



Monthly Newsletter - July 2026

- **Video feature:** click on the “play” red icons in the text or in the images of the Newsletter to watch the videos
- **IARU IWS Wiki:** find more information, screenshots, videos and recordings of the transmission modes most used by non-amateur stations on the amateur radio bands: <https://www.iaru-r1.org/spectrum/monitoring-system/iarums-wiki/>

News and Info

The IARU Intruder Watch Service (formerly, IARU Monitoring System; IARUMS) is a worldwide service authorized by the IARU Administrative Council. It is served by dedicated volunteers As per the IARU Intruder Watch Service Terms of Reference, the primary objective of the IARU IWS is the search classification, identification and initiation of steps leading to the removal from amateur bands of radio signals of non-amateur stations causing harmful interference to the amateur services, contrary to ITU International Telecommunications Union and national radio regulations. Typical intruders include Broadcasters, Over the Horizon Radars, illegal operators on the band s including taxicabs and fishermen on various bands, various military modes and many more types of unwanted signals.

Detailed reports of national coordinators

Abbreviations used (as per IARU IWS definitions)

aka = also known as | **BC** = Broadcast | **Bd** = Baud | **BD** = Burst duration) | **BRI** = Burst repetition interval. **BW** = Bandwidth | **ca** = approximate | **CHN** = **PRC** = People’s Republic of China | **CF** = Center frequency **DF** = Direction finding (radio location; see also TDoA) | **FMCW** = frequency modulated continuous wave **FMOP** = frequency modulated on pulse | **OTHR** = over the horizon radar | **PRF** = Pulse Repetition Frequency | **pps** = pulses per second (same as “sps”) | **SH** = Shift (Hz) | **sps** = sweeps per second | **TDoA** = Time difference of arrival | **ui** = **unid** = unidentified.

DARC. Harald, DL9NDW and team: DF5JL, DE2TRF									
kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
7008.5	18:25	20	07			XXX		2K0E	
7017.0	19:13	30	07	RUS		J7D	120	2K60E	CIS-12
7055.0	19:57	25	07	UKR		J3E-L		2K70E	Radiowar, Music, NON Ham Voice : UKR vs RUS, very often
7060.0	20:42	08	07	RUS		RADAR	40	12K0E	OTHR Contayner
7110.0	22:47	03	07	RUS		RADAR	40	20K0E	OTHR Contayner
7175.0	17:56	01	07	RUS		RADAR	40	12K0E	OTHR Contayner
14122.0	15:33	05	07	UKR		J3E-U		2K70E	Propaganda Music

DARC. Harald, DL9NDW and team: DF5JL, DE2TRF

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
14170.0	12:44	23	07	RUS		J7D	120	2K60E	CIS-12
14172.0	18:30	19	07	CHN		RADAR	66.7	10K0E	OTHR Bursts
14192.0	09:06	10	07	RUS		F1B	50	200H	strong today
14192.0	06:00	19	07	RUS		F1B	50	200H	Behind Contayner
14192.0	06:33	21	07	RUS		F1B	50	200H	
14200.0	15:06	01	07	RUS		RADAR	40	12K0E	OTHR Contayner
14235.0	07:59	23	07	CHN		RADAR	83	10K0E	OTHR Bursts
14298.5	13:42	10	07			F1D	600	600H	DPRK 600 ARQ
14320.0	17:30	07	07	CHN		RADAR	83.3	10K0E	OTHR Bursts
14324.0	18:30	19	07	CHN		RADAR	50	10K0E	OTHR Bursts
14331.0	13:55	29	07	RUS		RADAR	40	12K0E	OTHR Contayner 2x in band simultaneous
14343.0	18:30	23	07	CHN	OTHR Bursts	RADAR	42	10K0E	OTHR Bursts
14344.0	17:01	05	07	CHN		RADAR	42	10K0E	OTHR Bursts

