

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
Below 9 KHz	Below 9 KHz		
(not allocated)	(not allocated)		
5.53 5.54	5.53 5.54		
9 - 14 KHz	9 - 14 KHz		
RADIONAVIGATION	RADIONAVIGATION		
14 - 19.95 KHz	14 - 19.95 KHz		
FIXED	FIXED		
MARITIME MOBILE 5.57	MARITIME MOBILE 5.57		
5.55 5.56	5.55 5.56		
19.95 - 20.05 KHz	19.95 - 20.05 KHz		
STANDARD FREQUENCY	STANDARD FREQUENCY		
& TIME SIGNAL	& TIME SIGNAL		
20.05 - 70 KHz	20.05 - 70 KHz		
FIXED	FIXED		
MARITIME MOBILE 5.57	MARITIME MOBILE 5.57		
5.56 5.58	5.56 5.58		
70 - 72 KHz	70 - 72 KHz		
RADIONAVIGATION 5.60	RADIONAVIGATION		
Fixed	Fixed		
Maritime Mobile 5.57	Maritime Mobile 5.57		
5.59	5.59		
72 - 84 KHz	72 - 84 KHz		
FIXED	FIXED		
MARITIME MOBILE 5.57	MARITIME MOBILE		
RADIONAVIGATION 5.60	RADIONAVIGATION 5.60		
84 - 86 KHz	84 - 86 KHz		
RADIONAVIGATION 5.60	RADIONAVIGATION 5.60		
Fixed	Fixed		
Maritime Mobile 5.57	Maritime Mobile 5.57		
5.59	5.59		
86 - 90 KHz	86 - 90 KHz		
FIXED	FIXED		
MARITIME MOBILE 5.57	MARITIME MOBILE 5.57		
RADIONAVIGATION 5.60	RADIONAVIGATION 5.60		
90 - 110 KHz	90 - 110 KHz		
RADIONAVIGATION 5.62	RADIONAVIGATION 5.62		
Fixed	Fixed		
5.63 5.64	5.64		
110 - 112 KHz	110 - 112 KHz		
FIXED	FIXED		
MARITIME MOBILE	MARITIME MOBILE		
RADIONAVIGATION 5.60	RADIONAVIGATION 5.60		
5.64	5.64		
112 - 117.6 KHz	112 - 117.6 KHz		
RADIONAVIGATION 5.60	RADIONAVIGATION 5.60		
Fixed	Fixed		
Maritime Mobile	Maritime Mobile		

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5.64 5.65	5.64		
117.6 - 126 KHz	117.6 - 126 KHz		
FIXED	FIXED		
MARITIME MOBILE	MARITIME MOBILE		
RADIONAVIGATION 5.60	RADIONAVIGATION 5.60		
5.64	5.64		
126 - 129 KHz	126 - 129 KHz		
RADIONAVIGATION 5.60	RADIONAVIGATION 5.60		
Fixed	Fixed		
Maritime Mobile	Maritime Mobile		
5.64 5.65	5.64		
129 - 130 KHz	129 - 130 KHz		
FIXED	FIXED		
MARITIME MOBILE	MARITIME MOBILE		
RADIONAVIGATION 5.60	RADIONAVIGATION 5.60		
5.64	5.64		
130 - 160 KHz	130 - 160 KHz		
FIXED	FIXED		
MARITIME MOBILE	MARITIME MOBILE		
RADIONAVIGATION	RADIONAVIGATION		
5.64	5.64		
160 - 190 KHz	160 - 190 KHz		
FIXED	FIXED		
Aeronautical Radionavigation	Aeronautical Radionavigation		
190 - 200 KHz	190 - 200 KHz		
AERONAUTICAL RADIONAV	AERONAUTICAL RADIONAV		
200 - 285 KHz	200 - 285 KHz		
AERONAUTICAL RADIONAV	AERONAUTICAL RADIONAV		
Aeronautical Mobile	Aeronautical Mobile		
285 - 315 KHz	285 - 315 KHz		
MARITIME RADIONAVIGATION	MARITIME RADIONAVIGATION		
(radiobeacons) 5.73	(radiobeacons) 5.73		
AERONAUTICAL RADIONAVIGATION	AERONAUTICAL RADIONAV		
315 - 325 KHz	315 - 325 KHz		
AERONAUTICAL RADIONAVIGATION	AERONAUTICAL RADIONAV		
MARITIME RADIONAVIGATION	MARITIME RADIONAV		
(radiobeacons) 5.73	(radiobeacons) 5.73		
325 - 405 KHz	325 - 405 KHz		
AERONAUTICAL RADIONAVIGATION	AERONAUTICAL RADIONAVIGATION		
Aeronautical Mobile	Aeronautical Mobile		
405 - 415 KHz	405 - 415 KHz		
RADIONAVIGATION 5.76	RADIONAVIGATION 5.76		
Aeronautical Mobile	Aeronautical Mobile		
415 - 495 KHz	415 - 495 KHz		
MARITIME MOBILE 5.79	MARITIME MOBILE 5.79		
Aeronautical Radionavigation 5.80	5.81 5.83		
5.77 5.78 5.81 5.83			

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
495 - 505 KHz	495 - 505 KHz		
MOBILE (distress & calling)	MOBILE (distress & calling)		
5.82	5.82		
505 - 526.5 KHz	505 - 526.5 KHz		
MARITIME MOBILE 5.79 5.84	MARITIME MOBILE 5.79 5.84		
/AERONAUTICAL RADIONAVIGATION/	AERONAUTICAL RADIONAVIGATION		
Aeronautical Mobile	Aeronautical Mobile		
Land Mobile	Land Mobile		
5.81	5.81		
526.5 - 535 KHz	526.5 - 535 KHz		
BROADCASTING	BROADCASTING		
Mobile			
5.88			
535 - 1605.5 KHz	535 - 1605 KHz		
BROADCASTING	BROADCASTING		
1605.5 - 1800 KHz	1605.5 - 1705 KHz		
FIXED	BROADCASTING		
MOBILE	1705.5 - 1800 KHz		
RADIOLOCATION	FIXED	1705.0 - 1760.0 Shared Band	
5.91			
1800 - 2000 KHz	1800 - 2000 KHz		
AMATEUR	AMATEUR		
FIXED	5.97		
MOBILE except aeronautical mobile			
RADIONAVIGATION			
Radiolocation			
5.97			
2000 - 2065 KHz	2000 - 2065 KHz	2000.0 - 2015.0 Government	
FIXED	FIXED	2015.0 - 2055.0 Non-Government	
2065 - 2107 KHz	2065 - 2107 KHz		
MARITIME MOBILE 5.105	MARITIME MOBILE 5.105		
5.106	5.106		
2107 - 2170 KHz	2107 - 2170 KHz	2107.0 - 2120.0 Government	
FIXED	FIXED	2120.0 - 2155.0 Non-Government	
2170 - 2173.5 KHz	2170 - 2173.5 KHz		
MARITIME MOBILE	MARITIME MOBILE		
2173.5 - 2190.5 KHz	2173.5 - 2190.5 KHz		
MOBILE (distress & calling)	MOBILE (distress & calling)		
5.108 5.109 5.110 5.111	5.108 5.109 5.110 5.111		
2190.5 - 2194 KHz	2190.5 - 2194 KHz		
MARITIME MOBILE	MARITIME MOBILE		
2194 - 2300 KHz	2194 - 2300 KHz	2194.0 - 2220.0 Government	
FIXED	FIXED	2220.0 - 2280.0 Non-Government	
2300 - 2495 KHz	2300 - 2495 KHz		
FIXED	FIXED		
MOBILE	MOBILE		
BROADCASTING 5.113	BROADCASTING 5.113		

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
2495 - 2501 KHz	2495 - 2501 KHz		
STANDARD FREQUENCY	STANDARD FREQUENCY		
& TIME SIGNAL (2500 KHz)	& TIME SIGNAL (2500 KHz)		
2501 - 2502 KHz	2501 - 2502 KHz		
STANDARD FREQUENCY	STANDARD FREQUENCY		
& TIME SIGNAL	& TIME SIGNAL		
Space Research	Space Research		
2502 - 2505 KHz	2502 - 2505 KHz		
STANDARD FREQUENCY	STANDARD FREQUENCY		
& TIME SIGNAL	& TIME SIGNAL		
2505 - 2850 KHz	2505 - 2850 KHz	2505.0 - 2555.0 Government	
FIXED	FIXED	2555.0 - 2575.0 Non-Government	
		2625.0 - 2680.0 Government	
		except 2630(+) 5 KHz assigned	
		to RTS	
		2680.0 - 2790.0 Non-Government	
		(+) 5 KHz assigned to RTS	
2850 - 3025 KHz	2850 - 3025 KHz		
AERONAUTICAL MOBILE (R)	AERONAUTICAL MOBILE (R)		
5.111 5.115	5.111 5.115		
3025 - 3155 KHz	3025 - 3155 KHz		
AERONAUTICAL MOBILE (OR)	AERONAUTICAL MOBILE (OR)		
3155 - 3200 KHz	3155 - 3200 KHz		
FIXED	FIXED	3155.0 - 3165.0 Government	
MOBILE except aeronautical mobile (R)	MOBILE except aeronautical mobile (R)	3165.0 - 3180.0 Non-Government	
5.116 5.117	5.116		
3200 - 3230 KHz	3200 - 3230 KHz		
FIXED	FIXED		
MOBILE except aeronautical mobile (R)	MOBILE except aeronautical mobile (R)		
BROADCASTING 5.113	BROADCASTING 5.113		
5.116	5.116		
3230 - 3400 KHz	3230 - 3400 KHz		
FIXED	FIXED		
MOBILE except aeronautical mobile	MOBILE except aeronautical mobile		
BROADCASTING 5.113	BROADCASTING 5.113		
5.116 5.118	5.116		
3400 - 3500 KHz	3400 - 3500 KHz		
AERONAUTICAL MOBILE (R)	AERONAUTICAL MOBILE (R)		
3500 - 3900 KHz	3500 - 3900 KHz		
AMATEUR 5.120	AMATEUR 5.120		
FIXED	FIXED		
MOBILE	MOBILE		
3900 - 3950 KHz	3900 - 3950 KHz		
AERONAUTICAL MOBILE	AERONAUTICAL MOBILE		
BROADCASTING	BROADCASTING		
3950 - 4000	3950 - 4000		

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
FIXED	FIXED		
BROADCASTING	BROADCASTING		
5.126			
4000 - 4063 KHz	4000 - 4063 KHz		
FIXED	FIXED		
MARITIME MOBILE S.127	MARITIME MOBILE S.127		
5.126	5.126		
4063 - 4428 KHz	4063 - 4428 KHz		
MARITIME MOBILE 5.109	MARITIME MOBILE 5.109		
5.110 5.130 5.131 5.132	5.110 5.130 5.131 5.132		
5 128 5 129	5 129		
4428 - 4650 KHz	4428 - 4650 KHz	4428 - 4480 KHz Government	
FIXED	FIXED	4480 - 4580 KHz Non-Government	
4650 - 4700 KHz	4650 - 4700 KHz		
AERONAUTICAL MOBILE (R)	AERONAUTICAL MOBILE (R)		
4700 - 4750 KHz	4700 - 4750 KHz		
AERONAUTICAL MOBILE (OR)	AERONAUTICAL MOBILE (R)		
4750 - 4850 KHz	4750 - 4850 KHz		
FIXED	FIXED		
BROADCASTING 5.113	BROADCASTING 5.113		
Land Mobile	Land Mobile		
4850 - 4995 KHz	4850 - 4995 KHz		
FIXED	FIXED		
LAND MOBILE	LAND MOBILE		
BROADCASTING 5.113	BROADCASTING 5.113		
4995 - 5003 KHz			
STANDARD FREQUENCY	STANDARD FREQUENCY		
& TIME SIGNAL (5000 KHz)	& TIME SIGNAL (5000 KHz)		
5003 - 5005 KHz	5003 - 5005 KHz		
STANDARD FREQUENCY	STANDARD FREQUENCY		
& TIME SIGNAL	& TIME SIGNAL		
Space Research	Space Research		
5005 - 5060 KHz	5005 - 5060 KHz		
FIXED	FIXED		
BROADCASTING 5.113	BROADCASTING 5.113		
5060 - 5250 KHz	5060 - 5250 KHz	5060 - 5070 KHz Government	
FIXED	FIXED	5070 - 5140 KHz Non-Government	
5.113	5.113	5200 - 5250 KHz Shared Band	
5250 - 5450 KHz	5250 - 5450 KHz	5250 - 5280 KHz Government	
FIXED	FIXED	5280 - 5380 KHz Non-Government	
		5430 - 5450 KHz Shared band	
5450 - 5480 KHz	5450 - 5480 KHz	Shared Band	
FIXED	FIXED		
AERONAUTICAL MOBILE (OR)	AERONAUTICAL MOBILE (OR)		
LAND MOBILE	LAND MOBILE		
5480 - 5680 KHz	5480 - 5680 KHz		
AERONAUTICAL MOBILE (R)	AERONAUTICAL MOBILE (R)		

