INTERNATIONAL AMATEUR RADIO UNION

REGION THREE

MONITORING SYSTEM NEWS LETTER

April 2019 **Titon Dutono, YB3PET**

Reports for April 2019 was received from the JARL, NZART and WIA.

For period of April 2019 there were 84 observations from JARL, 40 observations from NZART, and 25 observations from WIA. By this month sampling, there are a total 149 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	A1A	RUS	BEACON
		USB(U)	CHN	Probably Chinese Coast Guard Mobile sending GPS data (*)
2	20m	PXX	CHN	OTHR
3.	15m	PXX	CHN	OTHR

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(*)Note from WIA: Appears legitimate refer ITU-RR Footnote 5.141B; Additional allocation: in Algeria, Saudi Arabia, Australia, Bahrain, Botswana, Brunei Darussalam, China, Comoros, Korea (Rep. of), Diego Garcia, Djibouti, Egypt, United Arab Emirates, Eritrea, Guinea, Indonesia, Iran (Islamic Republic of), Japan, Jordan, Kuwait, Libya, Mali, Morocco, Mauritania, Niger, New Zealand, Oman, Papua New Guinea, Qatar, the Syrian Arab Republic, Singapore, Sudan, South Sudan, Tunisia, Viet Nam and Yemen, the frequency band 7 100-7 200 kHz is also allocated to the fixed and the mobile, except aeronautical mobile (R), services on a primary basis. (WRC-15)

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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

Attachments of Data Report

JARL: 84 observations

kHz	BW	YYYY	MM	DD	UTC	Emm	Bd	Sft	Hdg	ADM	ID		Grid	Society
7039	0.5	2019	04	04	1220	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	04	1410	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	05	1030	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	05	1210	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	06	1040	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	06	1220	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	07	1030	A1A			37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	07	1034	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	07	1208	A1A			37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	07	1212	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	08	1030	A1A			37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	08	1034	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	09	1040	A1A			37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	09	1044	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	09	1202	A1A			37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	09	1206	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	10	1030	A1A			37	RUS	M--signal	Beacon K--AM signal	PM 97	JARL
7039	0.5	2019	04	10	1034	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	11	1026	A1A			37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	11	1030	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	12	1030	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	13	1032	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	13	1210	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	13	1410	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	14	0900	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	14	1030	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	14	1210	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	14	1410	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	15	1030	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	15	1034	A1A			37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	15	1210	A1A			37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	15	1402	A1A			37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	16	1030	A1A			37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	16	1034	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	16	1202	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	16	1402	A1A			37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	16	1604	A1A			37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	16	1606	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	17	1030	A1A			37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	17	1034	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	17	1200	A1A			37	RUS	K--signal	Beacon	PM 97	JARL

7039	0.5	2019	04	17	1202	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	17	1406	A1A			37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	17	1604	A1A			37	RUS	K--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	18	1032	A1A			37	RUS	K--signal	Beacon K---A signal	PM 97	JARL
7039	0.5	2019	04	18	1034	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	18	1204	A1A			37	RUS	K--signal	Beacon K---A signal	PM 97	JARL
7039	0.5	2019	04	18	1206	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	18	1402	A1A			37	RUS	K--signal	Beacon K---A signal	PM 97	JARL
7039	0.5	2019	04	18	1404	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	18	1610	A1A			37	RUS	K--signal	Beacon K---A signal	PM 97	JARL
7039	0.5	2019	04	18	1612	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	19	1030	A1A			37	RUS	K--signal	Beacon K---A signal	PM 97	JARL
7039	0.5	2019	04	19	1032	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	19	1204	A1A			37	RUS	K--signal	Beacon K---A signal	PM 97	JARL
7039	0.5	2019	04	19	1206	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	19	1410	A1A			37	RUS	K--signal	Beacon K---A signal	PM 97	JARL
7039	0.5	2019	04	20	1030	A1A			37	RUS	K--signal	Beacon K---A signal	PM 97	JARL
7039	0.5	2019	04	20	1032	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	20	1210	A1A			37	RUS	K--signal	Beacon K---A signal	PM 97	JARL
7039	0.5	2019	04	20	1212	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	20	1408	A1A			37	RUS	K--signal	Beacon K---A signal	PM 97	JARL
7039	0.5	2019	04	20	1410	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	20	1620	A1A			37	RUS	K--signal	Beacon K---A signal	PM 97	JARL
7039	0.5	2019	04	21	1002	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	21	1004	A1A			37	RUS	K--signal	Beacon K---A signal	PM 97	JARL
7039	0.5	2019	04	21	1202	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	21	1204	A1A			37	RUS	K--signal	Beacon K---A signal	PM 97	JARL
7039	0.5	2019	04	21	1402	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	21	1404	A1A			37	RUS	K--signal	Beacon K---A signal	PM 97	JARL
7039	0.5	2019	04	22	1032	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	23	1030	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	24	1030	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	25	1030	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	25	1202	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	26	1030	A1A			15	RUS	M--signal	Beacon M---signal disorder	PM 97	JARL
7039	0.5	2019	04	26	1206	A1A			15	RUS	M--signal	Beacon M---signal disorder	PM 97	JARL
7039	0.5	2019	04	27	1030	A1A			15	RUS	M--signal	Beacon M---signal disorder	PM 97	JARL
7039	0.5	2019	04	28	1000	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	29	1030	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	30	1030	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2019	04	30	1210	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039.6	0.5	2019	04	15	12:30	A1A						train of "K","M"	PM84XT	JARL
7142.0	3.0	2019	04	23	12:20	Jamming						Signal RS:59	PM84XT	JARL

