	1230	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	27	1410	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	27	1620	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	28	1230	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	28	1404	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	28	1612	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	29	1240	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	29	1410	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	29	1608	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	30	1120	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	30	1204	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	30	1410	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	30	1602	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7039	0.5	2017	07	31	1420	A1A			15	RUS	M-- signal	Beacon	PM97	JARL

7039	0.5	2017	07	31	1520	A1A			15	RUS	M-- signal	Beacon	PM97	JARL
7070	2	2017	07	24	1210	PXX			non	non	non	dot pulse only PXX	PM97	JARL
7070	2	2017	07	30	1110	PXX			non	non	non	dot pulse only PXX	PM97	JARL

NZART: 29 observations

kHz	BW	YYYY	Mon	DD	GMT	UTC	Emm	Bd	Sft	Hdg	ADM	ID	Description	Grid	Society
6999*		2017	07	10	<0739>	0739	J3E/U				IND	Unid	Non Amateurs males chattering away S5	RF73MF	ZL1GWE
7028		2017	07	05	<1900>	1900	G7D	120			RUS	Unid	Russian AT3004D modem encrypted 12 channel S4 Far East	TF73MF	ZL1GWE
7073.7		2016	07	21	<0847>	0847	J3E/U				?	Unid	Non Amateurs unidentified	RF73JD	ZL1DRB
10129		2016	07	31	<2040>	2040	PXX				?	Unid	OTHR S3 29 pps with a centre pip variable rate - suspect Australian	RF73MF	ZL1GWE
10140		2016	07	20	<1700>	1700	PXX				?	Unid	OTHR S9 hash wiping out JT9 section of 30 metre band	RF73HM	ZL3CX
14005	10	2016	07	24	<2259>	2259	PXX				?	Unid	OTHR S4 5.3 second bursts 51 pp	RF73MF	ZL1GWE
14101.5	11	2016	07	24	<2312>	2312	PXX				?	Unid	OTHR 66 pps 3.7 second bursts S7	RF73MF	ZL1GWE
14035.5	13	2107	07	23	<0651>	0651	PXX				CHN	Unid	OTHR 66 pps S6 7.7 second bursts	RF73MF	ZL1GWE
14053.5`	10.5	2017	07	20	<0526>	0526-0532	PXX				CHN	Unid	OTHR 67 pps 4.1 second bursts S8	RF73MF	ZL1GWE
14061		2017	07	25	<0305>	0305	A1A				CHN	Unid	Chinese numbers station RST 329 QEK3 QSA1 4 figure cut number groups	PF95GC	VK5EEE
14060	10	2017	07	27	<0945>	0945	PXX				CHN	Unid	OTHR 47, 47.6 45, 83.25 and 66.66 pps 10 second bursts S9 + 10 dbm cycles	RF73JD	ZL1DRB
14111		2017	07	10	<0703>	0730	G7D				CHN	Unid	Chinese 4X4 PRC S6	RF73MF	ZL1GWE
14224	160	2016	07	24	<0631>	0631-0650	PXX				?	Unid	OTHR 11 pps continous S5 160 kHz wide	RF73MF	ZL1GWE
14129.5	25	2017	07	10	<0723>	0723	PXX				CHN	Unid	OTHR 66 pps 7.46 second bursts S7	RF73MF	ZL1GWE
14148	31	2017	07	20	<0526>	0526	PXX				CHN	Unid	OTHR 4 second bursts S8 Chinese	RF73MF	ZL1GWE
14158.5	33	2017	07	10	<0723>	0723	PXX				CHN	Unid	OTHR 66 pps 7.45 second bursts S5	RF73MF	ZL1GWE
14160	10	2017	07	19	<2307>	2307	PXX				CHN	Unid	OTHR 67 pps 3.95 second bursts S7	RF73MF	ZL1GWE
14183.5	5\6.5	2017	07	20	<0526>	0526-0532	PXX				CHN	Unid	OTHR 67 pps 4.1 second bursts S7 Chinese	RF73MF	ZL1GWE
14200.5	17	2017	07	23	<0651>	0651	PXX				CHN	Unid	OTHR 66 pps 7.7 second bursts S6	RF73MF	ZL1GWE
14220	20	2017	07	13	<1005>	1005	PXX				CHN	Unid	OTHR 66 pps S3	RF73MF	ZL1GWE