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
5.111 5.115	5.111 5.115		
5680 - 5730 KHz	5680 - 5730 KHz		
AERONAUTICAL MOBILE (OR)	AERONAUTICAL MOBILE (OR)		
5.111 5.115	5.111 5.115		
5730 - 5900 KHz	5730 - 5900 KHz	5730 - 5780 KHz Government	
FIXED	FIXED	5780 - 5890 KHz Non-Government	
5900 - 5950 KHz	5900 - 5950 KHz		
BROADCASTING 5.134 5.135	BROADCASTING 5.134 5.135		
5.136	5.136		
5950 - 6200 KHz	5950 - 6200 KHz		
BROADCASTING	BROADCASTING		
6200 - 6525 KHz	6200 - 6525 KHz		
MARITIME MOBILE 5.109	MARITIME MOBILE 5.109		
5.110 5.130 5.132 5.137	5.110 5.130 5.132 5.137		
6525 - 6685 KHz	6525 - 6685 KHz		
AERONAUTICAL MOBILE (R)	AERONAUTICAL MOBILE (R)		
6685 - 6765 KHz	6685 - 6765 KHz		
AERONAUTICAL MOBILE (OR)	AERONAUTICAL MOBILE (OR)		
6765 - 7000 KHz	6765 - 7000 KHz	6765 - 6810 KHz Government	5.138: The band 6765-6735 KHz is
FIXED	FIXED	6810 - 6920 KHz Non-Government	a designated ISM band
5.138 ADD 5.AC01 5.139		6980 - 7000 KHz Government	
7000 - 7100 KHz	7000 - 7100 KHz		
AMATEUR	AMATEUR 510		
AMATEUR-SATELLITE	AMATEUR-SATELLITE		
5.140 5.141 ADD 5.AC02			
7100 - 7200 KHz	7100 - 7200 KHz		
AMATEUR	AMATEUR		
ADD 5.AC02 ADD 5.AC02bis ADD 5.AC03			
5.142			
7 200-7 300 Khz	7 200-7 300 Khz		
BROADCASTING			
7300 - 7400 KHz	7300 - 7400 KHz		
BROADCASTING 5.134 5.143	BROADCASTING 5.134 5.143		
ADD 5.AC05 ADD 5.AC05bis			
ADD 5.AC05ter ADD 5.AC06			
7400-7450 Khz.			
BROADCASTING ADD 5.AC05			
7450 - 8100 KHz	7450 - 8100 KHz	7350 - 7470 KHz Government	
FIXED	FIXED	7470 - 7480 KHz Non-Government	
MOBILE except aeronautical mobile (R)	Land Mobile	7480 - 8041 KHz Shared band	
8100 - 8195 KHz	8100 - 8195 KHz	Shared Band	
FIXED	FIXED		
MARITIME MOBILE	MARITIME MOBILE		
8195 - 8815 KHz	8195 - 8815 KHz		
MARITIME MOBILE 5.109	MARITIME MOBILE 5.109		
5.110 5.132 5.145	5.110 5.132 5.145		
5.111	5.111		

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
8815 - 8965 KHz	8815 - 8965 KHz		
AERONAUTICAL MOBILE (R)	AERONAUTICAL MOBILE (R)		
8965 - 9040 KHz	8965 - 9040 KHz		
AERONAUTICAL MOBILE (OR)	AERONAUTICAL MOBILE (OR)		
9040 - 9400 KHz	9040 - 9400 KHz		
FIXED	FIXED		
9400 - 9500 KHz	9400 - 9500 KHz		
BROADCASTING 5.134 5.135	BROADCASTING 5.134 5.135		
5.146	5.146		
9500 - 9900 KHz	9500 - 9900 KHz		
BROADCASTING	BROADCASTING		
5.147 5.148	5.147 5.148		
9900 - 9995 KHz	9900 - 9995 KHz	9900 - 9955 Shared Band	
9995 - 10003 KHz	9995 - 10003 KHz		
STANDARD FREQUENCY & TIME SIGNAL (10000 KHz)	STANDARD FREQUENCY & TIME SIGNAL (10000 KHz)		
5.111	5.111		
10003 - 10005 KHz	10003 - 10005 KHz		
STANDARD FREQUENCY & TIME SIGNAL	STANDARD FREQUENCY & TIME SIGNAL		
Space Research	Space Research		
5.111	5.111		
10005 - 10100 KHz	10005 - 10100 KHz		
AERONAUTICAL MOBILE (R)	AERONAUTICAL MOBILE (R)		
5.111	5.111		
10100 - 10150 KHz	10100 - 10150 KHz	Shared Band	
FIXED	FIXED		
Amateur 5.120	Amateur 5.120		
10150 - 11175 KHz	10150 - 11175 KHz	10150 - 10300 KHz Government	
FIXED	FIXED	10300 - 10900 KHz Non-Government	
		11150 - 11175 KHz Shared Band	
11175 - 11275 KHz	11175 - 11275 KHz		
AERONAUTICAL MOBILE (OR)	AERONAUTICAL MOBILE (OR)		
11275 - 11400 KHz	11275 - 11400 KHz		
AERONAUTICAL MOBILE (R)	AERONAUTICAL MOBILE (R)		
11400 - 11600 KHz	11400 - 11600 KHz		
FIXED	FIXED		
11600 - 11650 KHz	11600 - 11650 KHz		
BROADCASTING 5.134 5.135	BROADCASTING 5.134 5.135		
5.146	5.146		
11650 - 12050 KHz	11650 - 12050 KHz		
BROADCASTING	BROADCASTING		
5.147 5.148	5.147 5.148		
12050 - 12100 KHz	12050 - 12100 KHz		
BROADCASTING 5.134 5.135	BROADCASTING 5.134 5.135		
5.146	5.146		
12100 - 12230 KHz	12100 - 12230 KHz	Shared Band	

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
FIXED	FIXED		
12230 - 13200 KHz	12230 - 13200 KHz		
MARITIME MOBILE 5.109	MARITIME MOBILE 5.109		
5.110 5.132 5.145	5.110 5.132 5.145		
13200 - 13260 KHz	13200 - 13260 KHz		
AERONAUTICAL MOBILE (OR)	AERONAUTICAL MOBILE (OR)		
13260 - 13360 KHz	13260 - 13360 KHz		
AERONAUTICAL MOBILE (R)	AERONAUTICAL MOBILE (R)		
13360 - 13410 KHz	13360 - 13410 KHz	Shared Band	
FIXED	FIXED		
RADIO ASTRONOMY	RADIO ASTRONOMY		
5.149	5.149		
13410 - 13570 KHz	13410 - 13570 KHz	Shared Band	5.150: 13553-13567KHz is a designated ISM band
FIXED	FIXED		
MOBILE except aeronautical mobile (R)	MOBILE except aeronautical mobile (R)		
5.15	5.15		
13570 - 13600 KHz	13570 - 13600 KHz		
BROADCASTING 5.134 5.135	BROADCASTING 5.134 5.135		
5.151	5.151		
13600 - 13800 KHz	13600 - 13800 KHz		
BROADCASTING	BROADCASTING		
5.148	5.148		
13800 - 13870 KHz	13800 - 13870 KHz		
BROADCASTING 5.134 5.135	BROADCASTING 5.134 5.135		
5.151	5.151		
13870 - 14000 KHz	13870 - 14000 KHz		
FIXED	FIXED		
Mobile except aeronautical mobile (R)	Mobile except aeronautical mobile (R)		
14000 - 14250 KHz	14000 - 14250 KHz		
AMATEUR 5.120	AMATEUR 5.120		
AMATEUR-SATELLITE	AMATEUR-SATELLITE		
14250 - 14350 KHz	14250 - 14350 KHz		
AMATEUR 5.120	AMATEUR 5.120		
5.152	5.152		
14350 - 14990 KHz	14350 - 14990 KHz	14350 - 14450 Government	
FIXED	FIXED	14450 - 14890 Non-Government	
14990 - 15005 KHz	14990 - 15005 KHz		
STANDARD FREQUENCY & TIME SIGNAL (15000 KHz)	STANDARD FREQUENCY & TIME SIGNAL (15000 KHz)		
5.111	5.111		
15005 - 15010 KHz	15005 - 15010 KHz		
STANDARD FREQUENCY & TIME SIGNAL	STANDARD FREQUENCY & TIME SIGNAL		
Space Research	Space Research		
15010 - 15100 KHz	15010 - 15100 KHz		
AERONAUTICAL MOBILE (OR)	AERONAUTICAL MOBILE (OR)		
15100 - 15600 KHz	15100 - 15600 KHz		

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
BROADCASTING	BROADCASTING		
5.148	5.148		
15600 - 15800 KHz	15600 - 15800 KHz		
BROADCASTING 5.134 5.135	BROADCASTING 5.134 5.135		
5.146	5.146		
15800 - 16360 KHz	15800 - 16360 KHz	Shared Band	
FIXED	FIXED		
5.153	5.153		
16360 - 17410 KHz	16360 - 17410 KHz		
MARITIME MOBILE 5.109	MARITIME MOBILE 5.109		
5.110 5.132 5.145	5.110 5.132 5.145		
17410 - 17480 KHz	17410 - 17480 KHz	Shared Band	
FIXED	FIXED		
17480 - 17550 KHz	17480 - 17550 KHz		
BROADCASTING 5.134 5.135	BROADCASTING 5.134 5.135		
5.146	5.146		
17550 - 17900 KHz	17550 - 17900 KHz		
BROADCASTING	BROADCASTING		
5.148	5.148		
17900 - 17970 KHz	17900 - 17970 KHz		
AERONAUTICAL MOBILE (R)	AERONAUTICAL MOBILE (R)		
17970 - 18030 KHz	17970 - 18030 KHz		
AERONAUTICAL MOBILE (OR)	AERONAUTICAL MOBILE (OR)		
18030 - 18052 KHz	18030 - 18052 KHz	Shared Band	
FIXED	FIXED		
18052 - 18068 KHz	18052 - 18068 KHz	Shared Band	
FIXED	FIXED		
Space Research	Space Research		
18068 - 18168 KHz	18068 - 18168 KHz		
AMATEUR 5.120	AMATEUR 5.120		
AMATEUR-SATELLITE	AMATEUR-SATELLITE		
5.154	5.154		
18168 - 18780 KHz	18168 - 18780 KHz		
FIXED	FIXED		
Mobile except aeronautical mobile			
18780 - 18900 KHz	18780 - 18900 KHz		
MARITIME MOBILE	MARITIME MOBILE		
18900 - 19020 KHz	18900 - 19020 KHz		
BROADCASTING 5.134 5.135	BROADCASTING 5.134 5.135		
5.146	5.146		
19020 - 19680 KHz	19020 - 19680 KHz	Shared Band	
FIXED	FIXED		
19680 - 19800 KHz	19680 - 19800 KHz		
MARITIME MOBILE 5.132	MARITIME MOBILE 5.132		
19800 - 19990 KHz	19800 - 19990 KHz	Shared Band	
FIXED	FIXED		
19990 - 19995 KHz	19990 - 19995 KHz		

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STANDARD FREQUENCY & TIME SIGNAL	STANDARD FREQUENCY & TIME SIGNAL		
Space Research	Space Research		
5.111	5.111		
19995 - 20010 KHz	19995 - 20010 KHz		
STANDARD FREQUENCY & TIME SIGNAL (20000 KHz)	STANDARD FREQUENCY & TIME SIGNAL (20000 KHz)		
5.111	5.111		
20010 - 21000 KHz	20010 - 21000 KHz	20010 - 20300 Government	
FIXED	FIXED	20300 - 20700 Non-Government	
21000 - 21450 KHz	21000 - 21450 KHz		
AMATEUR 5.120	AMATEUR 5.120		
AMATEUR-SATELLITE	AMATEUR-SATELLITE		
21450 - 21850 KHz	21450 - 21850 KHz		
BROADCASTING	BROADCASTING		
5.148	5.148		
21850 - 21870 KHz	21850 - 21870 KHz	Shared Band	
FIXED 5.155A	FIXED		
5.155			
21870 - 21924 KHz	21870 - 21924 KHz		
AERONAUTICAL FIXED	AERONAUTICAL		
21924 - 22000 KHz	21924 - 22000 KHz		
AERONAUTICAL MOBILE (R)	AERONAUTICAL MOBILE (R)		
22000 - 22855 KHz	22000 - 22855 KHz		
MARITIME MOBILE 5.132	MARITIME MOBILE 5.132		
5.156	5.156		
22855 - 23000 KHz	22855 - 23000 KHz	Shared Band	
FIXED	FIXED		
5.156	5.156		
23000 - 23200 KHz	23000 - 23200 KHz	Shared Band	
FIXED	FIXED		
MOBILE except aeronautical mobile (R)	MOBILE except aeronautical mobile (R)		
5.156	5.156		
23200 - 23350 KHz	23200 - 23350 KHz		
AERONAUTICAL FIXED	AERONAUTICAL FIXED		
AERONAUTICAL MOBILE (OR)	AERONAUTICAL MOBILE (OR)		
23350 - 24000 KHz	23350 - 24000 KHz	Shared Band	
FIXED	FIXED		
MOBILE except aeronautical mobile	MOBILE except aeronautical mobile		
5.157	5.157		
24000 - 24890 KHz	24000 - 24890 KHz		
FIXED	FIXED		
LAND MOBILE	LAND MOBILE		
5.158	5.158		
24890 - 24990 KHz	24890 - 24990 KHz		
AMATEUR S5.120	AMATEUR S5.120		
AMATEUR-SATELLITE	AMATEUR-SATELLITE		