NZART: 40 observations

kHz	BW	YYYY	MON	DD	GMT	UTC	Emm	ADM	ID	Description	Grid	Society
7080	12	2019	04	25	<0727>	0727	PXX	CHN	Unid	OTHR S2 67 pps Chinese	RF73MF	ZL1GWE
14040	10	2019	04	22	<0624>	0624	PXX	RUS	Unid	OTHR S2 50 pps Russian 5 second bursts	RF73MF	ZL1GWE
14041.5	11	2019	04	01	<0624>	0624	PXX	CHN	Unid	OTHR S2 66 pps Chinese 3 second bursts	RF73MF	ZL1GWE
14111.5	11	2019	04	06	<0555>	0555	PXX	CHN	Unid	OTHR S2 66 pps Chinese 4.1 seccond bursts	RF73MF	ZL1GWE
14125	160	2019	04	01	<0608>	0608	PXX	CHN	Unid	OTHR S1 14 pps Chinese splattered over 205 kHz 54 seconds burst	RF73MF	ZL1GWE
14127	160	2019	04	25	<0906>	0906	PXX	CHN	Unid	OTHR S7 20 pps Chniese wide bandwidth 18 seconds long burst	RF73MF	ZL1GWE
14144.5	11	2019	04	06	<0559>	0559	PXX		Unid	OTHR S1 26 pps 1 burst QRT 55 seconds later	RF73MF	ZL1GWE
14163.5	15	2019	04	22	<0617>	0617	PXX	CHN	Unid	OTHR S3 66 pps Chinese 3.6 second bursts	RF73MF	ZL1GWE
14210.3	114	2019	04	01	<0535>	0535	PXX	CHN	Unid	OTHR S1 66 pps Chinese 4.05 second bursts repeatedly	RF73MF	ZL1GWE
14219	10	2019	04	22	<0711>	0711	PXX	RUS	Unid	OTHR S2 42 pps Russian 8.9 seconds bursts	RF73MF	ZL1GWE
14226	10	2019	04	22	<0711>	0711	PXX	RUS	Unid	OTHR S2 42 pps Russian 8.9 seconds bursts	RF73MF	ZL1GWE
14230	140	2019	04	25	<0526>	0526	PXX	CHN	Unid	OTHR S4 21 pps Chinese wide bandwidth 28 seconds long burst	RF73MF	ZL1GWE
14231.5	11	2019	04	22	<0623>	0623	PXX	RUS	Unid	OTHR S2 50 pps Russian 5 second bursts	Rf73mF	ZL1GWE
14235.5	11	2019	04	06	<0555>	0555	PXX	CHN	Unid	OTHR S2 66 pps Chinese 4.1 seccond bursts	RF73MF	ZL1GWE
14236	12	2019	04	22	<0617>	0617	PXX	CHN	Unid	OTHR S2 66 pps Chinese 3.6 second bursts	RF73Mf	ZL1GWE
14244	40	2019	04	26	<0101>	0101	PXX	CHN	Unid	OTHR S1 TO S2 Chinese 20 pps varying to 9 pps constant	RF73MF	ZL1GWE
14273.5	159	2019	04	01	<0538>	0538	PXX	CHN	Unid	OTHR S1 very wide bandwidth Chinese	RF73MF	ZL1GWE
14275	152	2019	`04	01	<0643>	0643	PXX	CHN	Unid	OTHR S2 10 PPS Chinese 51 seconds burst	RF73MF	ZL1GWE
14276	10	2019	04	06	<0555>	0555	PXX	CHN	Unid	OTHR S2 66 pps Chinese 4.1 seccond bursts	RF73MF	ZL1GWE
14288	10	2019	04	06	<0648-0650>	0648	PXX		Unid	OTHR continuous S1 to S2 26 pps	RF73MF	ZL1GWE
14290	24	2019	04	06	<0608>	0608	PXX	CHN	Unid	OTHR S5 66 PPS Chinese 4.1 second bursts	RF73MF	ZL1GWE
14297	160	2019	04	01	<0537>	0537	PXX	CHN	Unid	OTHR S1 Very wide bandwidth 51 second burst Chinese 14 pps	RF73MF	ZL1GWE
14297.5	159	2019	04	01	<0557>	0537	PXX	CHN	Unid	OTHR S1 14 pps tail at front of burst 42 second burst	RF73MF	ZL1GWE
14301.5	159	2019	04	01	<0644>	0644	PXX	CHN	Unid	OTHR S2 10 pps Chinese 51 seconds burst	RF73MF	ZL1GWE
14324	10	2019	04	22	<0621>	0621	PXX	RUS	Und	OTHR S2 42 pps Russian 6 second bursts	RF73MF	ZL1GWE
14327	12	2019	04	22	<0617>	0617	PXX	CHN	Unid	OTHR S3 66 pps Chinese 3.6 second bursts	RF73MF	ZL1GWE
14338	34	2019	04	22	<0617>	0617	PXX	CHN	Unid	OTHR S3 66 pps Chinese 3.6 second bursts	RF73MF	ZL1GWE
14338.5	9	2010	04	14	<2202>	2202	PXX	RUS	Unid	OTHR S1 42 pps Russian 6 seconds bursts	RF73MF	ZL1GWE
14344.5	13	2019	04	22	<0617>	0617	PXX	CHN	Unid	OTHR S3 66 pps Chinese 3.6 second bursts	RF73MF	ZL1GWE