14242		2017	07	15	<0744>	0744	PXX				RUS	Unid	Russian AT3004D Modem 12 channels with one guard band S4	RF73MF	ZL1GWE
14274.5	13	2017	07	25	<2310>	2310	PXX				CHN	Unid	OTHR 66 pps 3.5 second bursts S7 Chinese	RF73MF	ZL1GWE
14276.5	21	2017	07	25	<2330>	2330	PXX				CHN	Unid	OTHR 66 pps 3.6 second bursts S7 Chinese	RF73MF	ZL1GWE
14278.5	15	2017	07	23	<0651>	0651	PXX				CHN	Unid	OTHR 66 pps 7.6 second bursts S6 Chinese	RF73MF	ZL1GWE
14285.5	11	2017	07	10	<0723>	0723	PXX				CHN	Unid	OTHR 66 pps 7.45 second bursts S5	RF73MF	ZL1GWE
14291.5	50.5	2017	07	19	<2238>	2238	PXX				CHN	Unid	OTHR 7.6 second bursts Chinese S9 + 10 dBm 67 pps	RF73MF	ZL1GWE
14344.5	11	2017	07	10	<0723>	0723	PXX				CHN	Unid	OTHR 66 pps 7.45 second bursts S7	RF73MF	ZL1GWE
14338		2016	07	30	<2100>	2100	XXX				?	Unid	High Speed data transmission unidentified S8	RF73HM	ZL3CX
18111.5	159	2016	07	24	<0456>	0456	PXX				?	Unid	OTHR S4 18 pps 159 kHz wide 52 seconds long	RF73MF	ZL1GWE

WIA: 407 observations

Freq kHz	BW	YYYY	MM	DD	GMT	UTC	Emm	Bd	Sft	Hdg	ADM	ID	Description	Grid	Society	Notes
3500,0	1	2017	7	8	2000		A1A					R	R, V CHIRP & HUM	QG62an	WIA	VK4TJ
3500,0		2017	7	17	2000		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
3502,0		2017	7	17	2000		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
3503,7		2017	7	8	2000		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
3504,3		2017	7	17	1950		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
3505,0	1	2017	7	12	1945		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
3506,5		2017	7	17	1950		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
3508,6		2017	7	17	1950		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
3509,0		2017	7	19	1910		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
3510,9		2017	7	17	1950		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
3513,0		2017	7	17	1945		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
3515,2		2017	7	17	1945		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
3515,8	3	2017	7	26	1950		J3E/U						JAPANESE FISHBOATS	QG62an	WIA	VK4TJ
3517,6		2017	7	17	1955		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
3519,0		2017	7	19	1915		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
3519,6		2017	7	17	1955		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
3521,7		2017	7	17	1955		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
3522,6		2017	7	17	1955		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
3523,0	5	2017	7	26	1955		G7D						DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
3525,0	50	2017	7	12	1945		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
3527,0	1	2017	7	8	2005		F1B		250				DAILY, IDLING	QG62an	WIA	VK4TJ
3529,0	1	2017	7	8	1955		F1B						SELCALL TONES	QG62an	WIA	VK4TJ

3529,5		2017	7	26	1955		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
3530,0	3	2017	7	8	1955		J3E/U						ASIAN, FOLLOWS SELCALL	QG62an	WIA	VK4TJ
3530,0	50	2017	7	1	1915		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
3530,5		2017	7	17	1945		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
3531,0		2017	7	17	1940		A1A				RUS	REA4	NUMBER CIPHER	QG62an	WIA	VK4TJ
3531,0	5	2017	7	1	1920		G7D				RUS	REA4	DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
3532,0	3	2017	7	1	1920		G1D						RHYTHMIC BURSTS	QG62an	WIA	VK4TJ
3535,0		2017	7	11	2050		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
3535,0	3	2017	7	4	1920		J3E/U						JAPANESE FISHBOATS	QG62an	WIA	VK4TJ
3535,2	3	2017	7	1	0850		J3E/U						ASIAN. SOUNDS CHINESE	QG62an	WIA	VK4TJ
3540,0	2	2017	7	31	2120		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
3545,0	60	2017	7	19	1920		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
3547,0	3	2017	7	8	2010		J3E/U						ASIAN, FOLLOWED G7D ON 3549	QG62an	WIA	VK4TJ
3549,0	3	2017	7	8	2010		G7D						RHYTHMIC BURSTS	QG62an	WIA	VK4TJ
3550,0		2017	7	8	2010		A1A						NUMBER CIPHER	QG62an	WIA	VK4TJ
3553,0	5	2017	7	21	2100		G1D						BROAD PSK	QG62an	WIA	VK4TJ
3559,8	3	2017	7	30	2130		J3E/U				JPN		JAPANESE FISHBOATS	QG62an	WIA	VK4TJ
3560,0	10	2017	7	30	1930		A3E				NKR		VOICE OF KOREA (SPANISH)	QG62an	WIA	VK4TJ
3560,0		2017	7	30	0920		N0N				NKR		RADIO PYONGYANG TUNING UP	QG62an	WIA	VK4TJ
3560,0	3	2017	7	1	2140		J3E/U				JPN		JAPANESE FISHBOATS	QG62an	WIA	VK4TJ
3564,0	5	2017	7	11	2055		G7D						DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
3568,0		2017	7	1	1920		A1A					NZO6	BEACONING	QG62an	WIA	VK4TJ
3570,5	1	2017	7	11	2055		F1B		250				CONTINUOUS	QG62an	WIA	VK4TJ
3576,0	5	2017	7	30	1940		G7D				RUS	REA4	DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
3585,0	3	2017	7	1	1920		J1C				KOR	HLL2	DAILY, FAX	QG62an	WIA	VK4TJ
3588,0		2017	7	1	0940		A1A				JPN	JJT22	MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
3591,0	5	2017	7	12	1950		G7D						COMPLEX RHYTHMIC BURSTS	QG62an	WIA	VK4TJ
3597,0		2017	7	26	2000		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
3600,0	1	2017	7	22	2110		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
3600,0	5	2017	7	19	1920		G7D						DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
3600,0	5	2017	7	1	1920		G7D						RHYTHMIC BURSTS	QG62an	WIA	VK4TJ
3622,5	3	2017	7	1	0850		J1C				JPN	JMH	DAILY, FAX	QG62an	WIA	VK4TJ
3625,0	60	2017	7	8	2025		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
3626,0	3	2017	7	1	1925		J3E/U				CHN		CHINESE SPEAKERS	QG62an	WIA	VK4TJ
3630,0	3	2017	7	1	0855		J3E/U						ASIAN, SOUNDS CHINESE	QG62an	WIA	VK4TJ
3633,0	5	2017	7	19	1920		G7D						RHYTHMIC BURSTS WITH DITS	QG62an	WIA	VK4TJ
3634,0	5	2017	7	11	2055		G7D						DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
3635,0		2017	7	19	1920		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
3637,0	5	2017	7	23	2125		G7D						RHYTHMIC BURSTS	QG62an	WIA	VK4TJ

