



## Monitoring Report December 2017

kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH (BW)	DETAILS
<b>80m band informational only! - Amateur co-primary, shared with other also primary allocated services!</b>									
3501.8	2314	14	12			PSK8	2400	2k4	STANAG 4285
3500.0	2126	19	12			J3E-U		~2k4	English patois
3522.0	1602	01	12			F1B	75	250	
3524.0	0001	01	12			F1B	75	200	
3524.0	2316	07	12			F1B	75	165	daily
3524.0	1623	13	12			J7D	12x120	2k7	BPSK; CIS12
3525.0	2318	03	12			DQPSK	14x75	5k9	LINK 11 CLEW; DSB Mode often
3526.8	2259	19	12			PSK8	2400	~2k7	LINK 11 SLEW
3527.0	2319	03	12			F1B	50	200	almost daily
3532.0	2320	03	12			DQPSK	14x75	5k9	LINK 11 CLEW; DSB Mode often
3535.0 VFO USB	2335	12	12			PSK8	2400	~2k7	
3535.0	1729	17	12			J3E-U		~2k1	Spanish patois (Fishery)
3548.0	2241	02	12			F1B	50	200	often
3550.0	2244	02	12			J7D	12x120	2k7	BPSK; CIS12 often
3553.8	0059	01	12			PSK8	2400	2k4	STANAG 4285, daily
3559.0	1104	02	12			J7D	12x120	2k7	BPSK; CIS12
3560.0	1609 1729	05 10	12			J3E-U		2k4	Fishery; Spanish often
3563.0	1532	08	12			J7D	12x120	2k7	BPSK; CIS12 often
3567.5	2243	07	12			F1B	81	500	
3572.0	2332	06	12			J7D	12x120	2k7	BPSK; CIS12
3572.0 VFO USB	2259	12	12			PSK8	2400	~2k7	MIL 188-110A mod (Hybrid), preamble 4 tones, PSK4 75Bd 450Hz spacing
3582.5	2208	10	12			F1B	50	200	almost daily
3593.7	2319	07	12		D	A1A			Letter beacon; Sevastopol
3593.9	2321	07	12		S	A1A			Letter beacon; Severomorsk
3594.0	2323	07	12	RUS	C	A1A			Letter beacon; Moscow
3598.0	2156	13	12			F1B	100	250	
3598.0	1807	15	12			F1B	75	200	(very weak; strong via JA remote rx)
3606.0	1742	10	12			F1B	50	250	
3612.0	2246	07	12			J7D	12x120	2k7	BPSK; CIS12
3632.0 VFO USB	2259	13	12			PSK8	2400	~2k7	MIL 188-110A mod (Hybrid), preamble 4 tones, PSK4 75Bd 450Hz spacing
3640.0	2322	11	12		XSS	MFSK8	125	1750	ALE, MIL 188-141A often
3640.0	2159	13	12			F1B	75	250	
3640.0	2044	19	12			J7D	12x120	2k7	BPSK; CIS12
3653.0	2307	07	12			F1B	50	200	
3658.0	2229	13	12		V	A1A			Letter beacon daily
3680.0	2327	11	12			F1B	81	500	often
3691.0	0046	01	12			J3E-L			Patriotic music
3699.0	2247	02	12			J7D	12x120	2k7	BPSK; CIS12 often
3702.0	2210	13	12			F1B	100	200	
3714.0	1638	13	12			F1B	75	250	
3718.0	1739	10	12			PSK8	2400	2k4	STANAG 4285



