



INTERNATIONAL AMATEUR RADIO UNION

REGION THREE

MONITORING SYSTEM NEWSLETTER



June 2022

Wahyudi Hasbi, YC1PRY

Reports for June 2022 were contributed by ARSI, JARL and NZART.

For this period there were 49 observations from ARSI, 113 observations from JARL and 20 observations from NZART. By this month's sampling, there are a total of 182 observations of intruders made across the Region.

The most prominent intruders are in the following table:

No.	Band	Class Emission	Administration	Description
1	40m	A3E	ETHIO	Announcement in African language & songs were heard.
		A3E	CHN	han-gul talk and music program
		A1A	RUS	Beacon
2	20m	J3E/U	UNID	Male talking in a language similar to sinhala.
		PXX	RUS	OTHR Russian 50 pps 10.5 second bursts S9
3	15m	PXX	CHN	OTHR Chinese 66 pps 4.1 second bursts S7bursts S3

Notes <ARSI>: *Just like last month 40 meter is still occupied by broadcast station radio Ethiopia and Srilankan trawlers are heard rarely, but transmission from unidentified stations speaking in a language similar to Thai was monitored. Sometimes some transmission 15 meters too.*

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. 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: yudi@iaru-r3.org

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

Thanks for your support.

Wahyudi Hasbi YC1PRY

JARL: 113 Observations

kHz	BW	YYYY	MM	DD	UTC	Emm	Bd	Sft	Hdg	ADM	ID	Description	Grid	Society
7039		2022	06	01	1050	non			non	non	non	Beacon	PM97	JARL
7039	0.5	2022	06	02	1050	A1A			37	RUS	K--signal	Beacon	PM97	JARL
7039	0.5	2022	06	03	1050	A1A			37	RUS	K--signal	Beacon	PM97	JARL
7039	0.5	2022	06	04	1050	A1A			37	RUS	K--signal	Beacon	PM97	JARL
7039		2022	06	05	1050	non			non	non	non	non	PM97	JARL
7039		2022	06	06	1050	non			non	non	non	non	PM97	JARL
7039	0.5	2022	06	07	1050	A1A			37	RUS	K--signal	Beacon	PM97	JARL
7039		2022	06	08	1055	non			non	non	non	non	PM97	JARL
7039	0.5	2022	06	09	1040	A1A			37	RUS	K--signal	Beacon	PM97	JARL
7039	0.5	2022	06	10	1050	A1A			15	RUS	M--signal	Beacon	PM97	JARL
7039		2022	06	11	1040	non			non	non	non	non	PM97	JARL
7039	0.5	2022	06	12	1040	A1A			37	RUS	K--signal	Beacon	PM97	JARL
7039	0.5	2022	06	13	1040	non			37	RUS	K--signal	Beacon	PM97	JARL
7039	0.5	2022	06	14	1050	A1A			37	RUS	K--signal	Beacon	PM97	JARL
7039	0.5	2022	06	15	1040	A1A			37	RUS	K--signal	Beacon	PM97	JARL
7039		2022	06	16	1050	non			non	non			PM97	JARL
7039		2022	06	17	1050	non			non	non	non		PM97	JARL
7039		2022	06	17	1220	non			non	non	non		PM97	JARL
7039	0.5	2022	06	18	1040	A1A			37	RUS	K--signal	Beacon	PM97	JARL
7039	0.5	2022	06	18	1044	A1A			15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2022	06	19	1040	A1A			37	RUS	K--signal	Beacon	PM97	JARL
7039		2022	06	20	1040	non			non	non	non	Beacon	PM97	JARL
7039		2022	06	20	1210	non			non	non	non	Beacon	PM97	JARL
7039		2022	06	21	1040	non			non	non	non	Beacon	PM97	JARL
7039		2022	06	21	1205	non			non	non	non	Beacon	PM97	JARL
7039		2022	06	21	1410	non			non	non	non	Beacon	PM97	JARL
7039	0.5	2022	06	22	1040	A1A			37	RUS	K--signal	Beacon	PM97	JARL
7039	0.5	2022	06	22	1205	A1A			37	RUS	K--signal	Beacon	PM97	JARL
7039	0.5	2022	06	22	1410	A1A			37	RUS	K--signal	Beacon	PM97	JARL
7039	0.5	2022	06	23	1050	A1A			37	RUS	K--signal	Beacon	PM97	JARL
7039	0.5	2022	06	23	1205	A1A			37	RUS	K--signal	Beacon	PM97	JARL
7039	0.5	2022	06	23	1310	A1A			37	RUS	K--signal	Beacon	PM97	JARL
7039		2022	06	24	1040	non			non	non	non	Beacon	PM97	JARL
7039		2022	06	24	1205	non			non	non	non	Beacon	PM97	JARL
7039		2022	06	24	1310	non			non	non	non	Beacon	PM97	JARL
7039	0.5	2022	06	25	1040	A1A			37	RUS	K--signal	Beacon	PM97	JARL
7039	0.5	2022	06	25	1205	A1A			37	RUS	K--signal	Beacon	PM97	JARL
7039		2022	06	25	1310	non			non	non	non	Beacon	PM97	JARL
7039	0.5	2022	06	26	1040	A1A			37	RUS	K--signal	Beacon	PM97	JARL

