Monthly Newsletter - May 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
7002.0	19:44	06	05	RUS		J7D	120	2K60E	CIS-12, idle
7004.0	17:51	25	05			XXX			Different bursts with different bandwidth´s and length
7036.0	17:15 vt*	16 vd*	05	RUS		J7D	120	2K60E	CIS-12, * also 7037 at 26.5 19:06
7043.0	20:36 vt*	12 vd*	05			F1B	20	7K0E	RUS NAVY FSK Signal, 2 times on Air, long lasting, West Russia nr Sewastopol, very strong. Daily until QSY mid May.
7055.0	06:34 vt*	12 vd*	05	UKR		J3E-L		2K70E	Radiowar, Music, NON Ham Voice : UKR vs RUS. Daily transmissions vat varying times.
7083.0	19:13	06	05			XXX			Unknown CW like transmission
7092.0	19:26	29	05			RADAR			
7150.0	19:57 vt*	02 vd*	05	RUS		RADAR	40	12K0E	OTHR Contayner, reports
7175.0	20:37	06	05	RUS		RADAR	12K0E	40	OTHR Contayner

DARC. Harald, DL9NDW and team: DF5JL, DE2TRF

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
14008.0	09:12	19	05	RUS		F1B	50	250H	RIW, FSK
14091.0	08:29	16	05	RUS		RADAR	40	12K0E	OTHR Contayner, faint and sounding strange
14108.0	09:15	12	05	G		RADAR	50	20K0E	OTHR Cyprus UK SBA , 3 sek bursts, 4 sek pauses
14150.0	11:13 vt*	10 vd*	05			RADAR			OTHR Contayner *, also 14255,126.5. 13:31, 14302, 19.5 , 17:52
14171.0	07:48 vt*	12 vd*	05	RUS		RADAR	40	12K0E	OTHR Contayner, * 5 reports
14218.0	13:04 vt*	16 vd*	05	CHN		RADAR	64	10K0E	OTHR Bursts, 64 sps ,measured, also 14234, 16.5 , 13:06
14250.0	06:57	12	05			N0N			constant , some fading , not local (verified)
14266.0	14:41	12	05	CHN		RADAR	50	10K0E	OTHR Bursts, 6 reports
14320.0	13:29	16	05	CHN		RADAR	50	10K0E	OTHR Bursts, interleved with 66.7 sps on 14324
14320.0	14:43	12	05	CHN		RADAR	66.7	10K0E	OTHR Bursts, 3 reports
14350.0	17:25	28	05			XXX		1K8	Unknown, PSK signal not known
21113.0	08:17	12	05	G		RADAR	25	20K0E	OTHR Cyprus UK SBA (25hz mode)
21380.0	08:36	12	05	G		RADAR	25	20K0E	OTHR Cyprus UK SBA (25hz mode) qsyed here, laster at 21108

IRTS. Michael, EI3GYB

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
7055	1645	31	05	RUS/ UKR		LSB			Russian-Ukrainian radio war.Medium signal. Quite rare now on 40 metres, considering what was going on there for the last few years.
7137	1700	17	05			F1B			Medium but persistent signal. Still on at 2200z.
14115	1805	26	05			RADAR			Radar from 14115 to 14130 kHz. Strong. On and off.
14125	1125	03	05	RUS/ UKR		USB			Russian-Ukrainian radio war. Medium but persistent signal.
14130	0530	15	05			RADAR			Radar from 14130 to 14150 kHz. Strong and persistent.
14136	1655	31	05	RUS/ UKR		USB			Russian-Ukrainian radio war. Very strong and persistent.
14165	1415	12	05			RADAR			Radar from 14165 to 14190 kHz. Strong and persistent.
14170	0840	15	05	CHN		RADAR			Radar from 14170 to 14180 kHz. Chinese foghorn. Medium signal. Persistent.
14190	0755	31	05			RADAR			Radar from 14190 to 14215 kHz. Medium but persistent signal.
14191	1000	03	05	RUS		F1B			Russian navy in Kaliningrad. Heard daily all day long with a medium to strong signal.
14235	1135	25	05			RADAR			Radar from 14235 to 14250 kHz. On and off. Strong.
14275	0535	15	05			RADAR			Radar from 14275 to 14300 kHz. Strong and persistent.
18105	1015	03	05	G		RADAR			Radar from 18105 to 18125 kHz. Medium signal, on and off.UK base in Cyprus.
18115	1630	31	05			RADAR			Radar from 18115 to 18130 kHz. Medium

