



USKA Monitoring Bericht Juni

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	1240 0528	15 30	06			J7D	12x120 Bd	2k70E	CIS12: partialy in 40m band often
7001.8	1701 2245	27 28	06			G1D PSK8		2k80E	short burst, short FSK intro; ev MIL188-xxx modified (seriel/parallel Hybrid)
7014.8	1230	15	06			G1D PSK-8	2400	2k40E	1800Hz single tone modem. Most likely MIL188-110A
7015.0	1231	15	06			XXX		ca 5k0E	most likely Jammer (over the PSK-8)
7018.0	1028	27	06			J7D	12x120 Bd	2k70E	CIS12
7020.0	1209	15	06			F1B	75 Bd	250H	FSK; long lasting
7023.0	2212	30	06			J7D	12x120 Bd	2k70E	CIS12
7025.0	1549 0825 0542	03 10 30	06	RUS	RDL	F1B	50 Bd	200H	FSK often
7025.0	2241	09	06			J7D	12x120 Bd	2k70E	CIS12
7025.0	0545	30	06	RUS	RDL	F1A		200H	CW-FSK encrypted; ID RDL
7026.0	2215	30	06			J7D	12x120 Bd	2k70E	CIS12
7031.0	1410	03	06			XXX		ca 8k0E	unid signal; most likely Jammer
7047.0	2224	30	06			FMOP	40 sps	12k0E	OTHR; Contayner
7049.0	2132	15	06			FMOP	40 sps	12k0E	OTHR; Contayner
7053.5	2146	21	06			XXX		ca 4k0E	unid signal; long lasting; most likely Jammer
7054.0	1333	09	06		RDL	F1B	50 Bd	200H	FSK
7055.0 LSB	1549 1715 0633	03 07 30	06			J3E-L		ca 3k0E	RUS-UKR Radio War almost daily
7057.0	0725 0834	21 28	06			J7D	12x120 Bd	2k70E	CIS12 often
7065.0	2225	20	06			FMOP	40 sps	12k0E	OTHR; Contayner
7076.0	1715	24	06			XXX		ca 18k	Jammer
7089.8	1701 0848	02 04	06			G1D PSK8	2400	ca 3k0E	LINK 11 SLEW often
7106.0	0734	01	06			OTHR		ca 50k	OTHR
7108.0 LSB	0834	12	06			PSK-4	30x60Bd	2k50E	CHN30 (PRC30); Burst system; Pre-ambble 4x PSK4 60Bd, spacing 600Hz; Pilot tone at 450Hz
7110.0	1713	07	06	ETH		A3E		ca 9k0E	BC: Radio Ethiopia daily
7113.0	2230	30	06			FMOP	40 sps	12k0E	OTHR; Contayner
7119.0	1323	09	06			J7D	12x120 Bd	2k70E	CIS12: weak, strong fading