kHz	BW	YYYY	MM	DD	UTC	Emm	Bd	Sft	Hdg	ADM	ID	Description	Grid	Society
7039	0.5	2022	06	26	1205	A1A			37	RUS	K--signal	Beacon	PM97	JARL
7039		2022	06	26	1310	non			non	non	non	Beacon	PM97	JARL
7039	0.5	2022	06	27	1040	A1A			37	RUS	K--signal	Beacon	PM97	JARL
7039	0.5	2022	06	27	1205	A1A			37	RUS	K--signal	Beacon	PM97	JARL
7039		2022	06	27	1310	non			non	non	non	Beacon	PM97	JARL
7039	0.5	2022	06	28	1050	A1A			37	RUS	K--signal	Beacon	PM97	JARL
7039	0.5	2022	06	28	1205	A1A			37	RUS	K--signal	Beacon	PM97	JARL
7039		2022	06	28	1310	non			non	non	non	Beacon	PM97	JARL
7039	0.5	2022	06	29	1040	A1A			37	RUS	K--signal	Beacon	PM97	JARL
7039		2022	06	29	1205	non			non	non	non	Beacon	PM97	JARL
7039		2022	06	29	1310	non			non	non	non	Beacon	PM97	JARL
7039	0.5	2022	06	30	1040	A1A			37	RUS	K--signal	Beacon	PM97	JARL
7039		2022	06	30	1205	non			non	non	non	Beacon	PM97	JARL
7039		2022	06	30	1310	non			non	non	non	Beacon	PM97	JARL
7040.0	0.3	2022	6	14	12:30	A1A						train of "M"	PM84XT	JARL
7040.0	0.3	2022	6	14	12:30	A1A						train of "K"	PM84XT	JARL
7040.0	0.3	2022	6	28	12:34	A1A						train of "M"	PM84XT	JARL
7040.0	0.3	2022	6	28	12:34	A1A						train of "K"	PM84XT	JARL
7055.0	3.0	2022	6	7	12:20	Jamming						Signal RS:59	PM84XT	JARL
7200	3	2022	06	01	1310	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	02	1310	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	03	1310	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	04	1310	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	05	1310	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	06	1310	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	07	1310	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	08	1310	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	09	1310	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	10	1310	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	11	1310	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	12	1310	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	13	1310	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	14	1310	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	15	1310	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	16	1310	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	17	1210	A3E			non	non	non	Russian talk and music program	PM97	JARL
7200	3	2022	06	17	1310	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	18	1205	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	18	1310	A3E			non	non	non	han-gul talk and music program	PM97	JARL

kHz	BW	YYYY	MM	DD	UTC	Emm	Bd	Sft	Hdg	ADM	ID	Description	Grid	Society
7200	3	2022	06	19	1042	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	19	1205	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	19	1310	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	20	1044	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	20	1214	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	21	1044	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	21	1310	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	21	1420	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	22	1044	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	22	1310	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	22	1420	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	23	1052	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	23	1210	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	23	1410	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	24	1044	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	24	1210	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	24	1410	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	25	1044	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	25	1210	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	25	1410	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	26	1044	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	26	1210	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	26	1410	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	27	1044	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	27	1210	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	27	1410	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	28	1054	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	28	1210	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	28	1410	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	29	1044	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	29	1210	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	29	1410	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	30	1044	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	30	1210	A3E			non	non	non	han-gul talk and music program	PM97	JARL
7200	3	2022	06	30	1410	A3E			non	non	non	han-gul talk and music program	PM97	JARL