IRTS. Michael, EI3GYB

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
5360	2005	01	07	RUS/ UKR		USB			Military music and propaganda songs. Medium but persistent signal.
7000	2215	26	07	INS		LSB			Village radio. Male voices. Medium signals.Ends 2300z.
7005	2320	28	07			RADAR			Radar from 7005 to 7020 kHz. Strong and persistent.
7035	2215	22	07			RADAR			Radar from 7035 to 7065 kHz. Strong and persistent.
7055	0510	29	07	RUS/ UKR		LSB			Russian-Ukrainian radio war. Weak signals.
7085	0320	22	07			RADAR			Radar from 7085 to 7100 kHz. Strong and persistent.
7165	1920	1	07			RADAR			Radar from 7165 to 7185 kHz.Strong and persistent.
7177	0615	19	07			PSK			Strong and persistent signal.
10105	0840	28	07	MRC or MM		USB			North African fishermen. Medium signals.
10110	1545	07	07			RADAR			Radar from 10110 to 10130 kHz. Medium but persistent signal.
10121.5	0435	30	07	MRC or MM		USB			North African fishermen. Huge signals.At least three different male voices. Also heard on the 31 st at 0710z.

IRTS. Michael, EI3GYB

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
14000	0930	27	07			Jammer			Weak and persistent signal.
14120	0615	30	07			F1B			Medium signal.
14130	1145	28	07			RADAR			Radar frpm 14130 to 14150 kHz. Strong and persistent signal.
14130	1510	28	07	CHN		RADAR			Radar from 14130 to 14140 kHz. Medium signal. Chinese Foghorn.
14140	1510	28	07	RUS/ UKR		USB			Rebroadcasting of a Russian language propaganda transmission. Medium signal.
14141	0620	30	07			F1B			Strong signal.
14160	0615	28	07			RADAR			Radar from 14160 to 14175 kHz. Strong and persistent signal.
14170	1145	28	07			RADAR			Radar from 14170 to 14190 kHz. Strong and persistent signal.
14175	1705	01	07			RADAR			Radar from 14175 to 14195 kHz. Medium but persistent signal.
14191	1430	07	07	RUS		F1B			Russian navy Kaliningrad. Medium persistent signal.
14247	1255	15	07			FSK			North Korean embassy traffic. Strong and persistent
14330	1230	03	07			RADAR			Radar from 14330 to 14330 kHz. Medium but persistent signal.
14348	0710	31	07			FSK			North Korean embassy traffic. Strong and persistent signal.
18120	1400	30	07			RADAR			Radar from 18120 to 18135 kHz. Medium signal.
18145	1040	28	07			RADAR			Radar from 18145 to 18165 kHz. Medium but persistent signal.
18155	0510	26	07			RADAR			Radar from 18155 to 18170 kHz. Strong and persistent signal. Still on at 0710 and 0950z.
21000	0915	27	07	E or MM		USB			Spanish fishermen. Strong signals.
21160	1210	02	07			RADAR			Radar from 21160 to 21180 kHz. Strong and persistent signal.
21190	1410	29	07			RADAR			Radar from 21190 to 21210 kHz. Strong and persistent signal.
21310	0950	03	07			RADAR			Radar from 21310 to 21330 kHz. Huge and persistent signal.
21370	0705	31	07			RADAR			Radar from 21370 to 21395 kHz. Huge and persistent signal.
21400	0920	27	07			RADAR			Radar from 21400 to 21415 kHz. Medium but persistent signal.
21400	1425	29	07			RADAR			Radar from 21400 to 21415 kHz. Strong and persistent signal.
21438	1000	27	07	UKR		CW			Russian navy Sevastopol. Weak signal.
24935	1305	27	07			RADAR			Radar from 24935 to 24955 kHz. Huge and persistent signal.
29640	0645	21	07			RADAR			Radar from 29640 to 29650 kHz. Medium but persistent signal.