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
24990 - 25005 KHz	24990 - 25005 KHz		
STANDARD FREQUENCY	STANDARD FREQUENCY		
& TIME SIGNAL (25000 KHz)	& TIME SIGNAL (25000 KHz)		
25005 - 25010 KHz	25005 - 25010 KHz		
STANDARD FREQUENCY	STANDARD FREQUENCY		
& TIME SIGNAL	& TIME SIGNAL		
Space Research	Space Research		
25010 - 25070 KHz	25010 - 25070 KHz	25010 - 25025 Government	
FIXED	FIXED	25025 - 25055 Non-Government	
25070 - 25210 KHz	25070 - 25210 KHz		
MARITIME MOBILE	MARITIME MOBILE		
25210 - 25550 KHz	25210 - 25550 KHz	Shared Band	
FIXED	FIXED		
MOBILE except aeronautical mobile	MOBILE except aeronautical mobile		
25550 - 25670 KHz	25550 - 25670 KHz		
RADIO ASTRONOMY	RADIO ASTRONOMY		
5.159	5.159		
25670 - 26100 KHz	25670 - 26100 KHz		
BROADCASTING	BROADCASTING		
26100 - 26175 KHz	26100 - 26175 KHz		
MARITIME MOBILE 5.132	MARITIME MOBILE 5.132		
26175 - 27500 KHz	26175 - 27500 KHz	26175 - 26960 Shared Band	5.150: The band 26957-27283KHz is a designated ISM band
FIXED	FIXED	26960 - 27500 Citizen Band	
MOBILE except aeronautical mobile	MOBILE except aeronautical mobile		
5.15	5.15		
27500 - 28000 KHz	27500 - 28000 KHz	27500 - 27640 Meteorological Aids	
METEOROLOGICAL AIDS	METEOROLOGICAL AIDS	27640 - 27800 Non-Government	
MOBILE	MOBILE		
28000 - 29700 KHz	28000 - 29700 KHz		
AMATEUR	AMATEUR		
AMATEUR-SATELLITE	AMATEUR-SATELLITE		
29.7 - 30.005 MHz	29.7 - 30.005 MHz	29.70 - 29.77 MHz Government	
FIXED	FIXED	29.77 - 29.95 MHz Non-Government	
30.005 - 30.01 MHz	30.005 - 30.01 MHz		
SPACE OPERATION (satellite identification)	SPACE OPERATION (satellite identification)		
FIXED	FIXED		
MOBILE	MOBILE		
SPACE RESEARCH	SPACE RESEARCH		
30.01 - 37.5 MHz	30.01 - 37.5 MHz	30.025 - 32.000 MHz 80 chs	25.0 KHz channel spacing
FIXED	FIXED	Non-Government simplex	2.0 MHz duplex separation
MOBILE	MOBILE	32.025 - 33.000 MHz 40 chs	
		Non-Government semi-duplex	33.025 - 34.000 MHz (TX)
		33.025 - 34.000 MHz 40 chs	35.025 - 36.000 MHz (RX)
		Non-government semi-duplex	
		34.025 - 35.000 MHz 40 chs	
		Non-Government semi-duplex	
		36.025 - 37.000 MHz 60 chs	

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
		Shared Band simplex	
37.5 - 38.25 MHz	37.5 - 38.25 MHz	37.525 - 38.250 MHz 30 chs	25.0 KHz channel spacing
MOBILE	MOBILE		
Radio Astronomy			
5.149			
38.25 - 39.986 MHz	38.25 - 39.986 MHz	38.275 - 39.975 MHz 68 chs	25.0 KHz channel spacing
FIXED	FIXED	Shared Band simplex	
MOBILE	MOBILE		
39.986 - 40.02 MHz	39.986 - 40.02 MHz	40.000 - 40.980 MHz 20 chs	25.0 KHz channel spacing
FIXED	FIXED	Shared Band simplex	
MOBILE	MOBILE		
Space Research			
40.02 - 40.98 MHz	40.02 - 40.98 MHz	40.02 - 40.98 MHz	5.150: The band 40.66-40.67MHz is a designated ISM band
FIXED	FIXED	FIXED	
MOBILE 5.150	MOBILE 5.150	MOBILE	
40.98 - 41.015 MHz	40.98 - 41.015 MHz	40.980 - 41.015 MHz 30 chs	
FIXED	FIXED	simplex	
MOBILE	MOBILE		
Space Research 5.160 5.161			
41.015 - 44 MHz	41.015 - 44 MHz	41.025 - 42.050 MHz 42 chs	
FIXED	FIXED	Shared Band simplex	
MOBILE	MOBILE	42.075 - 43.000 MHz 38 chs	
		Non-Government simplex	
		43.275 - 44.000 MHz 30 chs	
		Shared Band simplex	
44 - 47 MHz	44 - 47 MHz	44.025 - 47.000 MHz 120 chs	25.0 KHz channel spacing
FIXED	FIXED	Shared Band simplex	
MOBILE	MOBILE		
5.162			
47 - 50 MHz	47 - 50 MHz	47.025 - 50.000 MHz 120 chs	25.0 KHz channel spacing
FIXED	FIXED	Shared Band simplex	
MOBILE	MOBILE		
BROADCASTING			
50 - 54 MHz	50 - 54 MHz		
AMATEUR	AMATEUR		
5.166 5.167 5.168 5.170			
54 - 68 MHz	54 - 68 MHz	54.000 - 60.000 MHz ... TV CH 2	6.0 MHz TV channel bandwidth
FIXED	BROADCASTING	60.000 - 66.000 MHz ... CH 3	
MOBILE		66.000 - 72.000 MHz ... CH 4	
BROADCASTING			
68 - 74.8 MHz	68 - 74.8 MHz	72.025 - 74.800 MHz 112 chs	25.0 KHz channel spacing
FIXED	FIXED	Shared Band simplex	
MOBILE	MOBILE		
5.149 5.176 5.179			
74.8 - 75.2 MHz	74.8 - 75.2 MHz		
AERONAUTICAL RADIONAVIGATION	AERONAUTICAL RADIONAV		

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
5.180 5.181	5.18		
75.2 - 75.4 MHz	75.2 - 75.4 MHz	75.225 - 75.400 MHz 8 chs	25.0 KHz channel spacing
FIXED	FIXED	Shared Band simplex	
MOBILE	MOBILE 5.180	75.225 - 75.425 MHz	
5.179		Low Power System (50 mW/F3)	
75.4 - 87 MHz	75.4 - 87 MHz	75.450 - 75.950 MHz 22 chs	25.0 KHz channel spacing
FIXED	BROADCASTING	Shared Band simplex	6.0 MHz TV channel bandwidth
MOBILE	Mobile	76.000 - 82.000 MHz ... TV CH 5	
5.149 5.182 5.183 5.186	Fixed		
5.188	5.183 5.186		
87 - 100 MHz	87 - 100 MHz	87.5-88 MHz	200.0 KHz channel spacing
FIXED	BROADCASTING	FM BC Extension	
MOBILE		88.00-108 MHz 100chs	M.C. 10-11-2001
BROADCASTING		FM Broadcasting	Extension of FM Broadcasting Band
100 - 108 MHz	100 - 108 MHz		
BROADCASTING	BROADCASTING		
5.192 5.194	5.192		
108 - 117.975 MHz	108 - 117.975 MHz		
AERONAUTICAL RADIONAVIGATION	AERONAUTICAL RADIONAV		
5.197 ADD 5.BA03			
117.975 - 136 MHz	117.975 - 136 MHz		
AERONAUTICAL MOBILE (R)	AERONAUTICAL MOBILE (R)		
5.111 5.198 5.199 5.200 5.201	5.111 5.198 5.199 5.200		
136 - 137 MHz	136 - 137 MHz		
AERONAUTICAL MOBILE (R)	AERONAUTICAL MOBILE (R)		
Fixed			
Mobile except aeronautical mobile (R)			
5.198 5.202 5.203			
137 - 137.025 MHz	137 - 138 MHz	137.025 - 138.000 MHz 40 chs	MC 11-08-98: GMPCS
SPACE OPERATION (space-to-earth)	FIXED	Shared Band simplex	137-138MHz paired with 148-149.9MHz
METEOROLOGICAL-SAT+A583 (space-to-earth)	MOBILE except		
SPACE RESEARCH (space-to-earth)	aeronautical mobile (R)		
MOBILE-SATELLITE (space-to-earth)	MOBILE SAT (Space-to-earth)		
Mobile except aeronautical mobile (R) S5.204			
Fixed			
5.209 5.208A	5.209		
5.205 5.206 5.207 5.208			
137.025 - 137.175 MHz			
SPACE OPERATION (space-to-Earth)			
METEOROLOGICAL-SAT (space-to-Earth)			
SPACE RESEARCH (space-to-Earth)			
Fixed			
Mobile-Satellite (space-to-Earth)			
Mobile except aeronautical mobile (R)			
5.209 5.208A			
5.205 5.206 5.207 5.208			

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
137.175 - 137.825 MHz	137 - 138 MHz	137.025 - 138.000 MHz 40 chs	25.0 KHz channel spacing
SPACE OPERATION (space-to-earth)	FIXED	Shared Band simplex	Hospital Frequencies
METEOROLOGICAL-SAT (space-to-earth)	MOBILE except aeronautical mobile (R)		137.365 MHz - calling
SPACE RESEARCH (space-to-earth)			
Fixed			
Mobile-Satellite (space-to-Earth)			
5.209 5.208A			
Mobile except aeronautical mobile(R)			
5.204 5.205 5.206 5.207			
5.208			
137.825 - 138 MHz			
SPACE OPERATION (space-to-earth)			
METEOROLOGICAL-SAT (space-to-earth)	5.204 5.208		
SPACE RESEARCH (space-to-earth)			
Fixed			
Mobile-Satellite (space-to-Earth)			
5.209 5.208A			
Mobile except aeronautical mobile(R)			
5.204 5.205 5.206 5.207 5.208			
138 - 143.6 MHz	138 - 143.6 MHz	138.025 - 140.00 MHz 80 chs	25.0 KHz channel spacing
FIXED	FIXED	Government simplex	
MOBILE	MOBILE	140.025 - 142.00 MHz 80 chs	
		Non-Government simplex	
143.6 - 143.65 MHz	143.6 - 143.65 MHz	143.625 - 143.650 MHz 2 chs	25.0 KHz channel spacing
FIXED	FIXED	Shared Band simplex	
MOBILE	MOBILE		
SPACE RESEARCH (space-to-earth)			
5.207 5.213			
143.65 - 144 MHz	143.65 - 144 MHz	143.675 - 144.000 MHz 14 chs	25.0 KHz channel spacing
FIXED	FIXED	Shared Band simplex	
MOBILE	MOBILE		
Space Research (space-to-Earth)			
5.207 5.213			
144 - 146 MHz	144 - 146 MHz	144 - 146 MHz	
AMATEUR 5.120	AMATEUR 5.120	AMATEUR S5.120	
AMATEUR-SATELLITE	AMATEUR-SATELLITE	AMATEUR-SATELLITE	
5.216			
146 - 148 MHz	146 - 148 MHz	146.025 - 146.250 MHz 10 chs	25.0 KHz channel spacing
AMATEUR	FIXED	Government semi-duplex	2.5 MHz duplex separation
FIXED	MOBILE	146.275 - 147.000 MHz 30 chs	146.025 - 146.250 MHz (TX)
MOBILE		Non-Government semi-duplex	148.525 - 148.750 MHz (RX)
5.217		147.025 - 147.500 MHz 20 chs	
		Government simplex	146.275 - 147.000 MHz (TX)
		147.525 - 147.750 MHz 10 chs	148.775 - 149.500 MHz (RX)
		Non-Government simplex	
		147.775 - 148.000 MHz 10 chs	
		Shared Band simplex	