ARSI:49 Observations

kHz	BW	YEAR	MONTH	DD	UTC	Emm		Bd	Hdg	ADM	ID	Remarks/Details	Grid	Society
7166	3	2022	6	1	<0130 0145>	J3E/U				UNID	UNID	Language not identified. Male to male talking.	MK71UJ	ARSI-MONI-VU3SIO
7110	3	2022	6	1	<1600 1630>	A3E				UNID	ETHIO	Announcement in african & songs in between. Fair signal noted.	MK71UJ	ARSI-MONI-VU3SIO
7110	3	2022	6	2	<1600 1630>	A3E				UNID	ETHIO	Announcemnet in african language & songs were heard.	MK71UJ	ARSI-MONI-VU3SIO
7182	3	2022	6	3	<0130 0200>	J3E/U				UNID	UNIID	Male talking to male in a language which is not identified. Poor signal.	MK71UJ	ARSI-MONI-VU3SIO
7017	3	2022	6	3	< 0145 0200>	J3E/U				CLN	UNID	Poor signal noted . Male talking to male .	MK71UJ	ARSI-MONI-VU3SIO
7110	3	2022	6	3	<1530 1600>	A3E				UNID	ETHIO	Announcements in african and music in between,	MK71UJ	ARSI-MONI-VU3SIO
7164	3	2022	6	4	<0145 0200>	J3E/U				UNID	UNID	Poor signal and language spoken not identified.	MK71UJ	ARSI-MONI-VU3SIO
7110	3	2022	6	4	<1700 1730>	A3E				UNID	ETHIO	Announcement & songs in african and fair signal was noted.	MK71UJ	ARSI-MONI-VU3SIO
7021	3	2022	6	5	<0115 0130>	J3E/U				CLN	UNID	Male taling to another one and fair signal,noted.	MK71UJ	ARSI-MONI-VU3SIO
7110	3	2022	6	5	<1600 1630>	A3E				UNID	ETHIO	Music & announcemnet heard from time to time.	MK71UJ	ARSI-MONI-VU3SIO
7191	3	2022	6	6	<0130 0200>	J3E/U				UNID	UNID	Poor signal & language not identfrified	MK71UJ	ARSI-MONI-VU3SIO
21202	3	2022	6	6	<1045 1100>	J3E/U				UNID	UNID	Poor signal and language spoken not identified.	MK71UJ	ARSI-MONI-VU3SIO
7110	3	2022	6	6	<1630 1700>	A3E				UNID	ETHIO	Reception was always noisy and announcement in african and songs played.	MK71UJ	ARSI-MONI-VU3SIO
7110	3	2022	6	7	<1600 1630>	A3E				UNID	ETHIO	Language in african and announcement & songs in between.	MK71UJ	ARSI-MONI-VU3SIO
7038	3	2022	6	8	<0145 0200>	J3E/U				UNID	UNID	Station not identified & male to male talking each other.Poor	MK71UJ	ARSI-MONI-VU3SIO
7110	3	2022	6	8	<1630 1700>	A3E				UNID	ETHIO	Fair signal with announcement in african langauge	MK71UJ	ARSI-MONI-VU3SIO
7110	3	2022	6	9	<1630 1700>	A3E				UNID	ETHIO	Music & announcemnet heard from time to time.Pooe signal was observed.	MK71UJ	ARSI-MONI-VU3SIO
7161	3	2022	6	10	<0145 0200>	J3E/U				UNID	UNID	Language not identified. Male to male talking.	MK71UJ	ARSI-MONI-VU3SIO
7144	3	2022	6	10	<0200 0215>	A3E				CLN	UNID	Talking in sinhala male to male and fair signal was noted	MK71UJ	ARSI-MONI-VU3SIO
7110	3	2022	6	10	<1600 1630>	A3E				UNID	ETHIO	Announcements in african and music in between,	MK71UJ	ARSI-MONI-VU3SIO
7171	3	2022	6	15	<0145 0200>	J3E/U				CLN	UNID	Language spoken in sinhala and male talk each	MK71UJ	ARSI-MONI-VU3SIO
7110	3	2022	6	15	<1600 1630>	A3E				UNID	ETHIO	Announcement in african & songs in between	MK71UJ	ARSI-MONI-VU3SIO
7110	3	2022	6	16	<1630 1700>	A3E				UNID	ETHIO	Announcements in african language & music played in between the programs.	MK71UJ	ARSI-MONI-VU3SIO
7110	3	2022	6	17	<1530 1600>	A3E				UNID	ETHIO	. Announcements and songs in between.the program.	MK71UJ	ARSI-MONI-VU3SIO
7155	3	2022	6	18	<0130 0200>	J3E/U				CLN	UNID	Male to male talking in sinhala and poor signal was noted	MK71UJ	ARSI-MONI-VU3SIO
