

**ANNEX 1-1**

**Table of Frequencies for AM Broadcasting**

Channel No.	Assigned Frequency (kHz)	Channel No.	Assigned Frequency (kHz)	Channel No.	Assigned Frequency (kHz)
1	531	41	891	81	1251
2	540	42	900	82	1260
3	549	43	909	83	1269
4	558	44	918	84	1278
5	567	45	927	85	1287
6	576	46	936	86	1296
7	585	47	945	87	1305
8	594	48	954	88	1314
9	603	49	963	89	1323
10	612	50	972	90	1332
11	621	51	981	91	1341
12	630	52	990	92	1350
13	639	53	999	93	1359
14	648	54	1008	94	1368
15	657	55	1017	95	1377
16	666	56	1026	96	1386
17	675	57	1035	97	1395
18	684	58	1044	98	1404
19	693	59	1053	99	1413
20	702	60	1062	100	1422
21	711	61	1071	101	1431
22	720	62	1080	102	1440
23	729	63	1089	103	1449
24	738	64	1098	104	1458
25	74	65	1107	105	1467
26	756	66	1116	106	1476
27	765	67	1125	107	1485
28	774	68	1134	108	1494
29	783	69	1143	109	1503
30	792	70	1152	110	1512
31	801	71	1161	111	1521
32	810	72	1170	112	1530
33	819	73	1179	113	1539
34	828	74	1188	114	1548
35	837	75	1197	115	1557
36	846	76	1206	116	1556
37	855	77	1215	117	1576
38	864	78	1224	118	1584
39	873	79	1233	119	1593
40	882	80	1242	120	1602

**ANNEX 1-2**

**Table of Frequencies for Broadcasting-Satellite Service**

**1. Table of Frequencies for Broadcasting-Satellite Service in the 12GHz Band**

Satellite orbital position	Polarization	Channel No.	Assigned frequency (GHz)
110° E	Right-handed (clockwise) circularly polarized wave	1	11.72748
		3	11.76584
		5	11.8042
		7	11.84256
		9	11.88092
		11	11.91928
		13	11.95764
		15	11.996
		17	12.03436
		19	12.07272
		21	12.11108
	23	12.14944	
	Left-handed (anti-clockwise) circularly polarized wave	2	11.74666
		4	11.78502
		6	11.82338
		8	11.86174
		10	11.9001
		12	11.93846
		14	11.97682
		16	12.01518
		18	12.05354
		20	12.0919
	22	12.13026	

**2. Table of Frequencies for Feeder Links for Broadcasting-Satellite Service in the 17GHz Band**

Satellite orbital position	Polarization	Channel No.	Assigned frequency (GHz)
110° E	Right-hand (clockwise) polarized wave	1	17.32748
		3	17.36584
		5	17.4042
		7	17.44256
		9	17.48092
		11	17.51928
		13	17.55764
		15	17.596
		17	17.63436
		19	17.67272
		21	17.71108
		23	17.74944
		Left-handed (anti-clockwise) circularly polarized wave	2
	4		17.38502
	6		17.42338
	8		17.46174
	10		17.5001
	12		17.53846
	14		17.57682
	16		17.61518
	18		17.65354
	20		17.6919
	22	17.73026	