IRTS. Michael, EI3GYB

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
									but persistent signal.
18150	0750	03	05			RADAR			Radar from 18150 to 18170 kHz. Huge and persistent signal.
18165	1015	03	05	G		RADAR			Radar from 18165 to 18185 kHz. Huge and persistent signal. UK base in Cyprus.Still on at 1130z.
18166	1135	22	05			RADAR			Radar from 18166 to 18176 kHz. Strong and persistent.
21155	0825	10	05			RADAR			Radar from 21155 to 21170 kHz. Medium but persistent signal.
21405	1330	27	05			RADAR			Radar from 21405 to 21425 kHz. Strong and persistent.
21438	1400	12	05	UKR		CW			Russian navy in Sevastopol. Medium but persistent signal. Heard a few times.

PZK. Mirek, SP5GNI

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
7067.0	0900	11	05	RUS		CIS12		3K0E	S8
14097.0	1055	12	05			UI		300	S9 similar to rtty, 1 sec. packets
14109.0	1055	12	05			UI		300	S9 similar to rtty, 1 sec. packets
14178.0	0648	30	05			RADAR		10K0E	S9
14180.0	1310	08	05			RADAR		20K0E	S9+
14228.0	1155	05	05			RADAR		12K0E	S9+
14310.0	1420	19	05	RUS		J7D		3K0E	CIS-12. S8
14323.0	0650	30	05			RADAR		12K0E	S7
14340.0	1410	14	05			RADAR		20K0E	S9+
18110.0	1250	07	05			RADAR		20K0E	S6 4 sec. bursts
21050.0	1150	07	05			RADAR		20K0E	
21167.0	1040	04	05			RADAR		12K0E	S6
21372.0	1435	04	05			RADAR		20K0E	S9+
21439.0	1450	19	05			RADAR		20K0E	S6
28216.0	1305	04	05			RADAR		20K0E	S6
28715.0	1420	04	05			RADAR		20K0E	S6

REP. Paulo, CT2IWW

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
7000.0	20:49	10	05	B		J3E-U		2K70E	Brazilian fishery
7002.2	20:56	10	05			XXX			unknown beeping
7043.0	20:23	10	05	RUS		F1B	20	7K0E	FSK paired with 7050
7060.0	20:26	10	05	RUS		F1B	20	7K0E	FSK paired with 7067
7088.0	20:31	10	05			G7D	2400	2K40E	LINK-11 SLEW
7135.0	20:41	10	05	RUS		A1A	21		CW 5L groups
7135.0	20:09	14	05	RUS	RDl	F1B	50	200H	FSK and F1B
14004.0	07:51	22	05			F1B	75	500H	
14008.0	08:09	25	05	RUS		F1B	50	250H	
14028.0	07:40	13	05	CHN		RADAR	50	10K0E	continuous

REP. Paulo, CT2IWW

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
14118.5	08:04	22	05			F1D	600	600H	DPRK-FSK 600 ARQ
14140.0	14:58	10	05			J3E-U		3K0E	UKR/RUS
14158.0	15:02	06	05	RUS		RADAR	40	12K0	Contayner long bursts
14176.0	06:26	15	05	CHN		RADAR	66.7	10K0E	OTHR bursts
14192.0	09:28	20	05	RUS		F1B	50	200H	
14237.0	08:29	13	05	CHN		RADAR	42	10K0E	Bursts 42pps
14240.0	11:06	24	05			F1B	75	250H	
14248.5	08:11	25	05			F1D	600	600H	
14305.0	07:03	13	05	CHN		RADAR	50	10K0E	OTHR bursts
14341.0	14:35	10	05	RUS		RADAR	40	12K0E	OTHR Contayner
21110.0	13:22	22	05			J3E-U			Cargo talk in Spanish
21145.0	09:34	11	05	MRC	E74	J7D	125	1K8OE	
21264.0	08:17	11	05	CHN		RADAR	66.6	20K0E	OTHR bursts
21289.0	08:17	11	05	CHN		RADAR	66.6	20K0E	OTHR bursts
21321.0	12:16	22	05	CHN		RADAR	42	10K0E	OTHR Bursts
21330.0	08:17	11	05	CHN		RADAR	50	10K0E	OTHR bursts
28025.0	19:25	25	05	B		A3E			Brazilian outbanders AM
28035.0	19:26	25	05	B		A3E			Brazilian outbanders AM, roger beeps
28050.0	20:38	25	05			F1B	51	300H	Enagal GPS buoy
28055.0	19:26	25	05	B		A3E			Brazilian outbanders AM
28305.0	19:32	25	05	B		A3E			Brazilian outbanders AM