7110	3	2022	6	19	<1630 1700>	A3E				UNID	ETHIO	Announcements in african language and song in between the programs.	MK71UJ	ARSI-MONI-VU3SIO
7182	3	2022	6	20	<0130 0200>	J3E/U				UNID	UNID	Station not identified & male to male talking each other . Good signal noted.	MK71UJ	ARSI-MONI-VU3SIO
14222	3	2022	6	20	<1045 1100 >	J3EU				CLN	UNID	Male talking in sinhala & good signal noted.	MK71UJ	ARSI-MONI-VU3SIO
14182	3	2022	6	20	< 1115 1130>	J3E/U				UNID	UNID	Languagea spoken not identified & poor signal noted.	MK71UJ	ARSI-MONI-VU3SIO
7110	3	2022	6	20	<1600 1630>	A3E				UNID	ETHIO	Announcement in african and songs heard. Fair signal noted.	MK71UJ	ARSI-MONI-VU3SIO
7189	3	2022	6	21	<0130 0145>	J3E/U				UNID	UNID	Station not identified & male to male talking each other	MK71UJ	ARSI-MONI-VU3SIO
7164	3	2022	6	21	<0145 0200>	J3E/U				CLN	UNID	Male to male talking in sinhala and poor signal was noted	MK71UJ	ARSI-MONI-VU3SIO
7155	3	2022	6	21	,<0215 0230>	J3E/U				UNID	UNID	Language spoken similar to thai & male talking to male.. Poor signal was observed	MK71UJ	ARSI-MONI-VU3SIO
7110	3	2022	6	21	< 1700 1730>	A3E				UNID	ETHIO	Announcement in african language and poor signal was noted	MK71UJ	ARSI-MONI-VU3SIO
7091	3	2022	6	22	<0215 0230>	J3E/U				CLN	UNID	Male talking in sinhala & poor signal noted.	MK71UJ	ARSI-MONI-VU3SIO
7110	3	2022	6	22	<1600 1630>	A3E				UNID	ETHIO	Announcement & songs in between from Ethiopia.	MK71UJ	ARSI-MONI-VU3SIO
7110	3	2022	6	23	<1615 1630>	A3E				UNID	ETHIO	Announcements & speech in african ,Fair signal noted.	MK71UJ	ARSI-MONI-VU3SIO
7173	3	2022	6	24	<0130 0145>	J3E/U				UNID	UNID	Language not identified. Male to male talking .Fair signal noted.	MK71UJ	ARSI-MONI-VU3SIO
7110	3	2022	6	24	<1630 1700>	A3E/U				UNID	ETHIO	Announcement in african In african language & poor signal observed.	MK71UJ	ARSI-MONI-VU3SIO
7110	3	2022	6	25	<1600 1630>	A3E				UNID	ETHIO	Signal was poor with annoncement & songs in between the programs.	MK71UJ	ARSI-MONI-VU3SIO
7190	3	2022	6	26	<0200 0215>	J3E/U				UNID	UNID	Poor signal and language not identified.M ale to male talking.	MK71UJ	ARSI-MONI-VU3SIO
7110	3	2022	6	26	<1600 1630>	A3/E				UNID	ETHIO	Announcement & songs with poor signal noted,	MK71UJ	ARSI-MONI-VU3SIO
7110	3	2022	6	27	<1630 1700>	A3/E				UNID	ETHIO	Fair signal with announcement in african langauge	MK71UJ	ARSI-MONI-VU3SIO
7182	3	2022	6	28	<0145 0200>	J3E/L				CLN	UNID	Male to male talking in sinhala with very poor signal.Transmiision in LSB	MK71UJ	ARSI-MONI-VU3SIO
7110	3	2022	6	28	<1600 1630>	A3E				UNID	ETHIO	Announcements in between followed by music & fair signal was observed	MK71UJ	ARSI-MONI-VU3SIO
7025	3	2022	6	29	<0130 0200>	J3E/U				UNID	UNID	Language spoken not identified, Male to male talking	MK71UJ	ARSI-MONI-VU3SIO
7110	3	2022	6	29	<1630 1700>	A3E				UNID	ETHIO	Songs and announcement throught the transmission.	MK71UJ	ARSI-MONI-VU3SIO
7006	3	2022	6	30	,<0130 0145>	J3E/U				UNID	UNID	Poor signal and male to male talking . Language not identified	MK71UJ	ARSI-MONI-VU3SIO
7110	3	2022	6	30	<1630 1700>	A3E				UNID	ETHIO	Announcement in african and songs heard. Fair signal noted.	MK71UJ	ARSI-MONI-VU3SIO