3642,0		2017	7	1	1925		A1A					3A7D	CALLING DKG6	QG62an	WIA	VK4TJ
3645,0	3	2017	7	15	2005		J3E/U						ASIAN	QG62an	WIA	VK4TJ
3645,5	3	2017	7	22	0925		J3E/U						ASIAN	QG62an	WIA	VK4TJ
3650,0	2	2017	7	15	2005		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
3650,0	60	2017	7	4	1925		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
3660,0	60	2017	7	30	0930		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
3672,0	3	2017	7	27	0905		J3E/U						ASIAN	QG62an	WIA	VK4TJ
3675,0	60	2017	7	12	1955		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
3677,5		2017	7	11	2100		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
3687,0	5	2017	7	11	2100		G7D						DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
3700,0	3	2017	7	15	2010		J3E/L						ASIAN RADIO STATION	QG62an	WIA	VK4TJ
3700,0	50	2017	7	1	1925		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
3715,0	50	2017	7	8	2025		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
3750,0	60	2017	7	4	1925		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
3775,0	60	2017	7	12	1955		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
3777,0		2017	7	1	1925		A1A					RIS9	CALLING M8JF	QG62an	WIA	VK4TJ
3785,0	3	2017	7	26	2000		J3E/U						ASIAN	QG62an	WIA	VK4TJ
3786,5		2017	7	7	2100		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
3788,8	3	2017	7	30	0925		J3E/U						ASIAN	QG62an	WIA	VK4TJ
3791,0		2017	7	1	1925		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
3797,0	5	2017	7	4	1935		G7D						BURSTS, WITH CARRIER TONE	QG62an	WIA	VK4TJ
3798,0	3	2017	7	8	2020		J1C							QG62an	WIA	VK4TJ
3800,0	60	2017	7	8	2025		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
6970,0	100	2017	7	2	2100		P0N						CONTINUOUS, SLOW PULSE RATE	QG62an	WIA	VK4TJ
6998,0	10	2017	7	13	2215		G7D						SOUNDS LIKE RTTY WITH BAD IMD	QG62an	WIA	VK4TJ
6999,0	3	2017	7	9	2125		J3E/U				CHN		CHINESE SPEAKERS	QG62an	WIA	VK4TJ
7000,0	5	2017	7	24	0915		G1D						BURSTS	QG62an	WIA	VK4TJ
7000,0	2	2017	7	20	1010		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
7000,0		2017	7	5	0810		A1A				RUS	D	BEACON SPURIOUS	QG62an	WIA	VK4TJ
7000,0	3	2017	7	1	0830		J3E/U				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7002,0	3	2017	7	4	0645		J3E/U						ASIAN	QG62an	WIA	VK4TJ
7004,0	3	2017	7	1	2140		J3E/U						ASIAN FISHBOATS	QG62an	WIA	VK4TJ
7005,0	3	2017	7	1	0830		J3E/L				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7005,0	3	2017	7	1	0830		J3E/U				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7008,0	1	2017	7	1	1955		F1B		250				BURSTS	QG62an	WIA	VK4TJ
7008,0	3	2017	7	2	2125		J3E/U						ASIAN	QG62an	WIA	VK4TJ
7010,0	3	2017	7	1	0920		J3E/L				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7010,0	3	2017	7	4	0850		J3E/U				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7011,0	3	2017	7	18	0925		J3E/U				CHN		CHINESE, READING LIST (TWICE)	QG62an	WIA	VK4TJ
7011,0	5	2017	7	16	0840		G7D						DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
7012,0	1	2017	7	22	2120		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
7012,0	5	2017	7	31	2305		G1D						BROAD PSK	QG62an	WIA	VK4TJ