SRAL. Pekka, OH2BLU

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
7 MHz	1500-0600	*	5	RUS		RADAR	40 sps	13k0E	*) Days: 2. 16. 18. 19. 20. 22. 25. 27. 30. 31. (WebSDR 24d)
7006.5	0615-0800	24 27	5	RUS		F1B		250/500	
7008.5	0630-0930	13 20	5	RUS		J7D	120	2k60E	
7025.0	0515-1430	*	5	RUS	RDL	F1B		200H	*) Days: 7. 15. - 18.
7027.0	0500-1000	02 04	5	RUS		F1B		200H	
7035.1	0000-2400	01-31	5	RUS		R3E-l		3k60E	1 sec. tick, 240 Hz tone and hum
7045.0	1000-0800/	01 - 13	5	RUS		F1B	20	7k0	Alternate fq 7046.5 kHz, QSY -100 kHz on day 14.
7057.5	0730-1445	03 04	5	RUS	X0HD etc	A1A	20wpm	40H	5F
7065.0	1000-0800/	01 - 13	5	RUS		F1B	20	7k0	Alternate fq 7066.5 kHz, QST -100 kHz on day 14.
7080.0	1700-1830	01 - 05	5	RUS		F1B		250H	
7094.0	0825-1410	13	5	RUS		F1B		200H	
7100.0	0715-0930/	18	5	RUS		unknown	22wpm	600kE	A1A every 1 kHz (waterfall & recording available)
7114.0	0430-0600	02 - 05	5	RUS	RDL	F1B/ N0N		200H	

SRAL. Pekka, OH2BLU

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
7121.0	0715-1715	06 07	5	RUS	RAL2 etc	A1A	10wpm	40H	5BL
7135.0	0445-1800	01 - 31	5	RUS		F1B/A		250H	5F, shift failures
7159.0	0800-1650/	04 06	5	IW		G7D		2k60E	LINK-11 usb, nr Lofoten
10 MHz			5	G		RADAR	50 sps	20k0	(WebSDR 1d)
10 MHz	1345-1800	10 13	5	RUS		RADAR	40sps	13k0E	(WebSDR 12d)
14 MHz	0400-1800	*	5	RUS		RADAR	40sps	13k0E	*) Days: 1. 2. 6. 7. 8. 10. 12. 14. - 19. 21. 28. 29. 31. (WebSDR 27d)
14 MHz	0715-1800	*	5	CHN		RADAR	50/67/83.3 sps	10k0E	*) Days: 1. - 5. 9. 11. - 16. 18. 20. - 22. 24. - 29. 'foghorn'
14001.0	0600-0700	*	5	RUS		J7D	120	2k60E	*) Days: 4. 6. 7. 8. 12. 13. 15.
14004.0	0830	28	5	RUS		F1B		500H	
14008.0	0615-	*	5	RUS		F1B		250H	*) Days: 3. 4. 8. 11. 12. 15. 18. 19. 25.
14028.0	0700-1000	13	5	CHN		RADAR	50 sps	10k	
14046.0	0805-0855	02 13	5	RUS		J7D	120	2k60E	
14108.0	1000-1200	12	5	RUS	OMPM etc	A1A	18wpm	40H	5BL
14116.0	0510-1135	*	5	RUS		F1B		200/250H	*) Days: 12. 24. 25.
14192.0	0430-1800	01 - 31	5	RUS		F1B		250H	
14221.0	0400-0600/	01 - 31	5	KAZ		F1B		250H	
14253.0	0530-1600	01 04	5	RUS		F1B		250H	
18 MHz	0500-1930	*	5	G		RADAR	50 sps	20k0	*) Days: 3. 9. 13. 26. 29. (WebSDR 5d)
18 MHz	0445-1815	*	5	RUS		RADAR	40 sps	13k0E	*) Days: 2. 15. 18. 19. 20. 22. 25. 27. 30. 31. (WebSDR 3d)
17087.0	0455-1200	13	5			F1B		600H	
21 MHz	0600-1800	*	5	G		RADAR	50/25 sps	20k0	*) Days: 4. 6. 9. 10. 12. 13. 18. 19. 21. 22. 31. (WebSDR 18d)
21 MHz	0445-1730	*	5	RUS		RADAR	40 sps	13k0E	*) Days: 4. 11. 14. 15. 18. 23. 24. 26. 27. 28. 31. (WebSDR 12d)
21 MHz			5	CHN		RADAR	50sps	10k0E	(WebSDR 0d)
21 MHz	0445-1800	*	5	CHN		RADAR	50/67/83.3 sps	10k0E	*) Days: 2. - 12. 15. 18. 19. 21. 22. 24. - 30. 'foghorn'
21438.0	/0830-1430	*	5	RUS	RCV	A1A	18 - 24 wpm	40H	*) Days: 1. 6. 7. 9. 11- 14. 18. 19. 21. - 24. 29. 30. (QRP?)
24 MHz	0645-1545	*	5	G		RADAR	50/25sps	20k0	*) Days: 10. 11. 12. 15. 26. (WebSDR 3d)
24 MHz	1115-1630	*	5	RUS		RADAR	40sps	13k0E	*) Days: 11. 16. 26. 31. (WebSDR 1d)
28 MHz	1400-1830	12 23	5	G		RADAR	50sps	20k0	(WebSDR 6d)
28 MHz			5	IRN		RADAR	150/313	60k0E	(WebSDR 0d)