USKA - Bandwacht

Member of IARU Monitoring System R1

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD / sps	SH / BW	DETAILS
7138.0	0741	01	06		RDL	F1B	50 Bd	250H	FSK; long lasting; almost daily ID in F1A
7147.0	2044 0615	09 20	06			J7D	12x120 Bd	2k70E	CIS12
7154.0 LSB	2057	15	06			PSK-4	30x60Bd	2k50E	CHN30 (PRC30); Burst system; Pre- amble 4x PSK4 60Bd, spacing 600Hz; Pilot tone at 450Hz
7155.0	1536	03	06			J7D	12x120 Bd	2k70E	CIS12: weak, strong fading
7170.0	0828 1420	03	06			F1B	75 Bd	200H	FSK; long lasting
7198.5	0849	12	06			OFDM ?		2k0E	unid signal; most likely OFDM
14000.0	1422	01	06		CRI	A3E			China Radio International. intermodu- lation from 13855 + 13710 kHz often
14002.0	0609	30	06			FMOP	40 sps	12k0E	OTHR; Contayner
14003.8	2213	03	06			XXX		ca 3k3	unid signal
14008.0	0849 0907	15 22	06			F1B	50 Bd	250H	FSK almost daily
14019.0	1352	15	06			XXX		ca2k50E	unid burst signal, stopped at 1357z
14020.0	0537	25	06			XXX		ca 8k0E	unid signal; most likely Jammer
14025.0	0843	18	06			XXX		ca2k50E	unid burst signal
14026.0	1516	03	06			J7D	12x120 Bd	2k70E	CIS12
14042.0	1647	24	06			XXX		ca 8k0E	unid signal; most likely Jammer
14043.0	1112	18	06			XXX		ca 3k0	unid burst signal
14051.0	0803	02	06			XXX		ca 8k0E	unid signal; most likely Jammer
14056.0	1713	01				OTHR	50	10k0E	
14086.0	1034	27	06			FMOP	40 sps	12k0E	OTHR; Contayner
14090.9	0837	08	06			W7D OFDM 60		2k80E	OFDM 60, spacing 44.4Hz
14098.5	0824	02	06			ARQ	600/ 1200	600H 1200H	DPRK ARQ system (FSK or PSK) often
14101.0	1204	21	06			FMOP	40 sps	12k0E	OTHR; Contayner
14110.0	1600	19	06			FMOP	40 sps	12k0E	OTHR; Contayner
14111.0	0614	30	06			FMOP	40 sps	12k0E	OTHR; Contayner
14117.0	1709	24	06			OTHR	66.66 sps	10k0E	OTHR, bursts
14119.0	1316	14	06			FMOP	40 sps	12k0E	OTHR; Contayner
14121.0	1215	21	06			FMOP	40 sps	12k0E	OTHR; Contayner
14125.0	1335	28	06			FMOP	40 sps	12k0E	OTHR; Contayner
14127.0	1724	07	06			FMOP	40 sps	12k0E	OTHR; Contayner
14129.0	2216	28	06			FMOP	40 sps	12k0E	OTHR; Contayner
14132.0	0717 1343	21 28	06			FMOP	40 sps	12k0E	OTHR; Contayner
14133.0	1324	14	06			FMOP	40 sps	12k0E	OTHR; Contayner
14138.0	1037	24	06			J7D	12x120 Bd	2k70E	CIS12
14139.0	2206	28	06			FMOP	40 sps	12k0E	OTHR; Contayner
14140.0	1256	02	06			FMOP	40 sps	12k0E	OTHR; Contayner
14160.0	0855	24	06			F1B		250H	FSK
14181.0	1529	03	06			FMOP	40 sps	12k0E	OTHR; Contayner
14184.0	0728	01	06			FMOP	40 sps	12k0E	OTHR; Contayner
14188.0	1337	12	06			FMOP	40 sps	12k0E	OTHR; Contayner
14189.0	0750	09	06			FMOP	40 sps	12k0E	OTHR; Contayner
14191.0	1230	02	06			FMOP	40 sps	12k0E	OTHR; Contayner
14192.0	1718	07	06			FMOP	40 sps	12k0E	OTHR; Contayner