PZK. Mirek, SP5GNI

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
7057.0	2015	11	07			RADAR		16K0E	S9+
14008.0	1000	21	07			F1B		250	S9
14028.0	1045	21	07			F1B		250	
14090.0	0830	07	07			RADAR		14K0E	S9
14126.0	1830	11	07			USB		3K0	Songs in Russian
14126.5	1300	20	07			CIS		3K0	S7
14150.0	1025	02	07			RADAR		14K0E	
14185.0	1200	21	07			RADAR		12K0E	S9
14235.0	0835	23	07			RADAR		10K0E	10 sec. Burst
14248.0	0810	31	07			F1B		200	S9 similar to rtty, sending 1 sec. packets
18114.0	1330	29	07			RADAR		12K0E	
18129.0	1100	28	07			RADAR		16K0E	S9
18157.0	1100	28	07			RADAR		20K0E	S9
21126.0	1035	22	07			RADAR		10K0E	S7
21158.0	1105	28	07			RADAR		16K0E	S7
21172.0	1125	02	07			RADAR		20K0E	S7
21264.0	1020	16	07			RADAR		20K0E	S6
24953.0	1035	13	07			RADAR		20K0E	S9

REP. Paulo, CT2IWW

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
7000.0	07:08	29	07			NON			long lasting carrier
7007.7	19:08	30	07			J3E-U			unid Arabic comms
7017.0	19:10	30	07	RUS		J7D	120	2K60E	CIS-12
7066.0	17:46	11	07	RUS		RADAR	40	12K0E	OTHR Contayner
7070.0	20:25	22	07			J3E-U			unid language fishery ops
7070.0	01:24	24	07		608	J7D	125	1K80E	Unid station 608. Also 288 clg 204
7123.0	00:01	24	07			F1B	50	200H	FSK idling
7200.0	23:58	23	07	USA		J3E-L			Music broadcast, jamming ham qso
14024.0	08:06	22	07			J3E-U		2K4E	Arabic language fishery

REP. Paulo, CT2IWW

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
14025.0	07:07	08	07			J3E-U			unid Arabic chat
14025.0	09:40	23	07	RUS		J7D	120	24K0	
14032.0	10:00	20	07	CHN		RADAR	66.7	10K0E	OTHR bursts
14089.0	08:19	07	07	RUS		RADAR	40	12K0E	OTHR Contayner
14118.5	08:28	30	07			F1D	600	600H	
14142.0	08:24	30	07	RUS		F1B	50	250H	T-600 RUS Navy
14145.0	08:12	07	07	RUS		RADAR	40	12K0E	OTHR Contayner
14148.5	08:32	07	07			F1D	600	600H	
14160.0	10:06	16	07			F1B	75	250H	
14166.0	08:59	07	07	CHN		RADAR	66.7	10K0E	OTHR bursts
14169.0	08:30	21	07	CHN		RADAR	66.7	10K0E	OTHR bursts
14184.0	09:57	07	07	RUS		RADAR	40	12K0E	OTHR Contayner burst
14191.0	10:59	29	07	CHN		RADAR	83	10K0E	OTHR bursts
14200.0	09:04	23	07			RADAR	66.7	20K0E	OTHR bursts, unusual BW
14248.5	08:09	07	07			F1D	600	600H	
14248.5	08:08	16	07			F1D	600	600H	
14288.0	09:08	07	07	CHN		RADAR	50	10K0E	OTHR bursts
14327.0	08:53	23	07	CHN		RADAR	66.7	10K0E	OTHR busrts
18151.0	07:46	28	07	CHN		RADAR	50	10K0E	OTHR bursts
18169.0	06:06	22	07	RUS		RADAR	40	12K0E	OTHR Contayner, partially in 17m amateur band
21145.0	12:30	23	07	MRC	E74	J7D	2400	1K80E	[TWS][E74][EOM]
21351.0	08:30	02	07	G		RADAR	25	20K0E	UK SBA OTHR Cyprus
28035.0	06:38	06	07			A3E			Spanish language outbanders AM
28100.0	20:30	13	07			J3E-U			English speakers complaining about wx, no callsigns
28100.0	19:26	25	07			F1B	51	300H	Enagal GPS buoy
28165.0	15:37	14	07	F		A3E			French CB ops, mentioned Paris
28275.0	09:24	15	07			F1B	51	300H	Enagal GPS buoy