**ANNEX 2-1**

**Table of Frequencies in the Exclusive Bands for the Aeronautical Mobile (R) Service (2-22MHz Band)**

Frequency (kHz)	Authorized area of use	Remarks
2851	M AFI R 2A 3B 3C 9C 11B 13E 13F 14	CC 3B 3C CC 13E 13F C001/2A
2854	M SAT R 3A 3B 6E 10B	CC 3A 3B
2857	R 2B 2C 6B 13J	CC 2B 2C
2860	R 1B 3A 3C 9B 10B 12E 12J 13I V VAFI	CC 3A 3C CC 12E 12J C001/1B
2863	R 2A 2C 7B 13C 13J 13K V VPAC	CC 2A 2C CC 13C 13J 13K
2866	R 2C 3C 4B 6D 10A	C001/3C
2869	M CEP R 2A 2B 3A 6G 10E 13C 14G	CC 2A 2B 3A C009/6G
2872	M NAT R 3B 6A 6E 13G	CC 6A 6E
2875	R 2A 2B 3A 6G 10A 12G	CC 2A 2B 3A C009/6G
2878	M AFI R 3B 3C 11B 13I 13J 14	CC 3B 3C CC 13I 13J
2881	R 1B 2A 2B 3A 6C V VSAM	CC 2A 2B 3A C001/1B
2884	R 2C 3B 6D	C001/3B
2887	M CAR R 2A 2B 3A 7E 13I 14C	CC 2A 2B 3A C001/2A 2B 3A
2890	R 1B 6G 13J	
2893	R 2C 3 4B 10D 12F	CC 2C 3
2896	R 2A 2B 3A 6G	CC 2A 2B 3A C009/6G
2899	M NAT R 5D 6G 13H	
2902	R 2B 2C 3B 6G 12J	CC 2B 2C 3B C009/6G
2905	R 3A 3C 5C 9B V VNAT	CC 3A 3C
2908	R 2B 2C 3B 13M	CC 2B 2C 3B
2911	R 3A 5B 6G 10A	C001/3A C010/6G
2914	R 2B 2C 3B 13D	CC 2B 2C 3B
2917	R 2A 6E 6G	C010/6G
2920	R 2B 2C 6B 12C 13J	CC 2B 2C
2923	R 3A 6A	C001/3A

Frequency (kHz)	Authorized area of use	Remarks
2926	R 2A 2C 4A 6F 10C 12J	CC 2A 2C C001/4A
2929	R 2B 9B	C001/9B
2932	M NP R 2A 2C 13K	CC 2A 2C
2935	M SAT M 3 10D	
2938	R 2 6G	C009/6G
2941	R 2A 6F	
2944	M MID SAM R 10A 10E 14G	
2947	R 6A	
2950	R 2 3C 7C 10F 12A 14A 14D V VCAR	CC 2 3C CC 14A 14D
2953	R 4A 6G	
2956	R 6C 7F 10A 12E 12F 12G 12H 13F V VMID	CC 12E 12F 12G 12H
2959	R 3A	
2962	M NAT R 6G	
2965	R 1E 7B 10C 12F 12J 13H V VSEA	CC 12F 12J
2968	R 3B 5B 6G	C001/3B C009/6G
2971	M NAT R 5D 6G 13G	
2974	R 1D 3C	
2977	R 1C 6G 13M	
2980	R 1D 3C 12C	
2983	R 1C 6G 13D	
2986	R 3C 5A 13N	
2989	R 1D 6G	
2992	M MID R 10A 10E 13C	
2995	R 6G	
2998	M CWP R 7D 12E 12F 12G 12H 13F V VEUR	CC 12E 12F 12G 12H
3001	R 6A 6E	CC 6A 6E
3004	M NCA R 11B 13K	
3007	W Worldwide	C100/II III
3010	W Worldwide	C100/I IV
3013	W Worldwide	C100/II V
3016	M EA NAT R 9D 13G	
3019	M NCA R 11B 13K	
3023	W Worldwide (R) and (OR)	see note 2)