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
148 - 149.9 MHz	148 - 149.9 MHz	148.025 - 148.250 MHz 10 chs	25.0 KHz channel spacing
FIXED	FIXED	Government semi-duplex	2.5 MHz duplex separation
MOBILE except aeronautical mobile(R)	MOBILE	148.275 - 148.500 MHz 10 chs	148.025 - 148.250 MHz (TX)
MOBILE-SAT (Earth-to-space) 5.209	MOBILE SAT (Space-to-earth) 5.09	Shared Band simplex	150.525 - 150.750 MHz (RX)
5.218 5.219 5.221	5.218 5.219 5.221	148.525 - 148.750 MHz 10 chs	MC 11-08-98: GMPCS
		Government semi-duplex	148-149.9MHz
			137-138MHz
		148.775 - 149.500 MHz 30 chs	Except (RTS)
		Non-Government semi-duplex	149.175+/- 30 KHz
		149.525 - 149.900 MHz 16 chs	149.250+/- 30 KHz
		Shared Band simplex	
149.9 - 150.05 MHz	149.9 - 150.05 MHz		
RADIONAVIGATION-SATELLITE	RADIONAVIGATION-SATELLITE		
5.220 5.222 5.223	5.220 5.222 5.223		
LAND MOBILE-SAT (earth-to-space)	LAND MOBILE-SAT (earth-to-space)		
5.209 5.224			
150.05 - 156.7625 MHz	150.05 - 156 MHz	150.075 - 150.300 MHz 10 chs	25.0 KHz channel spacing
FIXED	MOBILE	Non-Government simplex	2.5 MHz duplex separation
MOBILE	FIXED	150.325 - 150.500 MHz 8 chs	
5.225 5.226 5.227		Shared Band simplex	
		150.525 - 150.750 MHz 10 chs	148.025 - 148.250 MHz (TX)
		Government semi-duplex	150.252 - 150.750 MHz (RX)
		150.775 - 151.250 MHz 20 chs	
		Non-Government simplex	
		151.275 - 151.750 MHz 20 chs	
		Government simplex	
		151.775 - 152.500 MHz 30 chs	
		Non-Government simplex	
	156 - 156.7625 MHz	152.525 - 153.800 MHz 52 chs	25.0 KHz channel spacing
	MARITIME MOBILE	Police Band	2.5 MHz duplex separation
	5.226 5.227	153.825 - 155.000 MHz 48 chs	
		Non-Government simplex	
		155.525 - 155.750 MHz 10 chs	
		Shared Band simplex	
		155.775 - 155.975 MHz 9 chs	
		Government simplex	
		156.000 - 156.7625 MHz	
		Maritime Mobile Band	
156.7625 - 156.8375 MHz	156.7625 - 156.8375 MHz	Distress & Calling Freq.	
MARITIME MOBILE (distress & calling)	MARITIME MOBILE	156.800 MHz	
5.111 5.226	5.111 5.226		
156.8375 - 174 MHz	156.8375 - 157.450 MHz	156.8375 - 157.450 MHz	25.0 KHz channel spacing
FIXED	MARITIME MOBILE	MARTIME MOBILE	2.5 MHz duplex separation
MOBILE	5.226		
5.226 5.230 5.231 5.232	157.475 - 160.60 MHz	157.475 - 157.700 MHz 10 chs	
	MOBILE	Shared band semi-duplex	

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
		157.725 - 158.075 MHz 15 chs	
		Non Government semi-duplex	157.475 - 157.700 MHz (TX)
		158.100 - 158.750 MHz 27 chs	159.975 - 160.200 MHz (RX)
		Non Government simplex	
		158.775 - 159.950 MHz 48 chs	157.725 - 158.075 MHz (TX)
		Shared band simplex	160.225 - 160.575 MHz (RX)
		159.975 - 160.200 MHz 10 chs	
		Shared band semi-duplex	
		160.225 - 160.575 MHz 15 chs	
		Non-Government semi-duplex	
	160.60 - 160.975 MHz	160.600 - 160.975 MHz	
	MARITIME MOBILE 5.226	MARITIME MOBILE	
	160.975 - 161.475 MHz	161.000 - 161.450 MHz 19 chs	
	MOBILE	Non-Government simplex	
	FIXED		
	161.475 - 162.050 MHz	161.475 - 162.050 MHz	
	MARITIME MOBILE 5.226	MARITIME MOBILE	
	162.050 - 162.615 MHz	162.075 - 162.200 MHz 6 chs	25.0 KHz channel spacing
	MOBILE	Shared Band simplex	2.5 MHz duplex separation
	FIXED		
156.8375 - 174 MHz	162.615 - 174 MHz	162.325 - 162.615 MHz	162.900 - 163.125 MHz (TX)
FIXED	MOBILE	BC Remote Pick-up	
MOBILE	FIXED	162.625 - 162.875 MHz 11 chs	165.400 - 165.625 MHz (RX)
5.226 5.230 5.231 5.232		Non-Government simplex	
		162.900 - 163.125 MHz 10 chs	
		Government semi-duplex	
		163.150 - 163.875 MHz 30 chs	
		Non-Government semi-duplex	
		163.900 - 164.350 MHz 19 chs	164.375 - 165.100 MHz (TX)
		Non-Government simplex	166.875 - 167.600 MHz (RX)
		164.375 - 165.100 MHz 30 chs	
		Non-Government semi-duplex	
		165.125 - 165.375 MHz 11 chs	
		Shared Band simplex	
		165.400 - 165.625 MHz 10 chs	
		Government semi-duplex	
		165.650 - 166.375 MHz 30 chs	
		Non-Government semi-duplex	
		166.400 - 166.850 MHz 20 chs	
		Shared Band simplex	
		166.875 - 167.600 MHz 30 chs	
		Non-Government semi-duplex	
		167.625 - 167.850 MHz 10 chs	
		Government semi-duplex	
		167.875 - 168.150 MHz 12 chs	
		Government simplex	

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
		168.175 - 168.400 MHz 10 chs	
		Non-Government simplex	
		168.425 - 169.025 MHz 25 chs	
		Government semi-duplex	
		169.050 - 170.100 MHz 43 chs	
		Shared Band simplex	
		170.125 - 170.350 MHz 10 chs	
		Government semi-duplex	
		170.375 - 170.900 MHz 22 chs	
		Shared Band simplex	
		170.925 - 171.525 MHz 25 chs	
		Government semi-duplex	
		171.550 - 171.875 MHz 14 chs	
		Shared Band simplex	
		171.900 - 172.400 MHz 21 chs	
		Police Band	
		172.425 - 172.900 MHz 20 chs	
		Non-Government simplex	
		172.925 - 174.000 MHz 44 chs	
174 - 223 MHz	174 - 216 MHz	174.0 - 180.0 MHz ... TV CH 7	6.0 MHz TV channel bandwidth
FIXED	BROADCASTING	180.0 - 186.0 MHz ... CH 8	
MOBILE		186.0 - 192.0 MHz ... CH 9	
BROADCASTING		192.0 - 198.0 MHz ... CH 10	
5.233 5.238 5.240 5.245		198.0 - 204.0 MHz ... CH 11	
		204.0 - 210.0 MHz ... CH 12	
		210.0 - 216.0 MHz ... CH 13	
	216 - 223 MHz	216.000 - 216.500 MHz 20 chs	
	MOBILE	Shared Band simplex	25.0 KHz channel spacing
	FIXED	216.525 - 217.000 MHz 20 chs	3.0 MHz duplex separation
		Civic Action Group simplex	
		217.025 - 218.000 MHz 40 chs	
		Government simplex	MC 12-10-97: Telephone Line Extenders
		218.025 - 218.475 MHz 20 chs	
		Non-Government simplex	218.250-218.475 (Rx)
		218.250 - 218.475 MHz	326.250-326.475 (Tx)
		Telephone Line Extenders	
		218.500 - 219.000 MHz 20 chs	
		Non-Government simplex	
		219.025 - 220.000 MHz 40 chs	
		Shared Band simplex	
		220.025 - 220.500 MHz 20 chs	220.025 - 220.500 MHz (TX)
		Shared Band semi-duplex	223.025 - 223.500 MHz (RX)
		220.525 - 221.000 MHz 20 chs	
		Civic Action Group semi-duplex	220.525 - 221.000 MHz (TX)
		221.025 - 222.000 MHz 40 chs	223.525 - 224.000 MHz (RX)
		Shared band semi-duplex	
		222.025 - 223.000 MHz 40 chs	221.025- 222.000 MHz (TX)

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
		Government semi-duplex	224.025 - 225.000 MHz (RX)
223 - 230 MHz	223 - 230 MHz	223.025 - 223.500 MHz 20 chs	25 KHz spacing
FIXED	MOBILE	Shared Band semi-duplex	3.0 MHz duplex separation
MOBILE	FIXED	223.525 - 224.000 MHz 20 chs	
BROADCASTING		Civic Action Group semi-duplex	222.025 - 223.000 MHz (TX)
AERONAUTICAL RADIONAVIGATION		224.025 - 225.000 MHz 40 chs	225.025 - 226.000 MHz (RX)
Radiolocation		Shared Band semi-duplex	
5.25		225.025 - 226.000 MHz 40 chs	229.025 - 229.975 MHz (TX)
		Government semi-duplex	232.025 - 232.975 MHz (RX)
		226.000 - 229.000 MHz 40 chs	
		Shared Band simplex	
		229.025 - 229.975 MHz 40 chs	
230 - 235 MHz	230 - 235 MHz	Shared Band semi-duplex	
FIXED	MOBILE	230.000 - 231.000 MHz 40 chs	25 KHz channel spacing
MOBILE	FIXED	Government simplex	3.0 MHz duplex separation
AERONAUTICAL RADIONAVIGATION		231.025 - 232.000 MHz 40 chs	
5.25		Non-Government simplex	229.025 - 229.975 MHz (TX)
		232.025 - 232.975 MHz 40 chs	232.025 - 232.975 MHz (RX)
		Shared Band semi-duplex	
		233.000 - 240.175 MHz 288 chs	233.000 - 240.175 MHz (RX)
		PRNS semi-duplex	241.000 - 249.000 MHz (TX)
		240.200 - 240.975 MHz 32 chs	
		Shared Band simplex	
235 - 267 MHz	235 - 267 MHz	241.000 - 262.000 MHz 840 chs	25.0 KHz channel spacing
FIXED	MOBILE	PRNS semi-duplex	3.0 MHz duplex separation
MOBILE	FIXED	262.025 - 264.000 MHz 80 chs	
5.111 5.199 5.252 5.254 5.256		Shared Band semi-duplex	249.000 - 258.000 MHz (RX)
ADD 5.BE03		264.025 - 265.000 MHz 40 chs	258.000 - 262.000 MHz (TX)
		Shared Band simplex	267.000 - 272.000 MHz (TX)
		265.025 - 266.975 MHz 80 chs	
		Shared Band semi-duplex	
267 - 272 MHz	267 - 272 MHz	267.000 - 272.000 MHz 200 chs	25.0 KHz channel spacing
FIXED	MOBILE	PRNS semi-duplex	
MOBILE	FIXED		249.000 - 258.000 MHz (RX)
Space Operation (space-to-earth)	5.254 5.257		258.000 - 262.000 MHz (TX)
5.254 5.257			267.000 - 272.000 MHz (TX)
272 - 273 MHz	272 - 273 MHz	272.025 - 273.000 MHz 40 chs	
SPACE OPERATION	MOBILE	Shared Band	
FIXED	FIXED		
MOBILE	5.254		
5.254			
273 - 312 MHz	273 - 322 MHz	273.025 - 278.975 MHz 239 chs	282.000 - 299.000 MHz (TX/RX)
FIXED	FIXED	Shared Band simplex	
MOBILE	MOBILE	279.000 - 281.000 MHz 80 chs	
5.254		Paging	
		281.025 - 281.975 MHz 760 chs	
		Shared Band simplex	