REP. Paulo, CT2IWW

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
28400.0	19:22	10	07			J3E-U		3K0E	Canarias Radio MWARA rebroadcast
29676.0	06:41	01	07	G		RADAR	25	20K0E	OTHR SBA UK Cyprus

SRAL. Pekka, OH2BLU

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
7 MHz	1730-0530	*	7	RUS		RADAR	40 sps	13k0E	*) Days: 1. 5. 11. 13. (WebSDR 24d)
7006.5	0630-0900	*	7	RUS		N0N/F1B		250/500	*) Days: 13. 16. 21. - 24. 30.
7008.0	1600	16	7	RUS		F1B		250	
7008.5	0610-1300	*	7	RUS		J7D	120	2k60E	*)Days: 7. 14. 16. 21. - 24. 30.
7010.0	0500-1010	*	7	RUS		J7D	120	2k60E	*) Days: 1. 3. 5. 17.
7018.0	1325-1800	*	7	RUS		J7D	120	2k60E	*)Days: 2. 27. 30.
7019.0	0500-1800	*	7	RUS	AT9J etc	N0N/F1B/A		200	*) Days: 6. 15. - 20.
7022.0	0500-1815	*	7	RUS		J7D	120	2k60E	*) Days: 2. 12. 13. 22.
7025.0	0500-1500	*	7	RUS	XHOP etc	F1B/A		200H	*) Days: 1. - 8. 21. - 30. 5F
7032.0	0500-1830	*	7	RUS		usb		3k50E	*) Days: 1. - 6. 16. 17. 18. brum 62.5 Hz
7034.0	1410-1800	*	7	RUS		F1B		250H	*) Days: 7. 9. 10. 15. 25.
7035.1	0000-2400	07-31	7	RUS		R3E-I		3k60E	1 sec. tick, 240 Hz tone and hum
7036.0	1715-1830	07 10	7	RUS		J7D	120	2k60E	
7062.0	0815-1400	*	7	RUS		J7D	120	2k60E	*) Days: 12. 16. 24. 30.
7066.0	0845-1830	*	7	RUS		N0N/F1B		200H	*) Days: 5. 6. 17. 21. - 31.
7072.0	1330-1730	16	7	RUS		J7D	120	2k60E	
7088.0	0510-1800	*	7	RUS		J7D	120	2k60E	*) Days: 7. 13. 23.
7090.5	1000-1645	11	7	RUS		J7D	120	2k60E	
7100.0A	1030-1045/	19	7	RUS		xxx	23wpm	300k0E	MR with 1 kHz raster
7111.0	1245-1400	11	7	RUS		F1B		250H	
7118.0	0730-1000	16 23	7	RUS		J7D	120	2k60E	
7186.0	0445-	*	7	RUS		J7D	120	2k60E	*) Days: 18. 19. 21.

