



USKA Monitoring Bericht Juli 2022

Der Juli brachte im Wesentlichen nichts Neues, dieselben Intruder wie immer. Auffällig war ein CIS12 auf 7000.0 kHz (CF) welches praktisch den ganzen Juli hindurch täglich (fast) rund um die Uhr aktiv war. Ab dem 29.7. war auf 7060.0 kHz über mehrere Tage ebenfalls ein CIS12 aktiv.

Auf 7200.0 kHz war wiederholt ein Rundfunksender aus Taiwan zu hören (National Unity Radio), dessen unteres Seitenband das 40m Band beeinträchtigt. Auf 7110.0 kHz

war und ist oft "Radio Ethiopia" zu hören. Ebenfalls häufig findet man auf 14000.0 kHz "China Radio International", es handelt sich um eine Intermodulation von 13855 und 13710 kHz. Auch auf 18080.0 kHz AM findet man hin und wieder "Sound of Hope" aus Taiwan. Auf 21450 kHz war am 30.7. ebenfalls ein Rundfunksender zu hören, Herkunft unbekannt.

Peter Jost, HB9CET7

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 = 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	1803 1954	01 18	07			J7D	12x120 Bd	2k70E	CIS12; long lasting; for quite some time daily
7000.0	1531	02	07			N0N		10H	long lasting carrier, strong fading
7004.8	1339 0534	07 21	07			XXX		ca 2k4	short bursts; unknown signal; maybe PSK 1800 single tone modem? often
7018.0	2147	14	07			FMOP	40 sps	12k0E	OTHR; Contayner
7025.0	0630	11	07	RUS	RDL	F1A		200H	CW-FSK encrypted; ID RDL
7025.0	0833 0509	14 29	07	RUS	RDL	F1B	50 Bd	200H	FSK often
7057.0	0756	14	07			J7D	12x120 Bd	2k70E	CIS12
7060.0	0915	29	07			J7D	12x120 Bd	2k70E	CIS12 often
7086.0	2152	14	07			FMOP	40 sps	12k0E	OTHR; Contayner
7110.0	1606	09	07	ETH	EBC	A3E		ca 9k0E	BC: Radio Ethiopia daily
7155.0 LSB	2139	14	07			PSK-4	30x60Bd	2k50E	CHN30 (PRC30); Burst system; Preamble 4x PSK4 60Bd, spacing 600Hz; Pilot tone at 450Hz
7176.0	1230	05	07			J7D	12x120 Bd	2k70E	CIS12; idling
7198.0	1524	02	07			J7D	12x120 Bd	2k70E	CIS12
7198.8	2010	18	07			XXX		ca 3k	unid.
7200.0	vt	vd	07			A3E		ca 9k	National Unity Radio, Taiwan often
14000.0	1402	01	07		CRI	A3E			China Radio International. Intermodulation from 13855 + 13710 kHz often
14026.0	1129	04	07			J7D	12x120 Bd	2k70E	CIS12 often
14048.0	1351	28	07			XXX		ca 2k7	unid signal
14050.0	2017	18	07			FMOP	40 sps	12k0E	OTHR; Contayner
14086.0	0830	18	07			F1B	75	250H	FSK
14089.0	0754	08	07			FMOP	40 sps	12k0E	OTHR; Contayner
14098.5	1342	14	07			ARQ	600/ 1200	600H 1200H	DPRK ARQ system (FSK or PSK) often



USKA - Bandwacht

Member of IARU Monitoring System R1

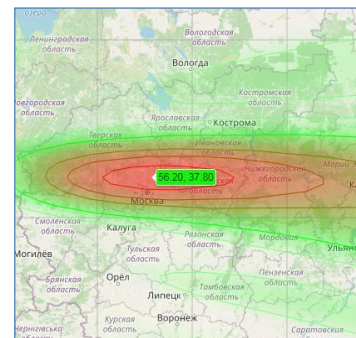
kHz	UTC	DD	MM	ITU	IDENT	MODE	BD / sps	SH / BW	DETAILS
14118.0	1000	28	07			J7D	12x120 Bd	2k70E	CIS12; idling
14148.0	1323	07	07			FMOP	40 sps	12k0E	OTHR; Contayner
14154.0	0955	17	07			FMOP	40 sps	12k0E	OTHR; Contayner
14155.0	1805	20	07			OTHR	66.66 sps	10k0E	OTHR, bursts
14160.0	0948	17	07			FMOP	40 sps	12k0E	OTHR; Contayner
14168.0	0911	09	07			FMOP	40 sps	12k0E	OTHR; Contayner
14193.0	0519	21	07			FMOP	40 sps	12k0E	OTHR; Contayner
14195.0	0907	09	07			FMOP	40 sps	12k0E	OTHR; Contayner
14198.5	1336	14	07			ARQ /FSK	600 Bd	600H	DPRK, FSK ARQ system often
14221.0	2217	08	07			F1B	50 Bd	200H	FSK often
14258.0	1351	04	07			F1B	50 Bd	500H	FSK
14292.0	1209	27	07			A1A		10H	CW: only short sequences, no ham
14296.0	1619	1626	07			OTHR	40	12k	OTHR, only short sequence (burst)
14300.0	1245	26	07			FMOP	40 sps	12k0E	OTHR; Contayner
14312.0	1406	01	07			FMCW	66.66 sps	10k0E	OTHR; Bursts
18070.0	1243	06	07	G		FMCW	50 sps	20k0E	OTHR; UK base Cyprus
18080.0	0628	14	07			A3E			BC: Sound of Hope, Taiwan daily
18081.0	0714	07	07			FMOP	40 sps	12k0E	OTHR; Contayner
18165.0	0745	14	07			OTHR	12	40k	OTHR, wideband 40kHz
21005.0	0801	08	07			FMOP	40 sps	12k0E	OTHR; Contayner
21163.0	0754	14	07			FMOP	40 sps	12k0E	OTHR; Contayner
21250.0	1343	30	07	G		FMCW	50 sps	20k0E	OTHR; UK base Cyprus
21410.0	1246	06	07			FMOP	40 sps	12k0E	OTHR; Contayner
21438.0	0831	06	07	RUS	RCV	A1A		10H	Area of Sevastopol daily
21450.0	1332	30	07			A3E		9k0E	BC, Music and voice, sounds arabian?
28139.0	0745	08	07	IRN		?	307 + 870 sps	ca 45k	OTHR, Bursts; long lasting, sweep rate alternating
28142.0	0827	06	07	IRN		?	307 + 870 sps	ca 45k	OTHR, Bursts; long lasting, sweep rate alternating
28860.0	0809 0828	06 14	07	IRN		?	150 + 313 sps	ca 50k	OTHR, Bursts; long lasting, sweep-rate alternating often

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/>



7000.0 kHz: CIS12, 12x120Bd PSK, Pilot at 3300Hz (Bild HB9CET) mit TOA vom KIWI SDR Network (@DK2OM)