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
		282.000 - 299.000 MHz 680 chs	
		PRNS semi-duplex	
312 - 315 MHz		300.000 - 315.000 MHz 120 chs	
FIXED		BC - STL	
MOBILE		315.025 - 316.000 MHz 40 chs	315.025 - 316.000 MHz (TX)
Mobile-Satellite (Earth-to-space)		BC - RPU semi-duplex	318.025 - 319.000 MHz (RX)
5.254 5.255		316.025 - 318.00 MHz 80 chs	
		BC - RPU simplex	
315 - 322 MHz		318.025 - 319.000 MHz 40 chs	
FIXED		BC - RPU semi-duplex	MC 7-6-98: SRRS
MOBILE		319.025 - 322.000 MHz 120 chs	319.025 - 322.000 MHz (TX)
5.254		BC - RPU semi-duplex	322.025 - 325.000 MHz (RX)
322 - 328.6 MHz	322 - 328.6 MHz	322.025 - 325.000 MHz 120 chs	325.0-325.485MHz
FIXED	MOBILE	BC - RPU semi-duplex	SRRS ch spacing 12.5 KHz
MOBILE	FIXED	325.025-328.600 MHz 144 chs.	
RADIO ASTRONOMY	Broadcasting	Shared Band	MC 12-10-97: Telephone Line Extenders
		326.250 - 326.775 Mhz	
		Shared Band	326.250-326.475 (Tx)
		326.475 MHz - 326.775 MHz	218.250-218.475 (Rx)
328.6 - 335.4 MHz	328.6 - 335.4 MHz		
AERONAUTICAL RADIONAVIGATION	AERONAUTICAL RADIONAVIGATION		
5.258 5.259			
335.4 - 387 MHz	335.4 - 400 MHz	335.425 - 355.500 MHz	
FIXED	FIXED	Shared Band	
MOBILE	MOBILE	355.525 - 359.975 MHz	
5.254		Shared Band	
387 - 390 MHz		360.000 - 370.000 MHz	360.000 - 365.000 MHz (TX)
FIXED		370.000 - 380.000 MHz	370.000 - 375.000 MHz (RX)
MOBILE		Public Trunk Radio	365.000 - 370.000 MHz (TX)
Mobile-Satellite (space-to-Earth)			375.000 - 380.000 MHz (RX)
5.254 5.255 5.208A			MC 8-10-97: Public Trunk Radio Service
390 - 399.9 MHz		380.000 - 389.900 MHz	380.025 - 385.000 MHz (TX)
FIXED		390.000 - 399.900 MHz	390.025 - 395.000 MHz (RX)
MOBILE		WLL-LEC	385.025 - 389.900 MHz (TX)
5.254			395.025 - 399.900 MHz (RX)
			MC 8-10-97: WLL
400.05 - 400.15 MHz	400.05 - 400.15 MHz		
STANDARD FREQUENCY	STANDARD FREQUENCY		
& TIME SIGNAL-SATELLITE (400.1 Mhz.)	& TIME SIGNAL-SATELLITE (400.1 Mhz.)		
5.261 5.262	5.261 5.262		
400.15 - 401 MHz	400.15 - 401 MHz		
METEOROLOGICAL AIDS	METEOROLOGICAL AIDS		
METEOROLOGICAL-SAT (space-to-earth)	METEOROLOGICAL-SAT (space-to-earth)		
MOBILE-SAT (space-to-earth) 5.209 5.208A	MOBILE-SATELLITE (space-to-earth)		
SPACE RESEARCH (space-to-earth) 5.263	SPACE RESEARCH (space-to-earth)		
Space Operation (space-to-earth)	Space Operation (space-to-earth)		
5.262 5.264			

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
401 - 402 MHz	401 - 402 MHz		
METEOROLOGICAL AIDS	METEOROLOGICAL AIDS		
SPACE OPERATION (space-to-earth)	SPACE OPERATION (space-to-earth)		
Earth Exploration-Satellite (space-to-earth)	Earth Exploration-Satellite (space-to-earth)		
Meteorological-Satellite (earth-to-space)	Meteorological-Satellite (earth-to-space)		
Fixed	Fixed		
Mobile except aeronautical mobile	Mobile except aeronautical mobile		
402 - 403 MHz	402 - 403 MHz		
METEOROLOGICAL AIDS	METEOROLOGICAL AIDS		
Earth Exploration-Satellite (earth-to-space)	Earth Exploration-Satellite (earth-to-space)		
Meteorological-Satellite (earth-to-space)	Meteorological-Satellite (earth-to-space)		
Fixed	Fixed		
Mobile except aeronautical mobile	Mobile except aeronautical mobile		
403 - 406 MHz	403 - 406 MHz		
METEOROLOGICAL AIDS	METEOROLOGICAL AIDS		
Fixed	Fixed		
Mobile except aeronautical mobile	Mobile except aeronautical mobile		
406 - 406.1 MHz	406 - 406.1 MHz		
MOBILE-SATELLITE (earth-to-space)	MOBILE-SATELLITE (earth-to-space)		
5.266 5.267	5.266 5.267		
406.1 - 410 MHz	406.1 - 410 MHz	406.125 - 406.475 MHz 15 chs	25 KHz channel spacing
FIXED	FIXED	Government semi-duplex	5.0 MHz duplex separation
MOBILE except aeronautical mobile	MOBILE except aeronautical mobile	406.500 - 406.975 MHz 20 chs	
		Shared Band	
		408.125 - 409.000 MHz 36 chs	
		Police Band	
		409.025 - 410.000 MHz 40 chs	
		Government	
410 - 420 MHz	410 - 420 MHz	410 - 420 MHz	MC 14-10-2002: PRNS
FIXED	MOBILE except aeronautical mobile		
MOBILE except aeronautical mobile	FIXED		
Space Research (space-to-space)		410.0125 - 419.9875 Mhz (RX)	
5.269		420.0125 - 429.9875 Mhz (TX)	
		25 KHz Channel spacing	
		10 MHz duplex separation	
420 - 430 MHz	420 - 430 MHz		
MOBILE except aeronautical mobile	MOBILE except aeronautical mobile		
FIXED	FIXED		
Radiolocation			
5.268 5.270 5.271			
430 - 432 Mhz	430 -440 Mhz		
RADIOLOCATION	Amateur		
Amateur			
5.271 5.276 5.277 5.278 5.279			
432-438	Amateur		
RADIOLOCATION	5.282 5.276		
Amateur			

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
Earth exploration-satellite (active) ADD 5.5E03 5.271 5.276 5.277 5.278 5.279 5.281 5.282			
438-440			
RADIOLOCATION			
Amateur			
5.271 5.276 5.277 5.278 5.279	5.276 5.282		
440.000 - 450.000 MHz	440.000 - 450.000 MHz	440.000 - 440.475 MHz 30 chs	2.5 KHz channel spacing
MOBILE except aeronautical mobile	MOBILE except radiolocation mobile	Shared Band semi-duplex	5.0 MHz duplex separation
FIXED 5.270	FIXED	440.500 - 441.000 MHz 20 chs	440.000 - 440.475 MHz (TX)
Radiolocation 5.286		Shared Band simplex	445.000 - 445.475 MHz (RX)
		441.025 - 441.925 MHz 33 chs	
		Shared Band semi-duplex	441.025 - 441.975 MHz (TX)
		442.000 - 442.725 MHz 30 chs	446.025 - 446.975 MHz (RX)
		Non-Government semi-duplex	
		442.750 - 442.975 MHz 10 chs	442.000 - 442.975 MHz (TX)
		BC-Remote Pick-up semi-duplex	447.000 - 447.975 MHz (RX)
		443.000 - 444.975 Mhz 80 chs	
		Shared Band simplex	
		445.000 - 445.475 MHz 20 chs	Paging (In-House)
		Shared Band semi-duplex	25 KHz BW
		445.500 - 446.000 Mhz 30 chs	445.700 MHz
		Paging System	445.900 MHz
		446.025 - 446.975 Mhz 39 chs	445.925 MHz
		Shared Band semi-duplex	446.000 MHz
		447.000 - 447.725 Mhz 30 chs	Paging (In-House)
		Non-Government semi-duplex	12.5 KHz BW
		447.750 - 447.975 MHz 10 chs	445.84375 MHz
		BC-Remote Pick-up semi-duplex	445.85625 MHz
		448.000 - 449.975 MHz 80 chs	445.86875 MHz
		Shared Band simplex	445.88125 MHz
450.000 - 460.000 MHz	450.000 - 460.000 MHz	450-470 MHz	MC 06-08-2005
MOBILE	MOBILE		Broadband Wireless Access (BWA)
FIXED	FIXED		
5.209 5.271 5.286A 5.286B 5.286C			
5.286D 5.286E	5.288		
460.000 - 470.000 MHz	460.000 - 470.000 Mhz		
MOBILE 5.287	MOBILE		
FIXED 5.288	FIXED		
Meteorological Satellite (space-to-earth) 5.289	5.288		
470.000 - 585.000 MHz	470.000 - 512.000 MHz	470.000 - 470.975 MHz 40 chs	470.000 - 470.975 MHz (TX)
MOBILE	MOBILE	Government semi-duplex	475.000 - 475.975 MHz (RX)
FIXED	FIXED	471.000 - 471.975 Mhz 40 chs	
BROADCASTING		Shared Band semi-duplex	471.000 - 471.975 MHz (TX)
5.291 5.295 5.298		472.000 - 472.975 Mhz 40 chs	476.000 - 476.975 MHz (RX)
		Non-Government semi-duplex	
		473.000 - 473.475 MHz 20 chs	472.000 - 472.975 MHz (TX)
		Government semi-duplex	477.000 - 477.975 MHz (RX)

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
		473.500 - 474.225 MHz 30 chs	
		Non-Government simplex	473.000 - 473.475 MHz (TX)
		474.250 - 474.475 MHz 10 chs	478.000 - 478.475 MHz (RX)
		Government simplex	
		475.000 - 475.975 MHz 40 chs	
		Government semi-duplex	
		476.000 - 476.975 MHz 40 chs	
		Shared Band semi-duplex	
		477.000 - 477.975 MHz 40 chs	
		Non-Government semi-duplex	
		478.000 - 478.475 MHz 20 chs	
		Government semi-duplex	
		478.500 - 479.475 MHz 40 chs	
		Non-Government simplex	
		479.500 - 480.125 MHz 26 chs	
		Government simplex	
		480.150 - 480.825 MHz 28 chs	
		Shared Band simplex	
		480.850 - 481.475 MHz 26 chs	
		Non-Government simplex	
		481.500- 482.125 MHz	
		Broadcasting (reserve)	
		482.150 - 486.225 MHz 164 chs	482.150 - 486.225 MHz (TX)
		PRNS semi-duplex	507.625 - 511.700 MHz (RX)
		486.250 - 487.475 MHz 50 chs	
		Shared band simplex	486.500 - 486.975 MHz
		487.500 - 491.500 MHz 160 chs	Paging Link
		PRNS semi-duplex	
		491.525 - 492.250 Mhz 30 chs	487.500 - 491.500 MHz (TX)
		Shared Band semi-duplex	492.500 - 496.500 MHz (RX)
		492.275 - 492.475 Mhz 8 chs	
		Shared Band simplex	491.525 - 492.250 MHz (TX)
		492.500 - 496.500 MHz 160 chs	496.525 - 497.250 MHz (RX)
		PRNS semi-duplex	
		496.525 - 497.250 MHz 30 chs	
		Shared Band semi-duplex	
		497.275 - 502.025 MHz 380 chs	497.275 - 502.025 MHz
		PRNS semi-duplex	502.275 - 507.025 MHz
		502.050 - 502.250 MHz 8 chs	
		Shared Band simplex	
		502.275 - 507.025 MHz 380 chs	
		PRNS semi-duplex	

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
		507.050 - 507.600 MHz 25 chs	
		Shared Band simplex	
		507.625 - 511.700 MHz 164 chs	
		PRNS semi-duplex	
		511.725 - 512.000 MHz 12 chs	
		Shared Band simplex	
	512.000 - 674.000 MHz	512.000 - 585.000 MHz ... TV CH 21	6.0 MHz TV channel bandwidth
	BROADCASTING	518.000 - 524.000 MHz ... TV CH 22	
		524.000 - 530.000 MHz ... TV CH 23	
		530.000 - 536.000 MHz ... TV CH 24	
		536.000 - 542.000 MHz ... TV CH 25	
		542.000 - 548.000 MHz ... TV CH 26	
		548.000 - 554.000 MHz ... TV CH 27	
		554.000 - 560.000 MHz ... TV CH 28	
		560.000 - 566.000 MHz ... TV CH 29	
		566.000 - 572.000 MHz ... TV CH 30	
		572.000 - 578.000 MHz ... TV CH 31	
		578.000 - 584.000 MHz ... TV CH 32	
		584.000 - 590.000 MHz ... TV CH 33	
585.000 - 610.000 MHz		590.000 - 596.000 MHz ... TV CH 34	
FIXED		596.000 - 602.000 MHz ... TV CH 35	
MOBILE		602.000 - 608.000 MHz ... TV CH 36	
BROADCASTING		608.000 - 614.000 MHz ... TV CH 37	
RADIONAVIGATION		614.000 - 620.000 MHz ... TV CH 38	
5.149 5.305 5.306 5.307		620.000 - 626.000 MHz ... TV CH 39	
610.000 - 890.000 MHz		626.000 - 632.000 MHz ... TV CH 40	
FIXED		632.000 - 638.000 MHz ... TV CH 41	
MOBILE S5.XXX		638.000 - 644.000 MHz ... TV CH 42	
BROADCASTING		644.000 - 650.000 MHz ... TV CH 43	
		650.000 - 656.000 MHz ... TV CH 44	
		656.000 - 662.000 MHz ... TV CH 45	
		662.000 - 668.000 MHz ... TV CH 46	
		668.000 - 674.000 MHz ... TV CH 47	
610.000 - 890.000 MHz		674.000 - 680.000 MHz ... TV CH 48	MC 04-07-2005
MOBILE		680.000 - 686.000 MHz ... TV CH 49	UHF-TV Broadcast Extension Band
BROADCASTING 5.311		686.000 - 692.000 MHz ... TV CH 50	674-698 MHz
FIXED 5.320		692.000 - 698.000 MHz ... TV CH 51	
	674.000 - 758.000 MHz	698.000 - 734.000 MHz	Auxiliary Broadcast (STL)
	BROADCASTING	Low to medium Capacity	Channel spacing: 500 KHz
	FIXED	Terrestrial Relay	RF CH available : 36
		734.000 -752.000 MHz	
		Auxiliary Broadcast Service (STL)	
		752.000 - 758.000 MHz	Terrestrial Link for
		Terrestrial Link for One-Way Radio	One-way Radio Relay
		System	Channel spacing : 500 KHz