Frequency (kHz)	Authorized area of use	Remarks
3401	R 2B 2C 3B 9B 12C 13K	CC 2B 2C 3B C001/9B
3404	R 3A 3C 9C 9D 10B V VAFI	CC 3A 3C CC 9C 9D
3407	R 2B 2C 3B 7C 12D 14D	CC 2B 2C 3B
3410	R 1D 3C 11B 13J	
3413	M CEP R 3B 6G 13C 14A 14E V VEUR	CC 14A 14E C009/6G
3416	R 1D 2A 2B 3A 6D	CC 2A 2B 3A C001/2A 2B 3A
3419	M AFI R 3B 3C 9B 10D 12J 13I	CC 3B 3C
3422	R 2A 2B 3A 6G	CC 2A 2B 3A C001/6G C004/6G
3425	M AFI R 3B 3C 9B 10D 13D	CC 3B 3C
3428	R 2B 2C 11B 13J	CC 2B 2C
3431	R 3A 3B 5B 6G	CC 3A 3B C001/3A 3B C009/6G
3434	R 2A 2C 6F 11B 13G	CC 2A 2C
3437	R 3B 4A 6G 13M	C001/3B
3440	R 2A 2C 6F 12	CC 2A 2C
3443	R 3A 3B 4B 6E 11B 13N	CC 3A 3B
3446	R 1D 6G 10E 13F 14	
3449	R 2B 2C 6G 10A 13M	CC 2B 2C C001/6G C004/6G
3452	M SAT R 3A 3C 5A 5C 14C	CC 3A 3C CC 5A 5C
3455	M CAR CWP R 2A 2C 7B 13H	CC 2A 2C
3458	R 1B 10D 13C 13J 13K V VSEA	CC 13C 13J 13K C001/1B
3461	R 7F 9C 12E 12F 12G 12H 14 V VNCA	CC 12E 12F 12G 12H
3464	R 1C 6G 12C 13K	
3467	M AFI MID SP R 10B 13D	CC AFI MID
3470	M SEA R 1C 10A 13G	
3473	M MID R 1B 6C 10E 13C	C001/1B
3476	M INO NAT R 9B 13F	C001/9B
3479	M EUR SAM R 6A 6B 14	
3482	R 5D 6G	

(continued)

Frequency (kHz)	Authorized area of use	Remarks
3485	M EA SEA R 7E 13H V VNAT	CC EA SEA
3488	R 1B 5B 6B 10B 12E 12F 12G 12H 14B 14F	CC 12E 12F 12G 12H CC 14B 14F C001/1B
3491	M EA R 1E 4A 10C 13E	CC 1E 4A
3494	W Worldwide	C100/II
3497	W Worldwide	C100/II
4651	R 1D 6C 6G 10B 10E 13E 13F	CC 13E 13F C001/6G
4654	W Worldwide	C100/I II
4657	M AFI CEP R 2A 2C 3B 6A 6E 13H	CC 2A 2C C001/2A 2C CC 6A 6E C001/6A 6E
4660	R 2B 2C 9B 10C 13D 13M	CC 2B 2C CC 13D 13M
4663	R 6G 10F 13E 13F 13K V VNCA	CC 13E 13F 13K C001/6G
4666	M CWP R 1C 10B 10D 10E	CC 10B 10D 10E
4669	M MID SAM R 6G 10C 10D	CC 10C 10D C001/6G
4672	R 2A 2B 3A 4A 6G 11B 13K	CC 2A 2B 3A C001/4A C001/6G
4675	M NAT R 6A 6E 9C 13G	CC 6A 6E C001/13G
4678	M NCA R 10D 13I 14A 14G	CC 14A 14G C001/14A 14G
4681	R 2B 2C 3B 10B 12E	CC 2B 2C 3B
4684	R 3A 3C 10E 13J 14B 14C	CC 3A 3C CC 14B 14C C001/14B 14C
4687	W Worldwide	C100/I II III
4690	R 2A 2B 3A 6G 10B 13M	CC 2A 2B 3A C001/6G
4693	R 2B 2C 3 10B 12C 13I 14D	CC 2B 2C 3 C001/14D
4696	R 2 6G 9 10 13J	C001/6G
5451	R 10F 11B 12F 12H 13I 13J	CC 12F 12H CC 13I 13J
5454	R 10 12E 13F 13J	
5457	R 10C 13N	
5460	R 10B 10E 12C 13D	
5463	R 11B 13H 13K 13M	
5466	R 10B 13I	
5469	R 11B 13G	