USKA - Bandwacht

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kHz	UTC	DD	MM	ITU	IDENT	MODE	BD / sps	SH / BW	DETAILS
14193.0	0818	10	06			FMOP	40 sps	12k0E	OTHR; Contayner
14198.4	1231	02	06			ARQ PSK2		1200	DPRK ARQ system often
14198.5	0820	28	06			ARQ PSK2	600 Bd	600H	FSK: DPRK ARQ system often
14221.0	2046 2052	09 15	06			F1B	50 Bd	200H	FSK almost daily
14238.1	0757	09	06			F1B	75 Bd	250H	FSK
14242.0	1026	24	06			J7D	12x120 Bd	2k70E	CIS12
14253.0	1524	25	06			FMCW	66.66 sps	10k0E	OTHR; Bursts
14298.5	1237	02	06			ARQ PSK2	1200	1200	DPRK PSK ARQ system
14298.5	0646 0809	03 09	06			ARQ FSK	600	600	DPRK FSK ARQ system
14312.0	1631	24	06			FMOP	40 sps	12k0E	OTHR; Contayner
14327.0	1330	12	06			FMOP	40 sps	12k0E	OTHR; Contayner
14334.0	1002	12	06			FMOP	40 sps	12k0E	OTHR; Contayner; long lasting
14341.0	1357	28	06			OTHR	42 sps	10k0E	OTHR, short bursts only
14343.0	1604	19	06			FMCW	66.66 sps	10k0E	OTHR; Bursts
18080.0	0612	20	06			A3E			BC: Sound of Hope, Taiwan daily
18090.0	0902	22	06			FMOP	40 sps	12k0E	OTHR; Contayner
18173.0	0640	03	06			FMOP	40 sps	12k0E	OTHR; Contayner; partially in 17m band
21000.0	1425	01	06	G		FMCW	50 sps	20k0E	OTHR; UK base Cyprus; partially in 15m band
21002.0	1231	15	06			XXX		ca 18k0E	unknown signal; maybe OTHR
21003.5	1522	15	06			XXX		ca 12k	unknown signal, maybe OTHR
21020.0	1142	20	06	G		FMCW	50 sps	20k0E	OTHR; UK base Cyprus
21045.0	0847	22	06	G		FMCW	50 sps	20k0E	OTHR; UK base Cyprus
21122.9	1310	21				XXX		ca 11k0	unknown signal, long lasting
21122.9	2131	21				XXX		ca 18k0	unknown signal, strong fading long lasting
21171.0	0901	13	06			FMOP	40 sps	12k0E	OTHR; Contayner
21175.0	0828	17	06			FMOP	40 sps	12k0E	OTHR; Contayner
21290.0	0934	01	06	G		FMCW	50 sps	20k0E	OTHR; UK base Cyprus
21350.0	1215	20	06	G		FMCW	50 sps	20k0E	OTHR; UK base Cyprus
21371.0	0851	15	06	G		OTHR	50 sps	10k0E	OTHR;
21438.0	0857	04	06	RUS	RCV	A1A		10H	TDoA: Area of Sevastopol daily
28000.0	0744	17	06	IRN			307 + 870 sps	ca 45k	OTHR, Bursts; long lasting sweep rate alternating
28047.6	1200	15	06			F1B	51	300H	GPS fishing buoy "Enagal"
28149.0	1152	21	06	IRN			307 + 870 sps	ca 45k	OTHR, Bursts; long lasting sweep rate alternating
28153.0	1213	21	06	IRN			307 + 870 sps	ca 45k	OTHR, Bursts; long lasting sweep rate alternating
28181.58	1347	24	06		LU	A1A		ca 15H	CW fishing buoy
28860.0	0658 0857	03 15	06	IRN			150 + 313 sps	ca 50k	OTHR, Bursts; long lasting sweep- rate alternating often
29110.0	0813	02	06	G		FMCW	50 sps	20k0E	OTHR; UK base Cyprus
29130.0	1158	20	06			F3E		ca 4k	unid language (maybe Russian?)

Errors and omissions excepted

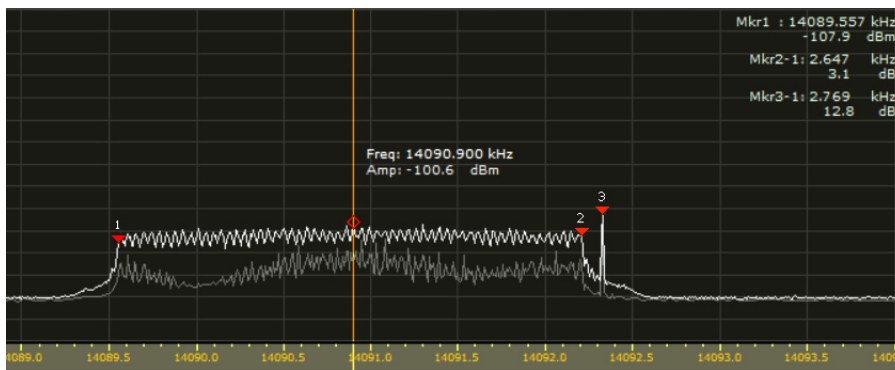


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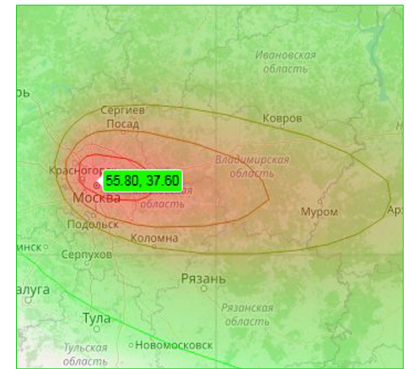
USKA Monitoring System (Intruder watch)
<https://www.uska.ch>

Member of IARU Monitoring System R1
<https://www.iaru-r1.org/spectrum/monitoring-system/>

OFDM 60 auf 14089.0 kHz (VFO USB)



OFDM 60; 60 Töne, Tonabstand 44.4Hz, + Pilot Ton;
Spektrum mit Perseus SDR; Bild HB9CET



TDoA Ortung mit Kiwi SDR
Netzwerk (© DK2OM)

Wiederholt und auf verschiedenen Frequenzen beobachtet.