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
			RF CH available : 12
	758.000 - 806 MHz	758.000 - 806.000 MHz	- 6.0 MHz TV channel bandwidth
	BROADCASTING	UHF TV Broadcasting	
		758 - 764 ... CH 62	
		764 - 770 ... CH 63	
		770 - 776 ... CH 64	
		776 - 782 ... CH 65	
		782 - 788 ... CH 66	
		788 - 794 ... CH 67	
		794 - 800 ... CH 68	
		800 - 806 ... CH 69	
	806.000 - 890.000 MHz	806.000 - 821.000 MHz	
	MOBILE	Public Trunked Radio System	
		Channel spacing: 25.0 KHz	
		Duplex separation: 45.0 MHz	
		Paired with: 851.0 - 866.0 MHz	
		821.000 - 824.000 MHz	MC 8-10-97
		Public Trunked Radio Service	Public Trunked Radio Service
		Paired with 866-.0-869.0MHz	
		824.000 - 849.000 MHz	MC 07-08-2005
		Cellular Mobile Telephone System	3G
		Channel spacing: 30.0 KHz	825-845 MHz
		Duplex separation: 45.0 MHz	
		Paired with 869.0 - 890.0 MHz	
5.149 5.305 5.306 5.307		849.000 - 851.000 MHz	
		Terrestrial Link for One-Way Radio System	
5.311 5.320			
		851.000 - 866.000 MHz	Paired with 806.0 - 821.0 MHz
		Trunked Radio System	
		866.000 - 869.000 MHz	Paired with 821.0-824.0 MHz
		Public Trunked Radio Service	
		869.000 890.000 MHz	MC 07-08-2005
		Cellular Mobile Telephone System	3G
			870-890 MHz
890.000 - 942.000 MHz	890.00 - 942.000 MHz	890.000 - 915.000 MHz	MC 10-12-92
FIXED	MOBILE	Cellular Mobile Telephone System	Cellular Mobile Telephone System
MOBILE 5.XXX	BROADCASTING	Channel spacing:200 KHz	
BROADCASTING	FIXED	Duplex separation: 45 MHz	
Radiolocation		Paired with 935.0 - 960.0 MHz	
5.327			
		915.000 - 916.000 MHz	Pt-to-Pt Radio Comm. System
		Point-to-Point Radio System	Ch spacing: 12.5 KHz/25.0 KHz
			Paired with 932.0 - 933.0 MHz

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
		916.000 - 918.000 MHz	Ch spacing: 12.5 KHz/25.0 KHz
		Pt.-to-Multipoint Radio System	Paired with 933.0 - 935.0 MHz
		918.000 - 920.000 MHz	MC 19-11-98
		Two-way paging service	Two-way paging
		920.000 - 925.000 MHz	Composite Stereophonic System
		BC-Studio Transmitter Link (STL)	Sep.Discrete Stereophonic signals
			Monophonic System
		928.000 - 929.000 MHz	Channel spacing: 25.0 KHz
		One-way Terrestrial Link	
		929.000 - 932.000 MHz	MC 19-11-98
		Paging	Channel Spacing: 25.0 KHz
			930.0 - 931.0 MHz for two-way paging
		932.000 - 933.000 MHz	Ch spacing: 12.5 KHz/25.0 KHz
		Point-to-Point Radio System	Paired with 915.0-916.0 MHz
		933.000 - 935.000 MHz	Ch spacing: 12.5 KHz/25.0 KHz
		Point-to-Multipoint Radio System	Paired with 916.0 - 918.0 MHz
942.000 - 960.000 MHz	942.000 - 960.000 MHz	935.000 - 960.000 MHz	MC 10-12-92
FIXED	FIXED	Cellular Mobile Telephone System	Cellular Mobile Telephone System
MOBILE S5.XXX	MOBILE	Channel spacing:200 KHz	
BROADCASTING		Duplex separation: 45 MHz	
5.32		Paired with 890.0 - 915.0 MHz	
960-1 164	960-1 164		
AERONAUTICAL RADIONAV 5.328	AERONAUTICAL RADIONAV 5.328		
1 164-1 215	1 164-1 215		
AERONAUTICAL RADIONAVIGATION 5.328			
RADIONAVIGATION-SATELLITE (space-to-Earth)			
(space-to-space) ADD 5.BA02 5.328A			
1215.0 - 1240.0 MHz	1215.0 - 1240.0 MHz		
EARTH EXPLORATION-SATELLITE (active)	RADIOLOCATION		
RADIOLOCATION	RADIONAVIGATION SATELLITE		
RADIONAVIGATION-SAT (space-to-Earth)	FIXED 5.330		
(space-to-space) 5.329 5.329AADD 5.BA02	MOBILE 5.330		
SPACE RESEARCH (active)			
5.330 5.331 5.332			
1240.0 - 1300.0 MHz	1240.0 - 1300.0 MHz		
EARTH EXPLORATION-SATELLITE (active)	RADIOLOCATION		
RADIOLOCATION	RADIONAVIGATION SATELLITE		
RADIONAVSATELLITE (space-to-Earth)	FIXED 5.330		
(space-to-space) 5.329 5.329AADD 5.BA02	MOBILE 5.330		
SPACE RESEARCH (active)	Amateur		
Amateur ADD 5.282 ADD 5.335A			
5.330 5.331 5.332 5.334 5.335			
1300.0 - 1350.0 MHz	1300.0 - 1350.0		
AERONAUTICAL RADIONAV 5.337	AERONAUTICAL RADIONAV		

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
RADIOLOCATION	Radiolocation		
RADIONAVIGATION SAT (Earth-to-space)	5.337		
5.149 5.337A			
1350.0 - 1400.0 MHz	1350.0 - 1400.0 MHz		
RADIOLOCATION	RADIOLOCATION		
5.149 5.334 5.339ADD 5.BB05	5.339		
1400.0 - 1427.0 MHz	1400.0 - 1427.0 MHz		5.340: All emissions are prohibited in this band
EARTH EXPLORATION SAT(Passive)	EARTH EXPLORATION SAT(Passive)		
RADIO ASTRONOMY 5.340	RADIO ASTRONOMY		
SPACE RESEARCH (Passive)	SPACE RESEARCH (Passive)		
5.341	5.340, 5.341		
1427.0 - 1429.0 MHz	1427.0 - 1429.0 MHz	1427.0 - 1525.0 MHz	ITU-R Rep 379
SPACE OPERATION (earth-to-space)	FIXED	Point-to-Multipoint Radio Comm. System	
MOBILE except aeronautical mobile			WLL assignment is subject to freq. availability and on Non-Interference Basis (NIB).
FIXED		1427.0 - 1530.0 MHz	
5.341		Wireless Local Loop (WLL-LEC)	
1429.0 - 1452.0 MHz	1429.0 - 1452.0 MHz		
FIXED	FIXED		
MOBILE 5.343	5.341		
5.341 ADD 5.BB05			
1452.0 - 1492.0 MHz	1452.0 - 1492.0 MHz		
FIXED	FIXED		
MOBILE 5.345	BROADCASTING 5.342		
BROADCASTING 5.342 5.343	Broadcasting Satellite 5.342		
Broadcasting Satellite 5.342	5.341		
5.343 5.341 5.344			
1 492-1 518 Mhz	1 492-1 518 Mhz		
FIXED	FIXED		
5.341			
1518 -1525 MHz	1518 - 1525 MHz		
FIXED	FIXED		
MOBILE	5.341		
5.341			
1525.0 - 1530.0 MHz	1525.0 - 1530.0 MHz		
SPACE OPERATION (space-to-earth)	SPACE OPERATION (space-to-earth)		
FIXED	FIXED		
MOBILE-SAT (space-to-earth) 5.351A	MOBILE-SAT (space-to-earth)		
Earth Exploration Satellite	Earth Exploration Satellite		
Mobile 5.349	Mobile 5.345		
5.341 5.351 5.352A 5.354	5.341 5.351 5.354		
1530.0 -1535.0 MHz	1530.0 - 1535.0 MHz	1530 .0 - 1559.0 MHz	MC 11-8-98
SPACE OPERATION (space-to-earth)	SPACE OPERATION (space-to-earth)	GMPCS (Space-to-Earth)	GMPCS
MOBILE SAT (space-to-earth) 5.353A 5.351A	MARITIME MOBILE SAT (space-to-earth)		
Earth Exploration Satellite	LAND MOBILE-SAT (space-to-earth)		
Fixed	Earth Exploration Satellite		
Mobile 5.343	Mobile 5.345		
	Fixed		

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
5.341 5.351 5.354	5.341 5.351 5.354		
1535 - 1559 MHz	1535.0 - 1544.0 MHz		
MOBILE-SAT (space-to-Earth) S5.351A	MARITIME MOBILE SAT(space-to-earth)		
5.341 5.351 5.353A 5.354 5.355 5.356	Land Mobile Sat (space-to-earth) 5.352		
5.357 5.357A 5.359 5.362A	5.351 5.354		
	1544.0 - 1545.0 MHz		
	MOBILE SAT(space-to-earth)		
	5.341 5.354 5.356		
	1545 - 1559 MHz		
	AERONAUTICAL MOBILE-SAT (R)		
	(space-to-earth)		
1559 - 1610 MHz	1559 - 1610 MHz		
AERONAUTICAL RADIONAVIGATION	AERONAUTICAL RADIONAVIGATION		
RADIONAVIGATION-SAT (space-to-earth)	RADIONAVIGATION-SAT(space-to-earth)		
5.341 5.362B 5.362C 5.363			
1610 - 1610.6 MHz	1610 - 1610.6 MHz		
MOBILE-SAT (Earth-to-space) 5.351A	MOBILE-SATELLITE (earth-to-space)		
AERONAUTICAL RADIONAVIGATION	AERONAUTICAL RADIONAVIGATION		
Radiodetermination-Sat (Earth-to-space)	Radiodetermination-Sat (earth-to-space)		
5.341 5.355 5.359 5.364			
5.366 5.367 5.368 5.369			
5.372			
1610.6 - 1613.8 MHz	1610.6 - 1613.8 MHz	1610.0-1626.5 MHz	MC 11-8-98
MOBILE-SAT(Earth-to-space) 5.351A	MOBILE-SAT (earth-to-space)	GMPCS (bidirectional)	GMPCS
RADIO ASTRONOMY	RADIO ASTRONOMY		
AERONAUTICAL RADIONAV	AERONAUTICAL RADIONAV		
Radiodetermination-Sat (Earth-to-space)	Radiodetermination-Sat (earth-to-space)		
5.149 5.341 5.355 5.359			
5.364 5.366 5.367 5.368			
5.369 5.372			
1613.8 - 1626.5 MHz	1613.8 - 1626.5 MHz		
MOBILE-SATELLITE (Earth-to-space) S5.351A	MOBILE-SATELLITE (earth-to-space)		
AERONAUTICAL RADIONAV	AERONAUTICAL RADIONAV		
Mobile-satellite (space-to-Earth)	Radiodetermination-Sat (earth-to-space)		
Radiodetermination-Sat (Earth-to-space)			
5.341 5.355 5.359 5.364			
5.365 5.366 5.367 5.368			
5.369 5.372			
1626.5 - 1660 MHz	1626.5 - 1660 MHz	1631.0-1660.0 MHz	MC 11-8-98
MOBILE-SATELLITE (earth-to-space) 5.351A	MOBILE-SATELLITE (earth-to-space) 5.351A	GMPCS (Earth-to-Space)	GMPCS
5.341 5.351 5.353A 5.354 5.355 5.357A	5.341 5.351 5.353A 5.354 5.355 5.357A		
5.359c 5.362A 5.374 5.375 5.376	5.359c 5.362A 5.374 5.375 5.376		
1660.0 - 1660.5 MHz	1660.0 - 1660.5 MHz		
MOBILE-SAT (Earth-to-space) 5.351A	LAND MOBILE SAT (earth-to-space) 5.351A		
RADIO ASTRONOMY	RADIO ASTRONOMY		
5.149 5.341 5.351 5.354	5.149 5.341 5.351 5.354		
5.362A 5.376A	5.36		