Frequency (kHz)	Authorized area of use	Remarks
5472	R 10A 10D 13H	
5475	R 10A 10D 12E 12F 13G	CC 12E 12F
5481	R 2A 2C 4B 6G 7D 9C 10C 10E 12E 12J 13E 13F 13K 14D 14G	CC 2A 2C CC 10C 10E CC 12E 12J CC 13E 13F CC 14D 14G
5484	R 1B 3A 3C 6A 9B 10A 10D 12C 12G 13H	CC 3A 3C
5487	R 2C 6G 10C 12E	
5490	R 2A 2B 3A 6D 10A 10D 12C 13C	CC 2A 2B 3A
5493	M AFI R 3B 6G	C002/6G
5496	R 2A 2B 3A 6F 10A 10D 12C 12J 13I	CC 2A 2B 3A
5499	R 3B 6G V VAFI	C002/6G
5502	R 2A 2B 3A 6B 10C 12C 13M	CC 2A 2B 3A
5505	R 3B 6G	C003/6G
5508	R 2B 2C 6F 7 9B 11B 12F 13N	CC 2B 2C
5511	R 3A 5B 6G	C002/6G
5514	R 2C 3B 3C 6E 11B 13C	CC 3B 3C
5517	R 3A 6G	C002/6G
5520	M CAR R 2B 2C 3B 6D 7E	CC 2B 2C 3B
5523	R 2A 6G 9B 11B 12G 13I	
5526	M SAM R 2B 2C 3B 5D 6E 10F 14	CC 2B 2C 3B
5529	W Worldwide	C100/I II
5532	W Worldwide	C100/I V
5535	W Worldwide	C100/I IV
5538	W Worldwide	C100/II V
5541	W Worldwide	C100/I IV
5544	W Worldwide	C100/II V
5547	M CEP R 2A 4A 6G 7F 13H 13K	
5550	M CAR R 2B 2C 3B 5D 6C 6E 14G	CC 2B 2C 3B
5553	R 6G 10B 13C	
5556	R 2 3 12F	CC 2 3
5559	M SP R 2A 4A 6G 10E 12G 13J	
5562	R 2C 3B 3C 10C 12D 13D	CC 3B 3C
5565	M SAT R 6G 9B 10A	
5568	R 1B 3A 3C 5B 6D 7F 10B 12 13J	CC 3A 3C
5571	R 6G 11B 13C	
5574	M CEP R 2B 2C 4B 6D 13G	CC 2B 2C
5577	R 1C 5A 6G 7B 10E 13C 13J 13K	CC 13C 13J 13K

Frequency (kHz)	Authorized area of use	Remarks
5580	R 3A 3B 6A 6C 14G V VCAR	CC 3A 3B
5583	R 1E 5A 5C 6G 7B 9 10B 12E 12F 12H 13E 13F	CC 5A 5C CC 12E 12F 12H CC 13E 13F
5586	R 2C 3C 10D	
5589	R 12C V VMID	
5592	R 6G 7C 9D V VNAT	
5595	R 1C 2B 6B 10 12E	
5598	M NAT R 6G	
5601	R 3A 3B 6A V VSAM	CC 3A 3B
5604	R 2A 2C 4B 6G 10 12A 12E 12F 13E 13F 13K 14	CC 2A 2C CC 12E 12F CC 13E 13F
5607	R 2B	
5610	R 6G	
5613	R 2B 12C	
5616	M NAT R 6G	
5619	R 2B 12J	
5622	R 1D 6G	
5625	R 3A 5B 6B 10D	
5628	M NP R 1D 6G	C003/6G
5631	R 6D 10A	
5634	M INO R 6G	C002/6G
5637	R 1D 3C	
5640	R 6G V VEUR	C002/6G
5643	M SP R 3C	
5646	M NCA R 12G	
5649	M NAT SEA	
5652	M AFI CWP	
5655	M EA SEA	CC EA SEA
5658	M AFI MID	CC AFI MID
5661	M CWP EUR	
5664	M NCA	
5667	M MID	
5670	M EA	
5673	V VSEA	
5676	V VNCA	
5680	W Worldwide (R) and (OR)	see note 2)