7012,0	3	2017	7	1	0820		J3E/U				RUS		RUSSIAN LANGUAGE	QG62an	WIA	VK4TJ
7012,5	3	2017	7	22	2140		J3E/U						ASIAN	QG62an	WIA	VK4TJ
7013,0	5	2017	7	1	0820		G7D						DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
7014,0	3	2017	7	16	0845		J3E/L						CHINESE. NO CALLS – EVER	QG62an	WIA	VK4TJ
7015,0	1	2017	7	22	2120		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
7015,0	3	2017	7	1	0830		J3E/L				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7015,0	3	2017	7	5	0840		J3E/U				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7018,5	3	2017	7	28	2115		J3E/U						ASIAN	QG62an	WIA	VK4TJ
7020,0	2	2017	7	31	2305		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
7020,0	3	2017	7	1	0830		J3E/L				INS		DAILY, VILLAGE RADIO, CHANTING	QG62an	WIA	VK4TJ
7020,0	3	2017	7	1	0830		J3E/U				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7025,0	1	2017	7	22	2120		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
7025,0	3	2017	7	31	2140		J3E/L						SINGING, SOUNDS ARABIC	QG62an	WIA	VK4TJ
7025,0	3	2017	7	1	0920		J3E/L				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7025,0	3	2017	7	11	0810		J3E/U				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7029,0	3	2017	7	5	0820		J3E/L						ASIAN	QG62an	WIA	VK4TJ
7029,0	3	2017	7	21	2105		J3E/U						ASIAN	QG62an	WIA	VK4TJ
7030,0	5	2017	7	4	0905		G1D						CONTINUOUS	QG62an	WIA	VK4TJ
7030,0	3	2017	7	1	0830		J3E/L				INS		DAILY, VILLAGE RADIO, CHANTING	QG62an	WIA	VK4TJ
7030,0	3	2017	7	2	0855		J3E/U				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7033,0	3	2017	7	6	2155		J3E/U						ASIAN	QG62an	WIA	VK4TJ
7035,0	3	2017	7	2	0855		J3E/L				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7035,0	3	2017	7	17	0900		J3E/U				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7039,3		2017	7	1	0830		A1A				RUS	D	DAILY, BEACON	QG62an	WIA	VK4TJ
7039,4		2017	7	14	1030		A1A				RUS	M	DAILY, BEACON	QG62an	WIA	VK4TJ
7040,4	3	2017	7	2	0900		J3E/U						ASIAN	QG62an	WIA	VK4TJ
7046,0	1	2017	7	12	2015		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
7050,0	2	2017	7	4	0755		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
7050,0	3	2017	7	1	2145		J3E/U						ASIAN	QG62an	WIA	VK4TJ
7052,7	3	2017	7	25	2005		J3E/U						ASIAN	QG62an	WIA	VK4TJ
7054,0	3	2017	7	22	2125		J3E/U						ASIAN	QG62an	WIA	VK4TJ
7057,0	1	2017	7	21	0930		F1B						IDLING	QG62an	WIA	VK4TJ
7059,0	3	2017	7	13	2215		J3E/U						ASIAN	QG62an	WIA	VK4TJ
7059,0		2017	7	12	0900		A1A				RUS	D	BEACON SPURIOUS	QG62an	WIA	VK4TJ
7064,0		2017	7	21	0935		A1A					JOQ5	VVV	QG62an	WIA	VK4TJ
7066,0		2017	7	3	2125		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
7070,0	3	2017	7	19	1930		J3E/U						SOUNDS ARABIC. NO CALLS, EVER	QG62an	WIA	VK4TJ
7078,0	5	2017	7	28	2120		G1D						RHYTHMIC BURSTS	QG62an	WIA	VK4TJ
7079,8	3	2017	7	1	1930		J3E/U						SOUNDS ARABIC. NO CALLS, EVER	QG62an	WIA	VK4TJ
7090,0	3	2017	7	1	2145		J3E/U						ASIAN, SOUNDS CHINESE	QG62an	WIA	VK4TJ
7090,0	40	2017	7	12	0940		VXX						CODAR	QG62an	WIA	VK4TJ
7092,0	1	2017	7	30	2135		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
7095,5	3	2017	7	13	2220		J3E/U						ASIAN, NO CALLS – EVER	QG62an	WIA	VK4TJ
7100,0	3	2017	7	17	0845		J3E/U						DAILY, ASIAN	QG62an	WIA	VK4TJ