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
1660.5 - 1668.0 MHz	1660.5 - 1668.0 MHz		
RADIO ASTRONOMY	RADIO ASTRONOMY		
SPACE RESEARCH (passive)	SPACE RESEARCH (passive)		
Fixed	Fixed		
Mobile except aeronautical mobile	Mobile except aeronautical mobile		
5.149 5.341 5.379 5.379A	5.149 5.341 5.379 5.379A		
1 668-1 668.4			
MOBILE-SATELLITE (Earth-to-space) ADD 5.BB06			
RADIO ASTRONOMY			
SPACE RESEARCH (passive)			
Fixed			
Mobile except aeronautical mobile			
5.149 5.341 ADD 5.BB07 5.379 5.379A			
ADD 5.BB08 ADD 5.BB09			
1668.4 - 1670 MHz	1668.4 - 1670 MHz		
METEOROLOGICAL AIDS	METEOROLOGICAL AIDS		
FIXED	FIXED		
MOBILE except aeronautical mobile	MOBILE except aeronautical mobile		
MOBILE-SATELLITE (Earth-to-space) ADD 5.BB06			
RADIO ASTRONOMY	RADIO ASTRONOMY		
5.149 5.341 ADD 5.BB07 ADD 5.BB08	5.149 5.341		
ADD 5.BB09 ADD 5.BB10			
1670 - 1675 MHz	1670 - 1675 MHz		
METEOROLOGICAL AIDS	METEOROLOGICAL AIDS		
FIXED	FIXED		
METEOROLOGICAL-SAT (space-to-earth)	METEOROLOGICAL-SAT (space-to-earth)		
MOBILE 5.380	MOBILE 5.380		
MOBILE-SATELLITE (Earth-to-space)			
ADD 5.BB06 ADD 5.BB07 ADD 5.BB08			
ADD 5.BB09 ADD 5.BB10 ADD 5.BB11 5.341			
1675 - 1690 MHz	1675 - 1690 MHz		
METEOROLOGICAL AIDS	METEOROLOGICAL AIDS		
FIXED	FIXED		
METEOROLOGICAL-SAT (space-to-earth)	METEOROLOGICAL-SAT (space-to-earth)		
MOBILE except aeronautical mobile	MOBILE except aeronautical mobile		
5.341	5.341		
1690 - 1700 MHz	1690 - 1700 MHz		
METEOROLOGICAL AIDS	METEOROLOGICAL AIDS		
METEOROLOGICAL-SAT (space-to-earth)	METEOROLOGICAL-SAT (space-to-earth)		
5.289 5.341 5.381	5.289 5.341		
1700 - 1710 MHz	1700 - 1710 MHz		
FIXED	FIXED		
METEOROLOGICAL -SAT (space-to-earth)	METEOROLOGICAL -SAT (space-to-earth)		
MOBILE except aeronautical mobile	MOBILE except aeronautical mobile		
5.289 5.341 5.384	5.289 5.341		
1710 - 1930 MHz	1710 - 1930 MHz	1710 - 1720 MHz	MC 1-1-97.
FIXED	FIXED	WLL - LEC	WLL LEC

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
MOBILE 5.380 5.AAA 5.BBB	MOBILE 5.381	Paired with 1805-1815 MHz	
		1720 - 1785 MHz	MC 5-6-98/3-3-99/9-3-2000/4-7-2001
		CMTS	CMTS
		Paired with 1815-1880 MHz	
5.149 5.341 5.385 5.386			
5.387 5.388	5.149 5.341 5.385 5.388	1805 - 1815 MHz	MC 1-1-97.
		WLL - LEC	WLL LEC
		Paired with 1710-1720 MHz	
		1815 - 1880 MHz	MC 5-6-98/3-3-99/9-3-2000/4-7-2001
		CMTS	CMTS
		Paired with 1720-1785 MHz	
		1880-1900 MHz	MC 07-08-2005
		3G	3G
			1880-1900 MHz
		1900-1910 MHz	MC 06-08-2005
		WLL	Broadband Wireless Access (BWA)
		Paired with 1980-1990 MHz	1900-1910 MHz
1930 - 1980 MHz	1930 - 1980 MHz	1920-1980 MHz	MC 07-08-2005
	FIXED	3G	3G
	MOBILE		1920-1980 MHz
		1980-1990 MHz	MC 06-08-2005
	5.388	WLL	Broadband Wireless Access (BWA)
		Paired with 1900-1910 MHz	1980-1990 MHz
1980 - 2010 MHz	1980 - 2010 MHz	1980.0 - 2010.0 MHz	MC 11-8-98: GMPCS
FIXED	FIXED	GMPCS (Earth-to-Space)	
MOBILE	MOBILE		
MOBILE-SAT(earth-to-space)	MOBILE-SAT (earth-to-space)		
5.388 5.389A 5.389B 5.389F	5.388 5.389A		
2010 - 2025 MHz	2010 - 2025 MHz	2010-2025 MHz	MC 07-08-2005
FIXED	FIXED		3G
MOBILE S5.BBB	MOBILE		2010-2025 MHz
	PHI 19 PHI 22		
5.388	5.388		
2025 - 2110 MHz	2025 - 2110 MHz	2025 - 2110 MHz	ITU-R Rec F.1098
SPACE OPERATION (earth-to-space)	SPACE OPERATION (earth-to-space)	Point-to-Point Radio Comm. System	
space-to-earth)	space-to-earth)		
EARTH EXPLORATION-SATELLITE	EARTH EXPLORATION-SATELLITE		
(earth-to-space) (space-to-earth)	(earth-to-space) (space-to-earth)		
FIXED	FIXED		
MOBILE 5.391	MOBILE 5.391		

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
SPACE RESEARCH (earth-to-space) (space-to-earth)	SPACE RESEARCH (earth-to-space) (space-to-earth)		
5.392	5.388		
2110 - 2120 MHz	2110 - 2120 MHz	2110-2170 MHz	MC 07-08-2005
FIXED	FIXED		3G
MOBILE	MOBILE		2110-2170 MHz
SPACE RESEARCH (deep space) (earth-to-space)	SPACE RESEARCH (deep space) (earth-to-space)		
5.388	5.388		
2120 - 2160 MHz	2120 - 2170 MHz		
FIXED	FIXED		
MOBILE S5.BBB	MOBILE		
5.388	5.388		
2170 - 2200 MHz	2170 - 2200 MHz	GMPCS	MC 11-8-98
FIXED	FIXED	2170.0 - 2200.0 MHz	GMPCS (Space-to-Earth)
MOBILE	MOBILE	GMPCS (Space-to-Earth)	
MOBILE-SAT (space-to-earth)	MOBILE-SAT (space-to-earth)		
5.388 5.389 A 5.392A 5.389F	5.388 5.389 A		
2200 - 2290 MHz	2200 - 2290 MHz	2200 - 2290 MHz	ITU-R Rec F.1098
SPACE OPERATION (space-to-Earth) (space-to-space)	SPACE OPERATION (space-to-Earth) (space-to-space)	Point-to-Point Radio Comm. System	
EARTH EXPLORATION-SATELLITE (space-to-Earth) (space-to-space)	EARTH EXPLORATION-SATELLITE (space-to-earth) (earth-to-space)		
FIXED	FIXED		
MOBILE 5.391	MOBILE 5.391		
SPACE RESEARCH (space-to-Earth) (space-to-space)	SPACE RESEARCH (space-to-Earth) Earth-to-space)		
5.392	5.392		
2290 - 2300 MHz	2290 - 2300 MHz		
FIXED	FIXED		
MOBILE except aeronautical mobile	MOBILE except aeronautical mobile		
SPACE RESEARCH (deep space) (space-to-earth)	SPACE RESEARCH (deep space) (space-to-earth)		
2300 - 2450 MHz	2300 - 2450 MHz	2300 - 2500 MHz	ITU-R Rec.933
FIXED	FIXED	Point-to-Point Radio Comm. System	Point-to-Point Radio Comm. System
MOBILE	MOBILE		
RADIOLOCATION	RADIOLOCATION	2400-2483.5 MHz	MC 06-08-2005
Amateur	Amateur	MC 09-09-2003:	Broadband Wireless Access (BWA)
5.150 5.282 5.393 5.396	5.150 5.282 5.396	Wireless Data Networks and Devices	2400-2483 MHz
2450 - 2483.5 MHz	2450 - 2483.5 MHz		
FIXED	FIXED		
MOBILE	MOBILE		
RADIOLOCATION	RADIOLOCATION		
5.150 5.394	5.15		
2483.5 - 2500 MHz	2483.5 - 2500 MHz	2483.5 - 2500.0 MHz	MC 11-8-98: GMPCS
FIXED	FIXED	GMPCS (Space-to-Earth)	

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
MOBILE	MOBILE		
MOBILE-SAT (space-to-Earth) S5.SSS	MOBILE-SAT (space-to-earth)		
RADIOLOCATION	RADIOLOCATION		
Radiodetermination-Sat (space-to-Earth)	Radiodetermination-Sat(space-to-earth)		
5.398 5.150 5.402	5.398 5.150 5.402		
2500 - 2520 MHz	2500 - 2520 MHz	2500 - 2700 MHz	MC 06-08-2005
FIXED 5.409 5.411	FIXED 5.409 5.411	ITU R Rec. 283	Broadband Wireless Access (BWA)
FIXED SAT (space-to-earth) 5.415	FIXED SAT (space-to-earth) 5.415	Point-to-Point Radio Comm. System	2500-2700 MHz
MOBILE except aeronautical mobile S5.384A	MOBILE except aeronautical mobile		
MOBILE-SAT(space-to-earth) 5.403 5.SSS	MOBILE-SAT (space-to-earth)		
5.404 5.407 5.414 5.415A			
2520 - 2535 MHz	2520 - 2535 MHz		
FIXED 5.409 5.411	FIXED 5.409 5.411		
FIXED-SAT (space-to-Earth) 5.415	FIXED-SAT (space-to-Earth) 5.415		
MOBILE except aeronautical mobile 5.384A	MOBILE except aeronautical mobile 5.384A		
BROADCASTING SAT	BROADCASTING SAT S5.413		
5.413 5.416 5.403 5.415A	5.413 5.416		
2535 - 2655 MHz	2535 - 2655 MHz	2596-2644 MHz	
FIXED S5.409 S5.411	FIXED S5.409 5.411	Multi-channel Multipoint Distribution System (MMDS)	
MOBILE except aeronautical mobile S5.384A	MOBILE except aeronautical mobile 5.384A		
BROADCASTING SAT 5.413 5.416	BROADCASTING SAT 5.413		
5.339 5.418 ADD 5.418bis 5.418A ADD 5.418Abis			
5.418B ADD 5.418Bbis 5.418C ADD 5.418Cbis	5.339		
2655 - 2670 MHz	2655 - 2670 MHz		
FIXED 5.409 5.411	FIXED 5.416 5.418		
FIXED-SAT (space-to-Earth) 5.415	FIXED-SAT (space-to-Earth) 5.415		
MOBILE except aeronautical mobile 5.AAA	MOBILE except aeronautical mobile		
BROADCASTING SAT 5.413 5.416	BROADCASTING SAT 5.409 5.413		
Earth Exploration-Satellite (passive)	Earth Exploration-Satellite (passive)		
Radio Astronomy	Radio Astronomy		
Space Research (passive)	Space Research (passive)		
5.149 5.420	5.149 5.420		
2670 - 2690 MHz	2670 - 2690 MHz		
FIXED 5.409 5.411	FIXED 5.416 5.418		
FIXED SAT (Earth-to-space) 5.415	FIXED SAT (Earth-to-space) 5.415		
MOBILE except aeronautical mobile 5.AAA	MOBILE except aeronautical mobile		
MOBILE SAT (Earth-to-space) 5.SSS	MOBILE SATELLITE (Earth-to-space)		
Earth Exploration-Satellite (passive)	Earth Exploration-Satellite (passive)		
Radio Astronomy	Radio Astronomy		
Space Research (passive)	Space Research (passive)		
5.149 5.419 5.420 5.420A	5.149 5.419 5.420		
2690 - 2700 MHz	2690 - 2700 MHz		5.340: All emissions are prohibited except those provided by No. 5.422
EARTH EXPLORATION-SAT (passive)	EARTH EXPLOR -SAT+B1594 (passive)		
RADIO ASTRONOMY	RADIO ASTRONOMY		
SPACE RESEARCH (passive)	SPACE RESEARCH (passive)		
5.340 5.421 5.422	5.340 5.422		
2700 - 2900 MHz	2700 - 2900 MHz		