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

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD /sps	SH / BW	DETAILS
7004.0	1945	23	05	RUS	5F	A1A			5F groups
7046.5	1728	07	05	RUS		F1B		7K0E	CF; s9+
7050.0	1729	17	05	UKR		J3E-L		2K70E	Slavic songs & slogans against Putin
7055.0	1722	17	05	UKR		J3E-L		3K0E	Slavic songs & political comments; many days in the afternoon
7055.0	1736	22	05	UKR/ RUS		J3E-L		3K0E	UKR-RUS Radiowar; 2 TX same freq.; one with music, the other slogans.
7060.0	1723	17	05			J3E-L		3K0E	Slavic songs
7065.0	1727	07	05	RUS		F1B		7K0E	CF; s9
7070.0	1704	18	05			J3E-L		2K70E	Comments; slavic language; three male voices
7085.5	1717	18	05			XXX		1K20E	CF; digital transmissions
7195.5	1219	27	05			PSK		1K25E	CF; probably STANAG4529
14118.0	0823	28	05	RUS		F1B		200H	Ui printer
14118.0	0909	30	05	RUS		F1B		200H	Ui printer
14120.0	1540	12	05	UKR		J3E-U			Music & Slavic speech, amongst several times “slava Ukraina”. (GRU)
14169.0	1212	27	05	RUS		F1B		200H	Printer
14192.0	1724	07	05	RUS		F1B		250H	Printer; Kaliningrad; almost daily
14227.0	1433	20	05	CHN		RADAR	50	10K0E	CF; OTHR; 5 seconds bursts
14252.0	1427	20	05	CHN		RADAR	50	10K0E	CF; OTHR; 5 seconds bursts
14271.0	1716	15	05	G		RADAR	25	20K0E	CF; UK Base Cyprus; short bursts
14331.0	1744	19	05	G		RADAR	12.5	20K0E	CF; UK base Cyprus; very strong
14333.0	1419	26	05	RUS		RADAR	40	12K0E	CF; OTHR Kontayner
18125.0	1711	31	05	CHN		RADAR	50	10K0E	CF; long lasting
21176.0	1738	21	05	RUS		RADAR	40	12K0E	CF; OTHR Kontayner
21370.0	1720	14	05	RUS		RADAR	40	12K0E	CF; OTHR Kontayner
24902.0	1415	26	05	G		RADAR	12.5	20K0E	CF; UK base Cyprus

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

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