7102,0	1	2017	7	1	1015		F1B		250				BURSTS	QG62an	WIA	VK4TJ
7103,0	1	2017	7	2	2050		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
7104,0	1	2017	7	15	0945		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
7104,0	1	2017	7	1	1935		F1B						BURSTS	QG62an	WIA	VK4TJ
7105,0	3	2017	7	15	0945		J3E/L						ASIAN MUSIC	QG62an	WIA	VK4TJ
7105,0	1	2017	7	1	1015		F1B		250				BURSTS	QG62an	WIA	VK4TJ
7108,0	1	2017	7	1	0925		F1B		250				BURSTS	QG62an	WIA	VK4TJ
7114,0	1	2017	7	1	0835		F1B		250				BURSTS	QG62an	WIA	VK4TJ
7116,0		2017	7	8	1005		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
7118,0	3	2017	7	31	2005		J3E/U						ARABIC	QG62an	WIA	VK4TJ
7118,0	3	2017	7	15	0950		J3E/U						CHINESE ROBOT VOICE READING LIST	QG62an	WIA	VK4TJ
7118,0	5	2017	7	4	1000		G7D						DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
7119,0		2017	7	19	1025		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
7120,0	8	2017	7	1	1935		A3E				SOM		RADIO HARGEISA	QG62an	WIA	VK4TJ
7122,0	3	2017	7	15	1005		G7D						RHYTHMIC BURSTS	QG62an	WIA	VK4TJ
7125,0	3	2017	7	15	1015		J3E/U				INS		BAHASA – NO CALLS, EVER.	QG62an	WIA	VK4TJ
7127,0	5	2017	7	21	0855		G1D						BURSTS	QG62an	WIA	VK4TJ
7131,0	5	2017	7	2	0550		G1D						BURSTS	QG62an	WIA	VK4TJ
7135,0	2	2017	7	3	2115		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
7139,0	1	2017	7	15	2030		F1B		250				CONTINUOUS	QG62an	WIA	VK4TJ
7139,0	3	2017	7	1	1935		J3E/U						ASIAN	QG62an	WIA	VK4TJ
7141,0	1	2017	7	1	0930		F1B		250				BURSTS	QG62an	WIA	VK4TJ
7144,0	1	2017	7	1	0930		F1B		250				BURSTS	QG62an	WIA	VK4TJ
7145,0	2	2017	7	7	0740		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
7150,0	40	2017	7	21	0940		VXX						CODAR	QG62an	WIA	VK4TJ
7150,0	5	2017	7	1	1935		G1D						BROAD PSK	QG62an	WIA	VK4TJ
7150,0	2	2017	7	31	0710		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
7151,0	3	2017	7	2	0910		J3E/U						DAILY, ASIAN	QG62an	WIA	VK4TJ
7161,0	5	2017	7	1	1935		G1D						BROAD PSK	QG62an	WIA	VK4TJ
7170,0	40	2017	7	3	2115		VXX						CODAR	QG62an	WIA	VK4TJ
7181,7	3	2017	7	29	0915		J3E/U						ASIAN	QG62an	WIA	VK4TJ
7182,0		2017	7	22	0915		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
7183,0	3	2017	7	21	0940		J3E/U						ASIAN	QG62an	WIA	VK4TJ
7185,0	3	2017	7	17	2005		J3E/U						ASIAN	QG62an	WIA	VK4TJ
7185,5	3	2017	7	11	0825		J3E/U						ASIAN	QG62an	WIA	VK4TJ
7192,0	3	2017	7	4	1950		J3E/U						ASIAN	QG62an	WIA	VK4TJ
7193,3	3	2017	7	1	0835		J3E/U						DAILY, ASIAN FISHBOATS	QG62an	WIA	VK4TJ
7200,0	10	2017	7	2	2125		A3E						SW BROADCAST	QG62an	WIA	VK4TJ
7201,0	3	2017	7	15	1020		J3E/U						ASIAN	QG62an	WIA	VK4TJ
7232,1		2017	7	21	0915		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7235,2		2017	7	21	0910		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7238,5		2017	7	21	0910		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7240,1		2017	7	21	0910		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ

7243,3		2017	7	21	0910		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7246,6		2017	7	21	0910		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7249,6		2017	7	21	0910		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7251,1		2017	7	21	0910		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7254,0		2017	7	16	0915		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
7254,4		2017	7	16	0915		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7257,6		2017	7	21	0905		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7259,0		2017	7	16	0915		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7262,4		2017	7	16	0915		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7265,0	5	2017	7	4	1955		G7D						DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
7265,6		2017	7	15	1025		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7267,1		2017	7	16	0910		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7268,8		2017	7	15	1025		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7270,2		2017	7	16	0910		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7271,9		2017	7	16	0910		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7273,6		2017	7	15	1025		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7276,5		2017	7	15	1025		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7280,0		2017	7	15	1025		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7281,3		2017	7	15	1025		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7282,9		2017	7	15	1025		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7284,5		2017	7	15	1025		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7287,0	3	2017	7	12	0905		J3E/U						ASIAN	QG62an	WIA	VK4TJ
7287,8		2017	7	15	1025		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7291,1		2017	7	16	0905		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7292,8		2017	7	16	0905		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7293,5	3	2017	7	16	0905		J3E/L						ASIAN FISHBOATS	QG62an	WIA	VK4TJ
7295,6		2017	7	16	0900		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7298,8		2017	7	16	0900		A1A						DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
10115,0	2	2017	7	12	2020		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
10120,0	20	2017	7	17	2255		VXX						CODAR	QG62an	WIA	VK4TJ
10125,0	20	2017	7	2	2130		VXX						CODAR	QG62an	WIA	VK4TJ
10130,0	20	2017	7	1	1945		VXX						CODAR	QG62an	WIA	VK4TJ
10145,0	10	2017	7	19	1935		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
13995,0	20	2017	7	24	2215		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
13999,0	3	2017	7	10	0735		J3E/U						ASIAN	QG62an	WIA	VK4TJ
14000,0	3	2017	7	3	2350		J3E/U						ASIAN, FISHBOATS, ENGINE NOISE	QG62an	WIA	VK4TJ
14005,0	10	2017	7	24	2215		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14008,0	1	2017	7	10	0845		F1B		250				OFF AT 0925	QG62an	WIA	VK4TJ
14010,0	20	2017	7	10	0040		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14011,0	3	2017	7	13	0755		J3E/U						ASIAN	QG62an	WIA	VK4TJ
14013,0	1	2017	7	25	1010		F1B		250				SINGLE BURST	QG62an	WIA	VK4TJ
14014,0	3	2017	7	7	0830		J3E/U						ASIAN	QG62an	WIA	VK4TJ
14014,0	1	2017	7	5	0600		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
14015,0	20	2017	7	10	0040		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ

14018,0	5	2017	7	7	0850		G7D						BURSTS	QG62an	WIA	VK4TJ
14020,0	20	2017	7	18	0745		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14020,0	2	2017	7	10	0855		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
14020,0	3	2017	7	10	0900		J3E/L						ASIAN	QG62an	WIA	VK4TJ
14025,0	2	2017	7	7	0820		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
14025,0	20	2017	7	3	0810		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14040,0	2	2017	7	26	0005		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
14040,0	10	2017	7	21	0245		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14044,0	3	2017	7	17	2245		J3E/U						DAILY, ASIAN	QG62an	WIA	VK4TJ
14045,0	20	2017	7	18	0725		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14048,0	3	2017	7	5	2235		J3E/U				PHL		DAILY, TAGALOG SPEAKERS	QG62an	WIA	VK4TJ
14050,0	10	2017	7	21	2220		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14050,0	3	2017	7	6	0710		J3E/U						ASIAN	QG62an	WIA	VK4TJ
14054,0	10	2017	7	20	<0545>		P0N				CHN		OHR 66pps for 6 secs every 15sec in tandem with 14183 and 14316	QF22md	WIA	VK3MV
14055,0	10	2017	7	24	2220		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14055,0	20	2017	7	20	0545		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14056,0	3	2017	7	4	0200		J3E/U						ASIAN	QG62an	WIA	VK4TJ
14060,0	20	2017	7	31	0055		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14061,0	0,5	2017	7	25	<0300		A1A				CHN?		4 figure groups	OL72	WIA	VK3MV
14065,0	20	2017	7	27	0805		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14068,0	1	2017	7	25	0855		F1B		250				CONTINUOUS	QG62an	WIA	VK4TJ
14101,1	3	2017	7	1	0150		J3E/U						ASIAN FISHBOATS	QG62an	WIA	VK4TJ
14105,0	20	2017	7	3	0855		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14108,0		2017	7	10	0730		A1A					SLQ	DAILY, LETTER CIPHER	QG62an	WIA	VK4TJ
14110,0	1	2017	7	31	1010		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
14110,0	20	2017	7	8	2305		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14115,0	20	2017	7	27	0020		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14116,0	3	2017	7	10	0725		J3E/U				CHN		CHINESE, READING LIST TWICE	QG62an	WIA	VK4TJ
14116,0	1	2017	7	7	1030		F1B		250				CONTINUOUS	QG62an	WIA	VK4TJ
14120,0	20	2017	7	8	0925		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14127,0	5	2017	7	16	2245		G7D						BURSTS	QG62an	WIA	VK4TJ
14130,0	20	2017	7	6	0925		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14135,0	20	2017	7	4	2355		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14140,0	20	2017	7	10	0530		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14141,4	3	2017	7	1	0845		J3E/U						ASIAN. NO CALLS, EVER	QG62an	WIA	VK4TJ
14144,0		2017	7	7	0845		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
14145,0	20	2017	7	3	0830		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14150,0	20	2017	7	24	2220		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14151,5	3	2017	7	16	2335		J3E/U						DAILY, ASIAN	QG62an	WIA	VK4TJ
14155,0	20	2017	7	9	0840		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14160,0	3	2017	7	28	2125		J3E/L						ASIAN, FISHBOATS, ENGINE NOISE	QG62an	WIA	VK4TJ
14160,0	20	2017	7	5	0000		P0N						OTHR, BURSTS, SLOW PULSE RATE	QG62an	WIA	VK4TJ
14165,0	20	2017	7	3	0815		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14169,0	3	2017	7	31	1025		J3E/L						ASIAN	QG62an	WIA	VK4TJ