Frequency (kHz)	Authorized area of use	Remarks
6526	R 2A 2B 3A 4A 6F 12G 14F	CC 2A 2B 3A
6529	R 3B 6G	
6532	M CWP R 2A 2B 3A 4A 12F	CC 2A 2B 3A
6535	M SAT R 2C 5D 6G 9D 10A 10D 12C 12J 14B	
6538	R 3A 3B 9B 11B V VAFI	CC 3A 3B
6541	R 2C 6G 10C 13C 14C	
6544	R 1C 3A 3B 5A 5C 6C 10D	CC 3A 3B CC 5A 5C
6547	R 2A 2C 5D 6G 9B 10B 10E 12E 12J 13F 13K 14A	CC 2A 2C CC 12E 12J
6550	R 1B 3A 3C 5B 6D 11B 13J	CC 3A 3C
6553	R 2A 2C 4B 6G 9 10 12E 12F 13E 13F 13K 14A	CC 2A 2C CC 12E 12F CC 13E 13F
6556	M SEA R 1 3A 3C 10C 13C	CC 3A 3C
6559	M AFI R 2A 3B 6G 11B 13J 14D	
6562	M CWP R 2B 2C 10D 13C	CC 2B 2C
6565	R 2A 4 6G 11B 14E	
6568	R 2B 2C 3B 6D 7C 10C 13C	CC 2B 2C 3B
6571	M EA R 12C	
6574	M AFI R 2A 6G 10B 13I 13M 14D	
6577	M CAR R 2B 2C 3B 4B 6D 13E	CC 2B 2C 3B
6580	R 6G 7E 9C 10A 13C 13J 13K 14 V VEUR	CC 13C 13J 13K
6583	R 2 3 6E	CC 2 3
6586	M CAR R 2C 6G 7 13G 14C	
6589	R 3	
6592	M NCA R 12C	
6595	R 1B 3B 3C 5B 6D	CC 3B 3C
6598	M EUR R 4B 6G 9B 10B 10E 12E 13H	
6601	R 2	
6604	R 1D 6G 7C 10A 13N 14B V VNAT	
6607	R 3A 6A 6B	
6610	R 1D 6G 14F	
6613	R 3A 6A 6B 13G	
6616	R 4A 6G 12G 14E	
6619	R 3A 6B	

(continued)

Frequency (kHz)	Authorized area of use	Remarks
6622	M NAT R 6G 7F 9B 12C 13D	
6625	M MID R 3B	
6628	M NAT R 6G 7E 12C 13D 13M 14	CC 13D 13M
6631	M MID R 3B 6C	
6634	R 6G	
6637	W Worldwide	C100/ I II III
6640	W Worldwide	C100/II V
6643	W Worldwide	C100/ I IV
6646	W Worldwide	C100/II V
6649	M SAM R 3A 6G	
6652	R 6G 7B	
6655	M NP R 2B 6E	
6658	R 3C 6A	
6661	M NP R 2B 6E	
6664	R 3C 5A	
6667	R 1E 2B 6F	
6670	R 3C	
6673	M AFI CEP R 2A 6G 10F 12D 13D 14B	
6676	V VSEA	
6679	V VPAC	
6682	R 6G	
8816	R 4A 6G 12C 13J 14A	
8819	R 2B 2C 9B 10 13C	CC 2B 2C
8822	R 2A 3B 5A 5C 11B 13G 14	CC 5A 5C C005/2A
8825	M NAT R 6G 13H 14F	
8828	R 1D 13N V VPAC	
8831	M NAT R 6G 13F 14F	
8834	R 2B 2C 6C 7C 10 13C	CC 2B 2C
8837	R 3A 3C 4A 9B 10B 13M	CC 3A 3C
8840	R 1C 6	
8843	M CEP R 5D 6G 10E 13C 13J 13K 14D	CC 13C 13J 13K
8846	M CAR R 2 3 7F 9	CC 2 3
8849	R 13K V VSEA	