14356.5*	11	2019	04	25	<0540>	0540	PXX	RUS	Unid	OTHR S6 66 pps Chinese	RF73MF	ZL1GWE
14357*	11	2019	04	06	<0555>	0555	PXX	CHN	Unid	OTHR S2 66pps Chinese 4.1 second bursts	RF73MF	ZL1GWE
21128	10	2019	04	06	<0408>	0408	PXX	RUS	Unid	OTHR S1 50 pps Russian 5.29 seconds bursts	RF73MF	ZL1GWE
21143.5	11	2019	04	06	<0502.	0502	PXX	CHN	Unid	OTHR S1 42 pps 2.75 second bursts	RF73MF	ZL1GWE
21297	10	2019	04	13	<0622>	0622	PXX	CHN	Unid	OTHR S1 66 pps Chinese 2.5 scond bursts	RF73MF	ZL1GWE
21299	9	2019	04	06	<0404>	0404	PXX	RUS	Unid	OTHR S1 42 pps 6.2 second bursts Russian	RF73MF	ZL1GWE
21321	48	2019	04	13	<0627>	0627	PXX	CHN	Unid	OTHR S4 66 pps Chinese 1.9 seconds with centre starting pulse	RF73MF	ZL1GWE
21338	10	2019	04	13	<0622>	0622	PXX	CHN	Unid	OTHR S2 66 pps Chinese 12.4 second long	RF73MF	ZL1GWE
21321	48	2019	04	15	<0627>	0627	PXX	CHN	Unid	OTHR S4 66 pps 1.9 second bursts with centre starting pulse	RF73MF	ZL1GWE
21371	12	2019	04	13	<0622>	0622	PXX	CHN	Unid	OTHR S4 66 pps Chinese 3.65 seconds long	RF73MF	ZL1GWE
21373.5	9	2019	04	06	<0352>	0352	PXX	RUS	Unid	OTHR 50 pps S3 Russian 4.95 second bursts 2.5 seconds between bursts	RF73MF	ZL1GWE

