



Monitoring Bericht Dezember 2023

Abbreviations:

aka = also known as | BC = Broadcast | BD = Baud, or also Burst duration | BRI = Burst repetition interval | BW = Bandwidth | ca = approximate | 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 | PRC = CHN People's Republic of China | RF = Radio frequency = VFO | SH = Shift (Hz) | sps = sweeps per second | TDoA Time difference of arrival | ui = unid = unidentified | x or xxx is used for unknown/not classified.

Digital transmissions: Frequency mostly center frequency (CF); otherwise indicated (LSB or USB).

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD / sps	SH / BW	DETAILS
7000.0	1636 1513	06 14	12			A3E			unid BC, very weak and fading daily
7000.0	1436	14	12			J7D	12x 120 Bd	2k70E	CIS12; PSK.4B, additional carrier at 6698.0 kHz
7025.0	1642 1001	06 21	12			F1B	50 Bd	200H	FSK almost daily
7025.0	1450	14	12			F1A		200H	CW-FSK
7032.0	0935	04	12			J7D	12x 120 Bd	2k70E	CIS12; 12 tones + pilottone only
7032.0 USB	0956	27	12			J3E-U		ca 2k0E	Russian chants
7051.70	0949	21	12			X		1k20E	unid signal
7054.0	1635 1349	06 21	12			F1B	50 Bd	200H	FSK, daily since a very long time
7055.0 LSB	1354 0951	08 27	12			J3E-L		ca 3k0E	RUS-UKR Radio War; almost daily Voice and Music
7086.750	1525	08	12			N0N			Carrier long, long lasting (Space from FSK at 7087)
7087.0	1412	08	12			F1B	150 Bd	500H	FSK
7088.0	2145	23	12			FMOP	40 sps	12k0E	OTHR: Contayner
7089.8	1005	27	12			G1D PSK8	2400 Bd	2k40E	LINK11 SLEW often (7088.0 USB)
7111.0 LSB	1503	14	12			PSK-4	30x 60 Bd	2k50E	CHN30 (PRC30); Burst system; Pre- amble 4x PSK4 60Bd, spacing 600Hz; Pilot tone at 450Hz
7119.0	0941	21	12			J7D	12x 120 Bd	2k70E	CIS12; weak
7127.0	2139	23	12			FMCW	83 sps	10k0E	OTHR, Bursts
7134.0	1941	23	12			F1B	50 Bd	250H	FSK
7150.0 USB	2132	23	12		various ID's	J7D MFSK8	125	1750	ALE MIL 188-141A; weak; often
7155.0 LSB	0945	21	12			PSK-4	30x 60 Bd	2k50E	CHN30 (PRC30); Burst system; Pre- amble 4x PSK4 60Bd, spacing 600Hz; Pilot tone at 450Hz very weak
7159.0 USB	1345 1443	08 14	12			G7D QPSK	75 Bd	ca 2k50E	LINK11 CLEW SSB mode; 16 tones spacing 110Hz often
7171.0 LSB	1711 1508	06 14	12			PSK-4	30x 60 Bd	2k50E	CHN30 (PRC30); Burst system; Pre- amble 4x PSK4 60Bd, spacing 600Hz; Pilot tone at 450Hz daily



USKA - Bandwacht

Member of IARU Monitoring System R1

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD / sps	SH / BW	DETAILS
7178.0	0944	04	12			J7D	12x 120 Bd	2k70E	CIS12
7193.0	1356	08	12			F1B	50	200H	FSK often
7196.0 LSB	1536 1351	19 21	12			PSK-4	30x 60 Bd	2k50E	CHN30 (PRC30); Burst system; Pre- amble 4x PSK4 60Bd, spacing 600Hz; Pilot tone at 450Hz
7198.0 LSB	1705	06	12			PSK-4	30x 60 Bd	2k50E	CHN30 (PRC30); Burst system; Pre- amble 4x PSK4 60Bd, spacing 600Hz; Pilot tone at 450Hz
14002.0	0934	21	12			F1B	50 Bd	850H	FSK, weak, strong QSB often
14141.0	1430	08	12			FMOP	40 sps	12k0E	OTHR: Contayner
14192.0	1004	21	12			F1B	50 Bd	200H	FSK daily
14236.0	0935	26	12			FMCW	50 Bd	10k0E	OTHR, short bursts only
18063.0	0915	21	12			FMOP	40 sps	12k0E	OTHR: Contayner
18121.0	0921	21	12			OTHR	X	10k0E	OTHR
21145.0 USB	1029	21	12		various	MFSK-8 J7D	8x 125 Bd	1k75	ALE MIL188-141A
21162.0	1027	21	12			OTHR	42 sps	10k0E	OTHR
21170.0	0948	04	12			FMOP	40 sps	12k0E	OTHR: Contayner
21329.0	0929	21	12	G		FMCW	50 sps	10k0E	OTHR
21438.0	0921 1337	04 21	12	RUS	RCV	A1A		10H	Area of Sevastopol; since years daily
28100.125	1025	07	12			F1B	51 Bd	300H	GPS Fishing buoy, short bursts daily
28385.0	0932	04	12	G		FMCW	50 sps	20k0E	OTHR; UK base Cyprus
28808.0	1003 1051	07 21	12			F1B	50 Bd	500H	FSK; ² nd of 14404/BW 250Hz
28860.0	1001 1029	07 21	12	IRN			150 + 313 sps	ca 45k	OTHR; Bursts; long lasting, sweep rate alternating almost daily

Errors and omissions excepted

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USKA Monitoring System (Intruder watch)

<https://www.uska.ch>

Member of IARU Monitoring System R1

<https://www.iaru-r1.org/spectrum/monitoring-system/>

This is my last Monitoring report after 18 years of activity

Dies ist mein letzter Monitoring Bericht nach 18 Jahren Aktivität

C'est mon dernier Monitoring rapport après 18 ans d'activité

Peter Jost, HB9CET