Frequency (kHz)	Authorized area of use	Remarks
8852	R 3B 3C 9 12E V VAFI	CC 3B 3C
8855	M SAM R 2 10A 14	
8858	R 4A 6G 10D 13E 13F 14D	CC 13E 13F
8861	M SAT R 3A 3B 6E 9B	CC 3A 3B C011/6E
8864	M NAT R 2B 6B 6F 7E 13F	CC 6B 6F
8867	M SP R 6G 10C 13D 13M	CC 13D 13M
8870	R 5 6G 14 V VNAT	C004/6G
8873	R 4 6G 9C 9D 12E 12F 13I	CC 9C 9D CC 12E 12F
8876	R 2A 10A 12D 14G	
8879	M INO NAT R 3B	
8882	R 2C 6D	
8885	R 5 6B 11B 13G 14C	
8888	R 2 6G 7	C009/6G
8891	M NAT R 6A 14E	
8894	M AFI R 3C 12F 14A	
8897	M EA	
8900	R 3A 10D 13G 14B	
8903	M AFI CWP R 10B 13M	
8906	M NAT R 6A 6E 7B 9B 13H	CC 6A 6E
8909	R 2A 6E	
8912	R 5B 6G 11B 13D 14C	C004/6G
8915	R 3C 5A	
8918	M CAR MID R 6C	
8921	W Worldwide	C100/ I III
8924	W Worldwide	C100/ I IV
8927	W Worldwide	C100/II V
8930	W Worldwide	C100/ I III
8933	W Worldwide	C100/II V
8936	W Worldwide	C100/ I II
8939	R 2A 2C 6F 10B 13C	CC 2A 2C
8942	M SEA R 3A	
8945	R 10F 13K 14E V VMID	
8948	R 6A 12C	
8951	M MID	
8954	R 3 10E 12J 14B	

Frequency (kHz)	Authorized area of use	Remarks
8957	R 3B 6D 12C 13D 14G V VEUR	
8960	R 6G 7F	
10006	R 6A 10 13G	
10009	R 2B 2C 7B 9B 13K	CC 2B 2C
10012	R 5 10 13J	
10015	R 2 6C 12D	
10018	M MID R 6G 9 13J 13K	CC 13J 13K C003/6G
10021	R 1 6B 12C 13G	
10024	M SAM R 2B 2C 3B 9B	CC 2B 2C 3B
10027	W Worldwide	C100/ I II
10030	W Worldwide	C100/ I IV
10033	W Worldwide	C100/II V
10036	R 1E 6E 13G 13H	CC 13G 13H
10039	R 3B 3C 4A 9B 12C	CC 3B 3C
10042	M EA R 9C 10F 13C 13J 13K	CC 13C 13J 13K
10045	R 2 3A 11B 13H 14	CC 2 3A
10048	M NP R 2A 5D 13A 13B	CC 13A 13B
10051	R 6A 6E 13I V VNAT	CC 6A 6E
10054	R 2A 2C 6G 12	CC 2A 2C C004/6G
10057	M CEP R 3A V VAFI	
10060	R 1D 6F 13K	
10063	R 4B 6G 12E	C004/6G
10066	M SEA R 1B 10A 13M	
10069	W Worldwide	C100/ I IV
10072	W Worldwide	C100/ I III
10075	W Worldwide	C100/II V
10078	W Worldwide	C100/ I III
10081	M CWP R 4A 6A 7C 13F	C006/6A
10084	M EUR SP R 6E 13D	
10087	R 3 14 V VSAM	
10090	R 12E 12F V VNCA	CC 12E 12F
10093	R 5B 6B 11B 13N	
10096	M NCA SAM R 7D	

(continued)