NZART: 20 Observations

kHz	BW	YYYY	Mon	DD	GMT	UTC	Emm	Bd	Sft	Hdg	ADM	ID	Description	Grid	Society
14033	25	2022	06	28	<2153>	2153	PXX				RUS	Unid	OTHR Russian 50 pps 10.5 second bursts S9	RF73MF	ZL1GWE
14300	28	2022	06	28	<2159>	2159	PXX				RUS	Unid	OTHR Russian 50 pps 7.8 second bursts S9	RF73MF	ZL1GWE
14177	9.7	2022	06	19	<0628>	0628	PXX				CHN	Unid	OTHR Chinese 81 pps 3.3 second bursts S5	RF73MF	ZL1GWE
18118.6	25.6	2022	06	25	<0558>	0558	PXX				RUS	Unid	OTHR Russian 50 pps 10.4 second bursts furry wideband edges	RF73MF	ZL1GWE
18122	10	2022	06	19	<2247>	2247	PXX				CHN	Unid	OTHR Chinese 49 pps 6.2 second bursts S8	RF73MF	ZL1GWE
21056*	22	2022	06	26	<0502>	0502	PXX				CHN	Unid	OTHR Chinese 50 pps 6.4 second bursts S8	RF73MF	ZL1GWE
21056*	22	2022	06	26	<0508>	0508	PXX				CHN	Unid	OTHR Chinese 50 pps 10.4 second bursts S8	RF73MF	ZL1GWE
21064	11.4	2022	06	18	<0329>	0329	PXX				CHN	Unid	OTHR Chinese 5.2 second bursts S5	RF73MF	ZL1GWE
21097	10.6	2022	06	25	<0608>	0608	PXX				CHN	Unid	OTHR Chinese 50 pps 10.4 second bursts S5	RF73MF	ZL1GWE
21113	11.5	2022	06	24	<0426>	0426	PXX				CHN	Unid	OTHR Chinese 49 pps 6.2 second S6	RF73MF	ZL1GWE
21160	10.4	2022	06	18	<0329>	0329	PXX				CHN	Unid	OTHR Chinese 51 pps 5.2 second bursts S5	RF73MF	ZL1GWE
21179	10.4	2022	06	18	<0329>	0329	PXX				CHN	Unid	OTHR Chinese 51 pps 5.2 second bursts S5	RF73MF	ZL1GWE
21198.5	26	2022	06	26	<0456>	0456	PXX				CHN	Unid	OTHR Chinese 66.6 pps 2.9 second bursts S8	RF73MF	ZL1GWE
21202	15.9	2022	06	26	<0544>	0544	PXX				CHN	Unid	OTHR Chinese 50 pps 10.1 second bursts S8	RF73MF	ZL1GWE
21304	11.4	2022	06	18	<0443>	0434	PXX				CHN	Unid	OTHR Chinese 51 pps 10.1 second bursts S7	RF73MF	ZL1GWE
21309	13	2022	06	24	<0353>	0353	PXX				CHN	Unid	OTHR Chinese 66 pps 4.1 second bursts S7	RF73MF	ZL1GWE
21369	10	2022	05	24	<0426>	0426	PXX				RUS	Unid	OTHR Russian 41 pps 6 second bursts S6	RF73MF	ZL1GWE
21374	13.6	2022	06	24	<0426>	0426	PXX				CHN	Unid	OTHR Chinese 49 pps 6.2 second bursts S6	RF73MF	ZL1GWE
21386	9.4	2022	06	18	<0340>	0340	PXX				CHN	Unid	OTHR Chinese 51 pps 5.3 second bursts S7	RF73MF	ZL1GWE
21404	11.5	2022	06	19	<0400>	0400	PXX				CHN	Unid	OTHR Chinese 66 pps 4 second bursts S6	RF73MF	ZL1GWE