SRAL. Pekka, OH2BLU

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
	1830								
10 MHz			7	G		RADAR	50 sps	20k0	(WebSDR 5d)
10 MHz	1515-0400	*	7	RUS		RADAR	40sps	13k0E	*) Days: 1. 5. 7. 12. 24. (WebSDR 10d)
14 MHz	0000-2400	*	7	RUS		RADAR	40sps	13k0E	*) Days: 1. - 5. 7. - 11. 13. - 16. 18. - 22. 24. 27. - 31. (WebSDR 29d)
14 MHz	0800-1815	*	7	CHN		RADAR	50/67/8 3.3 sps	10k0E	*) Days: 6. 7. 8. 16. 18. - 21. 23. 24. 28. 30. 31. 'foghorn'
14001.0	0825-1100	*	7	RUS		J7D	120	2k60E	*) Days: 1. 6. 17. 27. 29.
14001.1	1345-1351	27	7	RUS		A1A		80H	5BL, 5F, chirpy
14008.0	0445-1600	*	7	RUS		F1B		250H	*) Days: 1. 7. 9. 10. 13. 14. 16. 19. - 24. 26. - 31.
14108.0	0610-1010	*	7	RUS		A1A	16wpm	40H	*) Days: 19. 27. 30. 5BL
14142.0	0610-1530	30 31	7	RUS		F1B		250H	
14160.0	1010-1330	*	7	RUS		F1B		200H	*) Days: 16. 22. 25.
14192.0	0445-1830	01 - 27	7	RUS		F1B		250H	
14221.0	0445-0600/	01 - 31	7	KAZ		F1B		250H	
18 MHz	0450-1430	*	7	G		RADAR	25/50 sps	20k0	*) Days: 9. 12. 17. 19. 24. 28. (WebSDR 5d)
18 MHz	0515-1800	*	7	RUS		RADAR	40 sps	13k0E	*) Days: 1. 3. 8. 20. - 24. 26. 28. 29. 30. (WebSDR 12d)
21 MHz	0630-1800	*	7	G		RADAR	25/50 sps	20k0	*) Days: 2. 5. 13. 16. 22. 24. 25. 29. - 31. (WebSDR 13d)
21 MHz	0445-1800	*	7	RUS		RADAR	40 sps	13k0E	*) Days: 1. 5. 6. 8. 14. 15. 19. 20. 22. 23. 27. 30. 31. (WebSDR 10d)
21 MHz			7	CHN		RADAR	50sps	10k0E	(WebSDR 0d)
21 MHz	0820-0920	*	7	CHN		RADAR	50/67/8 3.3 sps	10k0E	*) Days: 27. 29. 'foghorn'
21113.0	0615-0920	02 27	7	RUS		F1B		200H	
21438.0	/0830-0900	*	7	RUS	RCV	A1A	18 - 24 wpm	40H	*) Days: 1. - 25. 30. 31.
24 MHz	0745-1030	13	7	G		RADAR	25/50sp s	20k0	(WebSDR 1d)
24 MHz			7	RUS		RADAR	40sps	13k0E	(WebSDR 3d)
28 MHz			7	G		RADAR	25/50sp s	20k0	(WebSDR 1d)
28 MHz	0815-1015	18	7	RUS		F3E		5k0E	Taxi, 4 reports

VERON. Ruud, PG1R. Credits to observers Dick PA0GRU, Rene PA3EQO

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
6998.0	1943	06	07	RUS		RADAR	40	12K0E	CF; OTHR Kontayner; disrupting lower part of 40m band
7000.0	1845	04	07	RUS		RADAR	40	12K0E	CF; OTHR Kontayner
7050.0	vt	vd	07	UKR/ RUS		J3E-L		2K70E	UKR-RUS radiowar rethoric; almost daily
7055.0	vt	vd	07	UKR/ RUS		J3E-L		2K70E	UKR-RUS radiowar rethoric; almost daily
7060.0	1844	04	07	RUS		RADAR	40	12K0E	CF; OTHR Kontayner
14000. 0	0820	28	07			NON			UiCar; S9
14008. 0	1556	16	07	RUS		F1B			UiPtr; idle
14008. 0	1600	22	07	RUS		F1B			UiPtr; idle
14116. 0	1927	05	07			XXX		3K0E	LSB freq; strange digital signal; long lasting; maybe jammer?
14192. 0	1345	vd	vt	RUS		F1B		250H	Russian navy Kaliningrad; daily
14192. 0	1019	09	07	RUS		F1B		200H	UiPtr
14298. 5	1342	02	07	KRE		F1D	600	600H	DPRK-FSK 600 ARQ
14347. 0	1209	02	07			A2?			Pips; 1 per second
21190. 0	1229	05	07	CHN		RADAR	50	10K0E	CF; OTHR

Contact: Gaspar, EA6AMM. IARU IWS coordinator: iarums@iaru-r1.org

IARU IWS R1 coordinators: <https://www.iaru-r1.org/spectrum/monitoring-system/iarums-region-1-coordinators/>

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