Frequency (kHz)	Authorized area of use	Remarks
11276	R 2A 2C 6G 10E 13J	CC 2A 2C C002/6G
11279	M NAT R 2B 6F 9C	
11282	M CEP R 4A 6G 13H	C003/6G
11285	R 2A 3B 7	CC 2A 3B
11288	R 5A 6G 11B	
11291	M SAT R 3B 3C	CC 3B 3C
11294	R 2A 6G 7C	C002/6G
11297	R 2 12F	
11300	M AFI R 6G 13H	C002/6G
11303	R 3C 13E	
11306	R 6G 7E 11B	
11309	M NAT R 3A 6D	
11312	R 5 9C 9D	CC 9C 9D
11315	R 6G V VCAR	
11318	R 3 4A 13D	
11321	R 6A 13F	
11324	R 3A 3C 4B 12C	CC 3A 3C
11327	M SP R 3B 5 13C	
11330	M AFI NP R 3A 13F	
11333	R 2B 2C 10	CC 2B 2C
11336	M NAT R 3	
11339	R 2B 6B 9 13K	
11342	W Worldwide	C100/II III
11345	W Worldwide	C100/ I IV
11348	W Worldwide	C100/II V
11351	W Worldwide	C100/ I III
11354	W Worldwide	C100/II V
11357	R 6A 6E 10A	CC 6A 6E
11360	M SAM R 2 3 14	CC 2 3
11363	R 1 6E 10A	
11366	R 1C 6B 6F 13K	CC 6B 6F
11369	R 6G 13G	
11372	R 2C 3B 6D	
11375	M MID R 10A 13C	
11378	R 3C 13M V VEUR	
11381	R 6 12E 12J	CC 12E 12J

Frequency (kHz)	Authorized area of use	Remarks
11384	M CWP R 1D 12J	
11387	M CAR V VSEA	
11390	R 2 10	
11393	R 9B 12E V VMID	
11396	M CAR EA SEA	CC EA SEA
13261	V VAFI	
13264	R 14 V VEUR	
13267	R 3 13H	
13270	R 6G V VNAT	
13273	M AFI	
13276	R 6G V VNAT	
13279	V VNCA VSAM	
13282	V VPAC	
13285	R 10 V VSEA	
13288	M AFI EUR MID	CC AFI EUR MID
13291	M NAT R 6	
13294	M AFI	
13297	M CAR EA SAM	CC CAR SAM
13300	M CEP CWP NP SP R 4	CC CEP CWP NP SP
13303	M EA NCA	CC EA NCA
13306	M INO NAT	
13309	M EA SEA R 13C 13K	CC EA SEA CC 13C 13K
13312	M MID R 11B	
13315	M NCA SAT	
13318	M SEA R 13	
13321	R 2 3	CC 2 3
13324	W Worldwide	C100/ I III
13327	W Worldwide	C100/ I IV
13330	W Worldwide	C100/ II V
13333	W Worldwide	C100/ I III
13336	W Worldwide	C100/ I IV
13339	W Worldwide	C100/ II V
13342	W Worldwide	C100/ I III
13345	W Worldwide	C100/ I IV
13348	W Worldwide	C100/ II V
13351	W Worldwide	C100/ I III

Frequency (kHz)	Authorized area of use	Remarks
13354	R 5 7	CC 5 7
13357	M SAT R 2	
17901	R 12	
17904	M CEP CWP NP SP R 4	CC CEP CWP NP SP
17907	M CAR EA SAM SEA	CC CAR SAM CC EA SEA
17910	R 10	
17913	R 6G 13	
17916	W Worldwide	C100/ I III
17919	W Worldwide	C100/ II IV
17922	W Worldwide	C100/ I III
17925	W Worldwide	C100/ II V
17928	W Worldwide	C100/ III IV
17931	W Worldwide	C100/ I V
17934	W Worldwide	C100/ II III
17937	W Worldwide	C100/ IV V
17940	W Worldwide	C100/ II III
17943	R 6	
17946	M NAT R 14	
17949	R 5	
17952	R 3	
17955	M SAT R 6B	
17958	M NCA	
17961	M AFI EUR INO MID	CC AFI EUR INO MID
17964	R 2 11B	
17967	R 5 13A 13B 13E 13F	CC 13A 13B 13E 13F
21940	W Worldwide	C100/ I
21943	W Worldwide	C100/ V
21946	W Worldwide	C100/ I
21949	W Worldwide	C100/ III
21952	W Worldwide	C100/ I
21955	W Worldwide	C100/ IV
21958	W Worldwide	C100/ I
21961	W Worldwide	C100/ V
21964	W Worldwide	C100/ II
21967	W Worldwide	C100/ I
21970	W Worldwide	C100/ III
21973	W Worldwide	C100/ I
21976	W Worldwide	C100/ IV
21979	W Worldwide	C100/ I
21982	W Worldwide	C100/ V
21985	W Worldwide	C100/ II
21988	W Worldwide	C100/ I
21991	W Worldwide	C100/ IV
21994	W Worldwide	C100/ V
21997	W Worldwide	C100/ I