14170,0	160	2017	7	12	0325		P0N						OTHR, LONG BURSTS, SLOW PULSE RATE	QG62an	WIA	VK4TJ
14170,0	20	2017	7	6	0850		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14175,0	20	2017	7	24	0750		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14180,0	20	2017	7	10	0535		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14185,0	20	2017	7	20	0545		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14190,0	20	2017	7	26	0220		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14200,0	20	2017	7	15	2255		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14201,5	3	2017	7	5	0855		G7D						+ F1B + A1A (DITS)	QG62an	WIA	VK4TJ
14201,5	3	2017	7	28	<0700->		J3E			CHN			1sec pulse with data bursts	OL27	WIA	VK3MV
14208,8	3	2017	7	1	0845		J3E/U						ASIAN FAMILY NET	QG62an	WIA	VK4TJ
14210,0	20	2017	7	15	0745		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14214,0		2017	7	18	840		A1A				REE5		QSW? QSW?	QG62an	WIA	VK4TJ
14215,0	20	2017	7	31	0635		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14218,0	10	2017	7	19	<2215-2221>		P0N			CHN			OHR 66pps 6ses every 15secs	QF22md	WIA	VK3MV
14220,0	20	2017	7	18	0725		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14221,0	1	2017	7	1	0025		F1B		250	KGZ			CONTINUOUS, IDLING	QG62an	WIA	VK4TJ
14225,0	160	2017	7	12	0425		P0N						OTHR, LONG BURSTS, SLOW PULSE RATE	QG62an	WIA	VK4TJ
14225,0	20	2017	7	6	0920		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14230,0	20	2017	7	24	0755		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14235,0	20	2017	7	31	0940		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14235,0	2	2017	7	24	2225		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
14236,0	3	2017	7	31	1025		J3E/L						ASIAN	QG62an	WIA	VK4TJ
14243,0	5	2017	7	7	0855		G7D						BURSTS	QG62an	WIA	VK4TJ
14244,0	5	2017	7	15	0755		G7D			RUS			AT3004D, CONTINUOUS	QG62an	WIA	VK4TJ
14245,0	20	2017	7	18	0725		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14247,8	3	2017	7	31	2030		J3E/L						ASIAN, SOUNDS CHINESE	QG62an	WIA	VK4TJ
14250,0	20	2017	7	6	0930		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14250,0	3	2017	7	6	0835		J3E/L						ASIAN, SOUNDS CHINESE	QG62an	WIA	VK4TJ
14250,0	10	2017	7	14	<0045-0120>		P0N			CHN			OHR 66pps 6ses every 40secs in tandem with 14175	QF22md	WIA	VK3MV
14255,0	20	2017	7	25	2320		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14260,0	20	2017	7	25	2235		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14261,0	5	2017	7	5	0725		G7D						DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
14265,0	20	2017	7	10	0530		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14270,0	20	2017	7	10	0555		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14275,0	20	2017	7	21	2245		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14285,0	20	2017	7	10	0720		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14292,0	10	2017	7	21	<0641-0655>		P0N			CHN			OHR 66pps for 3.5 sec every 30 secs	QF22md	WIA	VK3MV
14295,0	20	2017	7	15	2255		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14295,0	15	2017	7	1	0155		A3E			TJK			3RD HARMONIC RADIO TADJIKISTAN	QG62an	WIA	VK4TJ

14300,0	2	2017	7	3	0750		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
14300,0	20	2017	7	31	2145		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
14300,0	20	2017	7	14	2230		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14305,0	20	2017	7	3	0810		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14310,0	20	2017	7	8	0840		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14312,0		2017	7	11	0905		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
14315,0	20	2017	7	7	0645		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14320,0	20	2017	7	24	0800		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14325,0	20	2017	7	6	0835		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14330,0	20	2017	7	7	0645		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14333,3	3	2017	7	25	2300		J3E/L						ASIAN	QG62an	WIA	VK4TJ
14335,0	20	2017	7	31	0935		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14340,0	20	2017	7	15	0745		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14344,4	3	2017	7	24	2345		J3E/U						ASIAN	QG62an	WIA	VK4TJ
14345,0	20	2017	7	3	0750		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14350,0	20	2017	7	25	0905		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14355,0	20	2017	7	18	0730		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
18065,0	30	2017	7	12	0045		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
18080,0	3	2017	7	10	0655		J3E/U						ASIAN	QG62an	WIA	VK4TJ
18080,0	2	2017	7	10	0655		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
18080,0	10	2017	7	10	0600		A3E						SW BROADCAST	QG62an	WIA	VK4TJ
18108,0	1	2017	7	31	2300		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
18115,0	2	2017	7	2	0345		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
18115,0	3	2017	7	2	0345		J3E/U						ASIAN FAMILY NET	QG62an	WIA	VK4TJ
21000,0	3	2017	7	7	0215		J3E/U						ASIAN	QG62an	WIA	VK4TJ
21000,0		2017	7	11	0315		N0N							QG62an	WIA	VK4TJ
21050,0	20	2017	7	13	0625		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21113,0	1	2017	7	13	2355		F1B		250				CONTINUOUS	QG62an	WIA	VK4TJ
21150,0	9	2017	7	28	0225		J3E/L				INS		3RD HARMONIC OF YB INTRUDER	QG62an	WIA	VK4TJ
21240,0	20	2017	7	3	0335		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21245,0	20	2017	7	19	0650		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21250,0	20	2017	7	17	0505		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21252,5	3	2017	7	7	0225		J3E/U						ASIAN FISHBOATS	QG62an	WIA	VK4TJ
21270,0	20	2017	7	25	0405		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21280,0	20	2017	7	17	0645		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21285,0	20	2017	7	6	0000		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21305,0	20	2017	7	13	0245		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21335,0	20	2017	7	3	0335		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21370,0	20	2017	7	17	0645		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21375,0	20	2017	7	7	0650		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21380,0	20	2017	7	19	0655		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21405,0	20	2017	7	7	0400		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21415,0	15	2017	7	16	0340		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21420,0	20	2017	7	17	0645		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ

21425,0	20	2017	7	7	0235		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21450,0	2	2017	7	25	0100		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
24975,0	8	2017	7	3	0150		F3E						ASIAN	QG62an	WIA	VK4TJ
28015,0	6	2017	7	18	0025		A3E						ASIAN	QG62an	WIA	VK4TJ
28035,0	6	2017	7	18	0105		A3E						ASIAN	QG62an	WIA	VK4TJ
28065,0	6	2017	7	18	0030		A3E						ASIAN	QG62an	WIA	VK4TJ
28075,0	6	2017	7	18	0110		A3E						ASIAN	QG62an	WIA	VK4TJ
28085,0	6	2017	7	18	0030		A3E						ASIAN	QG62an	WIA	VK4TJ
28115,0	6	2017	7	18	0115		A3E						ASIAN	QG62an	WIA	VK4TJ
28175,0	8	2017	7	18	0030		F3E						ASIAN	QG62an	WIA	VK4TJ
28195,0	6	2017	7	18	0030		A3E						ASIAN	QG62an	WIA	VK4TJ
28205,0	6	2017	7	18	0120		A3E						ASIAN	QG62an	WIA	VK4TJ
28215,0	6	2017	7	18	0120		A3E						ASIAN	QG62an	WIA	VK4TJ
28255,0	6	2017	7	18	0035		A3E						ASIAN	QG62an	WIA	VK4TJ
28275,0	6	2017	7	18	0035		A3E						ASIAN	QG62an	WIA	VK4TJ
28285,0	6	2017	7	18	0035		A3E						ASIAN	QG62an	WIA	VK4TJ
28295,0	6	2017	7	18	0035		A3E						ASIAN	QG62an	WIA	VK4TJ
28305,0	6	2017	7	18	0035		A3E						ASIAN	QG62an	WIA	VK4TJ
28315,0	6	2017	7	18	0035		A3E						ASIAN	QG62an	WIA	VK4TJ
28325,0	6	2017	7	18	0035		A3E						ASIAN	QG62an	WIA	VK4TJ
28335,0	6	2017	7	18	0035		A3E						ASIAN	QG62an	WIA	VK4TJ
28365,0	6	2017	7	18	0040		A3E						ASIAN	QG62an	WIA	VK4TJ
28375,0	6	2017	7	18	0040		A3E						ASIAN	QG62an	WIA	VK4TJ
28385,0	6	2017	7	18	0040		A3E						ASIAN	QG62an	WIA	VK4TJ
28405,0	6	2017	7	18	0130		A3E						ASIAN	QG62an	WIA	VK4TJ
28455,0	6	2017	7	18	0040		A3E						ASIAN	QG62an	WIA	VK4TJ
28465,0	6	2017	7	18	0045		A3E						ASIAN	QG62an	WIA	VK4TJ
28485,0	6	2017	7	18	0045		A3E						ASIAN	QG62an	WIA	VK4TJ
28515,0	6	2017	7	18	0045		A3E						ASIAN	QG62an	WIA	VK4TJ
28525,0	6	2017	7	18	0045		A3E						ASIAN	QG62an	WIA	VK4TJ
28555,0	6	2017	7	18	0045		A3E						ASIAN	QG62an	WIA	VK4TJ
28575,0	6	2017	7	18	0140		A3E						ASIAN	QG62an	WIA	VK4TJ
28595,0	6	2017	7	18	0045		A3E						ASIAN	QG62an	WIA	VK4TJ
28615,0	6	2017	7	18	0045		A3E						ASIAN	QG62an	WIA	VK4TJ
28645,0	6	2017	7	18	0050		A3E						ASIAN	QG62an	WIA	VK4TJ
28655,0	6	2017	7	18	0050		A3E						ASIAN	QG62an	WIA	VK4TJ
28705,0	6	2017	7	18	0050		A3E						ASIAN	QG62an	WIA	VK4TJ
28715,0	6	2017	7	18	0050		A3E						ASIAN	QG62an	WIA	VK4TJ
28725,0	6	2017	7	18	0050		A3E						ASIAN	QG62an	WIA	VK4TJ
28735,0	6	2017	7	18	0050		A3E						ASIAN	QG62an	WIA	VK4TJ
28745,0	6	2017	7	18	0050		A3E						ASIAN	QG62an	WIA	VK4TJ
28755,0	6	2017	7	18	0050		A3E						ASIAN	QG62an	WIA	VK4TJ
28795,0	6	2017	7	18	0055		A3E						ASIAN	QG62an	WIA	VK4TJ
28835,0	2	2017	7	18	0055		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ

28925,0	6	2017	7	18	0055		A3E						ASIAN	QG62an	WIA	VK4TJ
28935,0	6	2017	7	18	0055		A3E						ASIAN	QG62an	WIA	VK4TJ

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