# USKA - Bandwacht

Member of IARU Monitoring System R1



kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH (BW)	DETAILS
3727.0	1651	12	12			J7D	12x120	2k7	BPSK; CIS12
3730.0	2300	07	12			MFSK8	125	1750	ALE, MIL 188-141A; followed by voice
3730.0	2302	07	12			J3E-U		~2k1	unid language
3734.0	1520	08	12			J7D	12x120	2k7	BPSK; CIS12
3743.0 VFO USB	2234	13	12			PSK8	2400	~2k7	MIL 188-110A mod (Hybrid), preamble 4 tones, PSK4 75Bd 450Hz spacing <span style="float: right;">often</span>
3759.0	1738	10	12			J7D	12x120	2k7	BPSK; CIS12
3792.0	1733	10	12			F1B	50	200	<span style="float: right;">often</span>
3797.0	1617	05	12			F1B	75	250	
3801.0	2348	06	12			J7D	12x120	2k7	BPSK; CIS12; partially in 80m
7001.8	1643	12	12			PSK8	2400	2k4	STANAG 4285 <span style="float: right;">often</span>
7008.0	1042	02	12			F1B	75	165	
7008.0	1037	07	12			F1B	75	250	
7010.0	1741	12	12		920004	MFSK8	125	1750	ALE, MIL 188-141A; <span style="float: right;">To: 920001</span>
7010.0	1749	12	12		920018	MFSK8	125	1750	ALE, MIL 188-141A
7010.0	1804	12	12		920001	MFSK8	125	1750	ALE, MIL 188-141A; <span style="float: right;">To: 920001</span>
7013.0	1757	06	12		106025	MFSK8	125	1750	ALE, MIL 188-141A <span style="float: right;">often</span>
7013.0	2119	14	12		302006	MFSK8	125	1750	ALE, MIL 188-141A <span style="float: right;">often</span>
7013.0	2229	14	12		302005	MFSK8	125	1750	ALE, MIL 188-141A <span style="float: right;">often</span>
7013.0	2234	14	12		303005	MFSK8	125	1750	ALE, MIL 188-141A <span style="float: right;">often</span>
7014.0	1032	07	12			F1B	75	250	
7020.0	1913	14	12			FMCW	41 sps	10k	OTHR; Burst system; BD 6s
7030.0	1718	17	12			J7D	12x120	2k7	BPSK; CIS12
7033.0	1247	17	12			J7D	12x120	2k7	BPSK; CIS12
7039.4	1631	05	12		M	A1A			Letter beacon; Magadan (weak)
7055.0	1034	07	12			F1B	75	250	
7083.0	1108	04	12			FMCW	66.66	10k	OTHR; Burst system BD 3.8s
7119.0	2243	11	12			J7D	12x120	2k7	BPSK; CIS12
7120.0	1510	03	12	SOM		A3E			BC; Radio Hargaysa <span style="float: right;">almost daily</span>
7134.0	2051	14	12			F1B	50	200	
7144.0 VFO LSB	2010	14	12			BPSK	30x60Bd	~2k5	Burst system; tone spacing 75 Hz. Preamble 4x PSK 60Bd, spacing 600Hz; Pilot tone at 450Hz
7162.0	2323	05	12			A1A			short groups; encrypted
7176.0	0905	14	12			F1B	75	250	
7176.0	1803	15	12			J7D	12x120	2k7	BPSK; CIS12 (weak; strong via rx in JA)
7180.0	1511	03	12	ERI		A3E		~8k	BC, massively jammed
7180.0	1511	03	12					~10k	Jammer, white noise, heavy
7181.5	1605	05	12	ERI		A3E		~9k	BC <span style="float: right;">almost daily</span>
7180	1605	05	12					~10k	Jammer, white noise, heavy
7186.0	1055	02	12			F1B	75	500	
7193.0	1048	04	12			F1B	50	200	<span style="float: right;">often</span>
7193.1	1048	04	12			A1A			Jammer; fast dots; stupid and absolutely illegal!
7197.0	vt	vd	12		various	MFSK8	125	1750	ALE, MIL 188-141A; <span style="float: right;">almost daily</span>
7198.0	1725	14	12			J7D	12x120	2k7	BPSK; CIS12 <span style="float: right;">often</span>
14105.0	0915	05	12			FMOP	50	10k	OTHR; Burst system BD 5s BRI 41s
14140.0	0841 0918	19 21	12			FMOP	25 sps	50k	OTHR <span style="float: right;">often</span>



kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH (BW)	DETAILS
14192.0	0908	06	12			F1B	50	200	
14192.0	1240	07	12			F1A		200	
14200.0	0900	07	12			FMCW	25 sps	20k	OTHR
14244.0	0851	07	12			FMOP	50 sps	10k	OTHR; Burst system BD 5s BRI 41s
14260.0	0820	19	12			FMOP	25 sps	50k	OTHR
14295.2	0921	07	12			A3E		ca. 9k	3 <sup>rd</sup> of 4765 – Radio Tajikistan
14297.7	0947	05	12			unid	?	ca 3.9k	
14328.0	0922	21	12			FMOP	50 sps	10k	OTHR
18065.0	0935	21	12			FMCW	12.5sps	40k	OTHR; partially in 17m band
18070.0	1240	12	12			FMCW	50 sps	20k	OTHR; partially in 17m band
18153.0	0847	19	12			FMCW	42 sps	10k	OTHR; (Burst system)
21010.0	1046	07	12			FMCW	50 sps	20k	OTHR

Errors and omissions excepted

Digital transmissions: Frequency indications mostly center frequency; otherwise indicated.

**BC** = Broadcast // **BD** = Baud, or also Burst duration // **BRI** = Burst repetition interval // **SH** = Shift or Spacing (Hz)  
**BW** = Bandwidth // **OTHR** = over the horizon radar // **FMCW** = frequency modulated continuous wave //  
**FMOP** = frequency modulated on pulse // **sps** = sweeps per second // **vd** = various dates // **vt** = various times

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## Silent Key **Uli Bihlmayer, DJ9KR**



Am 16. Dezember 2017 verstarb nach längerer Krankheit Ulrich Bihlmayer, DJ9KR. Er war über 25 Jahre (bis Ende 2012) Leiter der DARC Bandwacht und acht Jahre Vize-Koordinator des IARU Monitoring Systems der Region 1. Uli war im Kampf gegen Intruder über all die Jahre ein unermüdlicher Verteidiger unserer Bänder und damit sehr erfolgreich. Dank ihm entstand kontinuierlich ein effizientes Team von Bandwächtern im DARC und der IARU R1. Für seinen grossen Einsatz erhielt Uli zahlreiche Auszeichnungen, darunter die IARU Region 1 Medaille !

Uli Bihlmayer war auch massgebend mitverantwortlich, dass ich 2006 die USKA Bandwacht übernahm und später von ihm das Amt des Vize-Koordinators der IARU R1 MS.

Wir werden Uli schmerzlich vermissen.

Peter Jost, HB9CET  
 Vize Koordinator IARU MS Region 1  
 Leiter USKA Bandwacht