**NOTES TO THE TABLE**

- 1) These frequencies are carrier (reference) frequencies for SSB in this Table.
- 2) The carrier (reference) frequencies 3023 kHz and 5680 kHz are intended for common use on a worldwide basis.
  - 2.1) The use of these frequencies in any part of the world is authorized:
    - a) aboard aircraft for:
      - i) communications with approach and aerodrome control;
      - ii) communication with an aeronautical station when other frequencies of the station are either unavailable or unknown.
    - b) at aeronautical stations for aerodrome and approach control under the following conditions:
      - i) with mean power limited to a value of not more than 20 watts in the antenna circuit;
      - ii) special attention must be given in each case to the type of antenna used in order to avoid harmful interference;
      - iii) the power of aeronautical stations which use these frequencies in accordance with the above conditions may be increased to the extent necessary to meet certain operational requirements subject to coordination between the administrations directly concerned and those whose services may be adversely affected.
  - 2.2) Notwithstanding these provisions, the frequency 5680 kHz may also be used at aeronautical stations for communication with aircraft stations when other frequencies of the aeronautical stations are either unavailable or unknown. However, this use shall be restricted to such areas and conditions that harmful interference cannot be caused to other authorized operations of stations in the aeronautical mobile service.
  - 2.3) Additional particulars regarding the use of these channels for the above purposes may be recommended by the meetings of ICAO.
  - 2.4) Frequencies 3023 kHz and 5680 kHz may also be used by stations of other mobile services participating in coordinated air-surface search and rescue operations, including communications between these stations and participating land stations. Aeronautical stations are authorized to use these frequencies to establish communications with such stations.
  - 2.5) These channels may be used for A1A or A3E emissions, in accordance with special arrangements. Such channels shall not be subdivided.
  - 2.6) All stations participating directly in coordinated search and rescue operations and using frequencies 3023 kHz and 5680 kHz shall transmit solely on the upper side band except in the cases provided for in Appendix S27, No.S27/57 of the RR.

3) Explanation of symbols and abbreviations

Column of [Authorized area of use]

- M = MWARA
- R = RDARA
- V = VOLMET
- W = worldwide

Column of [Remarks]

- CC = common channel to
- C001/... Restricted to daytime only, in the area indicated after the slant stroke
- C002/6G In area 6G, operation is restricted to west of 95°E
- C003/6G In area 6G, operation is restricted to west of 95°E
- C004/6G Use limited to east of 100°E
- C005/2A Use limited to north of 60°N

- C006/6A Use limited to east of 75°E
  - C007 Not used
  - C008 Not used
  - C009/6G In area 6G, use limited to east of 100°E and south of 25°N
  - C010/6G In area 6G, use limited to east of 118°E and north 25°N
  - C100/... Worldwide Allotment Area is indicated after symbol. For assignment procedure see Appendix S27, No.S27/217 of the RR.
- A Worldwide Allotment Area is one in which frequencies are allotted to provide long-distance communication between an aeronautical station within that allotment area and aircraft operating anywhere in the world.
- World-wide Area I : The boundaries of the allotment area comprise those of RDARA 1,2 and 3.
- World-wide Area II : The boundaries of this allotment area comprise those of RDARA 10, 11, 12A, 12B, 12C and 12D.
- World-wide Area III : The boundaries of the allotment area comprise those of RDARA 6, 8, 9 and 14.
- World-wide Area IV : The boundaries of this allotment area comprise those of RDARA 12E to 12J inclusive and 13.
- World-wide Area V : The boundaries of the allotment area comprise those of RDARA 4, 5 and 7.