WIA: 25 observations

Frequency - kHz	Band width kHz	YYYY	MM	DD	GMT/UTC	Emission	Duration Time	Administration	ID Callsign	Description	Grid Locator	Readability/Strength	Society	Comment
14201.0	10	2019	4	26	<0325>	P0N		CHN		OHR 66.6 pps 3 Sec Burst every 40secs	QF22md	S7	WIA	VK3MV
14288.0	10	2019	4	26	<0635>	P0N		CHN		OHR 66.6 pps 4 Sec Burst every 45secs	QF22md	S7	WIA	VK3MV
14220.0	10	2019	4	26	<0635	P0N		CHN		OHR 66.6pps 4 sec Burst every 45 sec	QF22md	S7	WIA	VK3MV
14291.0	10	2019	4	26	<0635>	P0N		CHN		OHR 66.6 4pps sec Burst every 45secs	QF22md	S7	WIA	VK3MV
14346.0	10	2019	4	26	<0638>	P0N		CHN		OHR 66.6 pps 4 Sec Burst every 45 secs	QF22md	S7	WIA	VK3MV
14302.0	10	2019	4	27	<0520>	P0N		CHN		OHR 66.6pps 4Sec Burst every 40 secs	QF22md	S7	WIA	VK3MV
14269.0	10	2019	4	27	<0530	P0N				OHR 50pps Cont	QF22md	S7	WIA	VK3MV
14020.0	10	2019	4	29	<0630	P0N		CHN		OHR 66.6pps 4Sec Burst every 40 secs	QF22md	S9	WIA	VK3MV
14112.0	10	2019	4	29	0630>	P0N		CHN		OHR 66.6pps 4Sec Burst every 40 secs	QF22md	S7	WIA	VK3MV
14131.0	10	2019	4	29	0630>	P0N		CHN		OHR 66.6pps 4Sec Burst every 40 secs	QF22md	S7	WIA	VK3MV
14176.0	10	2019	4	29	0630>	P0N		CHN		OHR 66.6pps 4Sec Burst every 40 secs	QF22md	S9	WIA	VK3MV
14220	10	2019	4	29	0630>	P0N		CHN		OHR 66.6pps 4Sec Burst every 40 secs	QF22md	S9	WIA	VK3MV

7103.42	1	2019	4	4th to 29th April	0900>	USB(u)				CCIR Selcall 493-L Probably Chinese Coast Guard Mobile sending GPS data. Appears legitimate refer ITU Footnote 141B				
7106.39	1	2019	4	4th to 29th April	0900>	USB(u)				CCIR Selcall 493-L Probably Chinese Coast Guard Mobile sending GPS data. Appears legitimate refer ITU Footnote 141B				
7109.36	1	2019	4	4th to 29th April	0900>	USB(u)				CCIR Selcall 493-L Probably Chinese Coast Guard Mobile sending GPS data. Appears legitimate refer ITU Footnote 141B				
7130.33	1	2019	4	4th to 29th April	0900>	USB(u)				CCIR Selcall 493-L Probably Chinese Coast Guard Mobile sending GPS data. Appears legitimate refer ITU Footnote 141B				
7130.33	1	2019	4	4th to 29th April	0900>	USB(u)				CCIR Selcall 493-L Probably Chinese Coast Guard Mobile sending GPS data. Appears legitimate refer ITU Footnote 141B				
7133.48	1	2019	4	4th to 29th April	0900>	USB(u)				CCIR Selcall 493-L Probably Chinese Coast Guard Mobile sending GPS data. Appears legitimate refer ITU Footnote 141B				
7139.24	1	2019	4	4th to 29th April	0900>	USB(u)				CCIR Selcall 493-L Probably Chinese Coast Guard Mobile sending GPS data. Appears legitimate refer ITU Footnote 141B				

7142.2	1	2019	4	4th to 29th April	0900>	USB(u)				CCIR Selcall 493-L Probably Chinese Coast Guard Mobile sending GPS data. Appears legitimate refer ITU Footnote 141B				
7145.17	1	2019	4	4th to 29th April	0900>	USB(u)				CCIR Selcall 493-L Probably Chinese Coast Guard Mobile sending GPS data. Appears legitimate refer ITU Footnote 141B				
7148.33	1	2019	4	4th to 29th April	0900>	USB(u)				CCIR Selcall 493-L Probably Chinese Coast Guard Mobile sending GPS data. Appears legitimate refer ITU Footnote 141B				
7150	1	2019	4	4th to 29th April	0900>	USB(u)				CCIR Selcall 493-L Probably Chinese Coast Guard Mobile sending GPS data. Appears legitimate refer ITU Footnote 141B				
7157.42	1	2019	4	4th to 29th April	0900>	USB(u)				CCIR Selcall 493-L Probably Chinese Coast Guard Mobile sending GPS data. Appears legitimate refer ITU Footnote 141B				
7160	1	2019	4	4th to 29th April	0900>	USB(u)				CCIR Selcall 493-L Probably Chinese Coast Guard Mobile sending GPS data. Appears legitimate refer ITU Footnote 141B				

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