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
AERONAUTICAL NAVIGATION 5.337	AERONAUTICAL NAVIGATION 5.337		
Radiolocation	Radiolocation		
5.423 5.427	5.423		
2900 - 3100 MHz	2900 - 3100 MHz		
RADIONAVIGATION 5.426	RADIONAVIGATION 5.426		
Radiolocation ADD 5.BA01	Radiolocation		
5.425 5.427	5.425 5.427		
3100 - 3300 MHz	3100 - 3300 MHz		
RADIOLOCATION	RADIOLOCATION		
Earth Exploration-Satellite (active)			
Space Research (active)			
5.149 5.428	5.149 5.333		
3300 - 3400 MHz	3300 - 3400 MHz		
RADIOLOCATION	RADIOLOCATION		
Amateur	Amateur		
5.149 5.429	5.149		
3400 - 3500 MHz	3400 - 3500 MHz	3400 - 3590 MHz	MC 06-08-2005
FIXED	FIXED	WLL-LEC	Broadband Wireless Access (BWA)
FIXED SATELLITE(space-to-Earth)	FIXED SATELLITE(space-to-Earth)		3400-3600 MHz
Amateur	Amateur		
Mobile	Mobile		
Radiolocation 5.433	Radiolocation 5.433		
5.282 5.432	5.282		
3500 - 3700 MHz	3500 - 3700 MHz	3580 - 4200	ITU-R Rec 635
FIXED	FIXED	Point-to-Point Radio Comm. System	
FIXED-SATELLITE (space-to-earth)	FIXED-SATELLITE (space-to-earth)		
MOBILE except aeronautical mobile	MOBILE except aeronautical mobile		
Radiolocation 5.433	Radiolocation 5.433		
5.435			
3700 - 4200 MHz	3700 - 4200 MHz		
FIXED	FIXED		
FIXED-SATELLITE (space-to-earth)	FIXED-SATELLITE (space-to-earth)		
MOBILE except aeronautical mobile	MOBILE except aeronautical mobile		
4200 - 4400 MHz	4200 - 4400 MHz		
AERONAUTICAL RADIONAV 5.438	AERONAUTICAL RADIONAV 5.438		
5.437 5.439 5.440	5.439 5.440		
4400 - 4500 MHz	4400 - 4500 MHz	4400 - 5000 MHz	ITU-R Rep 287
FIXED	FIXED	Point-to-Point Radio Comm. System	
MOBILE	MOBILE		
4500 - 4800 MHz	4500 - 4800 MHz		
FIXED	FIXED		
FIXED-SAT (space-to-earth) 5.441	FIXED-SAT (space-to-earth) 5.441		
MOBILE	MOBILE		
4800 - 4990 MHz	4800 - 4990 MHz		
FIXED	FIXED		
MOBILE 5.442	MOBILE 5.442		
Radio Astronomy	Radio Astronomy		

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
5.149 5.339 5.443	5.149 5.339		
4900 - 5000 MHz	4900 - 5000 MHz		
FIXED	FIXED		
MOBILE except aeronautical mobile	MOBILE except aeronautical mobile		
RADIO ASTRONOMY	RADIO ASTRONOMY		
Space Research (passive)	Space Research (passive)		
5.149	5.149		
5000 - 5010 Mhz	5000 - 5010 MHz		
AERONAUTICAL RADIONAVIGATION	AERONAUTICAL RADIONAVIGATION		
RADIONAVIGATION-SAT (Earth-to-space)	RADIONAVIGATION-SAT (Earth-to-space)		
5.367	5.367		
5010 - 5030 MHz	5010 - 5030 MHz		
AERONAUTICAL RADIONAVIGATION	AERONAUTICAL RADIONAVIGATION		
RADIONAVIGATION-SATELLITE	RADIONAVIGATION-SATELLITE		
(space-to-Earth) (space-to-space)	(space-to-Earth) (space-to-space)		
5.443B ADD 5.BA02 5.367	5.443B ADD 5.BA02 5.367		
5030 - 5150 MHz	5000 - 5150 MHz		
AERONAUTICAL RADIONAVIGATION	AERONAUTICAL RADIONAV		
5.367 5.444 5.444A	5.367 5.444 5.444A		
5150 - 5250 MHz	5150 - 5250 MHz	5150-5350MHz	MC 06-08-2005
AERONAUTICAL RADIONAVIGATION	AERONAUTICAL RADIONAVIGATION	MC 09-09-2003	Broadband Wireless Access (BWA)
FIXED-SAT (earth-to-space) 5.447A	FIXED-SAT SERVICE (earth-to-space)	Wireless Data Networks and Devices	5150-5350 MHz
MOBILE except aeronautical mobile	MOBILE except aeronautical mobile		
ADD 5.BD02 ADD 5.BD03	ADD 5.BD02 ADD 5.BD03		
5.446 5.447 5.447B 5.447C	5.446 5.447 5.447B 5.447C		
5250 - 5255 MHz	5250 - 5255 MHz		
EARTH EXPLORATION-SAT (active)	EARTH EXPLORATION-SAT (active)		
RADIOLOCATION	RADIOLOCATION		
SPACE RESEARCH 5.447D	SPACE RESEARCH 5.447D		
MOBILE except aeronautical mobile	MOBILE except aeronautical mobile		
ADD 5.BD02 ADD 5.BD04	ADD 5.BD02 ADD 5.BD04		
5.448 5.448A ADD 5.BD01	5.448 5.448A ADD 5.BD01		
5255 - 5350 MHz	5255 - 5350 MHz		
EARTH EXPLORATION-SAT (active)	EARTH EXPLORATION-SAT (active)		
RADIOLOCATION	RADIOLOCATION		
SPACE RESEARCH (active)	SPACE RESEARCH (active)		
MOBILE except aeronautical mobile	MOBILE except aeronautical mobile		
ADD 5.BD02 ADD 5.BD04	ADD 5.BD02 ADD 5.BD04		
5.448 5.448A ADD 5.BD01	5.448 5.448A ADD 5.BD01		
5350 - 5460 MHz	5350 - 5460 MHz		
EARTH EXPLORATION-SATELLITE (active)	EARTH EXPLORATION-SATELLITE (active)		
SPACE RESEARCH (active) ADD 5.BD08	SPACE RESEARCH (active) ADD 5.BD08		
AERONAUTICAL RADIONAVIGATION 5.449	AERONAUTICAL RADIONAVIGATION 5.449		
RADIOLOCATION ADD 5.BD05	RADIOLOCATION ADD 5.BD05		
5.448B	5.448B		
5460 - 5470 MHz	5460 - 5470 MHz		
RADIONAVIGATION 5.449	RADIONAVIGATION 5.449		

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
EARTH EXPLORATION-SATELLITE (active)	EARTH EXPLORATION-SATELLITE (active)		
SPACE RESEARCH (active)	SPACE RESEARCH (active)		
RADIOLOCATION ADD 5.BD05	RADIOLOCATION ADD 5.BD05		
5.448B	5.448B		
5 470-5 570MHz	5 470-5 570MHz	5470-5850MHz	MC 06-08-2005
MARITIME RADIONAVIGATION	MARITIME RADIONAVIGATION	MC 09-09-2003	Broadband Wireless Access (BWA)
MOBILE except aeronautical mobile ADD 5.BD02	MOBILE except aeronautical mobile ADD 5.BD02	Wireless Data Networks and Devices	5470-5850 MHz
ADD 5.BD07	ADD 5.BD07		
EARTH EXPLORATION-SATELLITE (active)	EARTH EXPLORATION-SATELLITE (active)		
SPACE RESEARCH (active)	SPACE RESEARCH (active)		
RADIOLOCATION ADD 5.BD06	RADIOLOCATION ADD 5.BD06		
5.450 5.451 5.452 5.448B	5.450 5.451 5.452 5.448B		
5 570-5 650			
MARITIME RADIONAVIGATION			
MOBILE except aeronautical mobile			
ADD 5.BD02 ADD 5.BD07			
RADIOLOCATION ADD 5.BD06			
5.450 5.451 5.452			
5650 - 5725 MHz	5650 - 5725 MHz		
RADIOLOCATION	FIXED		
MOBILE except aeronautical mobile			
ADD 5.BD02 ADD 5.BD07			
Amateur	MOBILE		
Space Research (deep space)	5.282 5.453		
5.282 5.452 5.453 5.455			
5725 - 5830 MHz	5725 - 5830 MHz		
RADIOLOCATION	FIXED		
Amateur	MOBILE		
5.282 5.451 5.453 5.454 5.455	5.150		
5830 - 5850 MHz	5830 - 5850 MHz		
RADIOLOCATION	FIXED		
Amateur	MOBILE		
Amateur-satellite (space-to-earth)	5.150 5.453		
5.150 5.453 5.455			
5850 - 5925 MHz	5850 - 5925 MHz		
FIXED	FIXED		
FIXED-SATELLITE (earth-to-space)	FIXED-SATELLITE (earth-to-space)		
MOBILE	MOBILE		
Radiolocation	Radiolocation		
5.15	5.15		
5925 - 6700 MHz	5925 - 6700 MHz	5925 - 6425 MHz	ITU-R Rec 383
FIXED	FIXED	Point-to-Point Radio Comm. System	
FIXED-SATELLITE (earth-to-space)	FIXED-SATELLITE (earth-to-space)		
ADD 5.AA16 ADD ESVXX			
MOBILE	MOBILE	6425 - 7125 MHz	
5.440 5.458 5.149	5.440 5.458 5.149	Point-to-Point Radio Comm. System	
6700 - 7075 MHz	6700 - 7075 MHz		ITU-R Rec 384

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
FIXED	FIXED		
FIXED SATELLITE (earth-to-space) (space-to-earth) 5.441	FIXED SATELLITE (earth-to-space) (space-to-earth) 5.441		
MOBILE	MOBILE		
5.458 5.468B 5.458C 5.458D	5.458 5.468B 5.458C 5.458D		
7 075-7 145	7 075-7 145	7125 - 7725 MHz	ITU-R Rec 385
FIXED	FIXED	Point-to-Point Radio Comm. System	
MOBILE	MOBILE		
5.458 5.459	5.458 5.459		
7 145-7 235	7 145-7 235		
FIXED	FIXED		
MOBILE	MOBILE		
SPACE RESEARCH (Earth-to-space) 5.460	SPACE RESEARCH (Earth-to-space) 5.460		
5.458 5.459	5.458 5.459		
7235 - 7250 MHz	7235 - 7250 MHz		
FIXED	FIXED		
MOBILE	MOBILE		
5.458	5.458		
7250 - 7300 MHz	7250 - 7300 MHz		
FIXED	FIXED		
FIXED-SATELLITE (space-to-earth)	FIXED-SATELLITE (space-to-earth)		
MOBILE	MOBILE		
5.461	5.461		
7300 - 7450 MHz	7300 - 7450 MHz		
FIXED	FIXED		
FIXED-SATELLITE (space-to-earth)	FIXED-SATELLITE (space-to-earth)		
MOBILE except aeronautical mobile	MOBILE except aeronautical mobile		
5.461	5.461		
7450 - 7550 MHz	7450 - 7550 MHz		
FIXED	FIXED		
FIXED-SATELLITE (space-to-earth)	FIXED-SATELLITE (space-to-earth)		
METEOROLOGICAL-SAT (space-to-earth)	METEOROLOGICAL-SAT (space-to-earth)		
MOBILE except aeronautical mobile			
5.461A	MOBILE except aeronautical mobile		
7550 - 7750 MHz	7550 - 7750 MHz	7725 - 8275 MHz	ITU-R Rec 386
FIXED	FIXED	Point-to-Point Radio Comm. System	
FIXED-SATELLITE (space-to-earth)	FIXED-SATELLITE (space-to-earth)		
MOBILE except aeronautical mobile	MOBILE except aeronautical mobile		
7750 - 7850 MHz	7750 - 7900 MHz		
FIXED	FIXED		
MOBILE except aeronautical mobile			
METEOROLOGICAL-SAT (space-to-earth)	MOBILE except aeronautical mobile		
S5.461B			
7850 - 7900 MHz			
FIXED			
MOBILE except aeronautical mobile			
7900 - 8025 MHz	7900 - 8025 MHz		

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
FIXED	FIXED		
FIXED-SATELLITE (earth-to-space)	FIXED-SATELLITE (earth-to-space)		
MOBILE	MOBILE		
5.461	5.461		
8025 - 8175 MHz	8025 - 8175 MHz		
Earth Exploration-Satellite (space-to-earth)	FIXED		
FIXED	FIXED-SATELLITE (earth-to-space)		
FIXED-MOBILE (Earth-to-space)	MOBILE		
MOBILE	Earth Exploration-Sat (space-to-earth)		
5.462A 5.463	5.462		
8175 - 8215 MHz	8175 - 8215 MHz		
Earth Exploration-Sat (space-to-earth)	FIXED		
FIXED	FIXED-SAT(earth-to-space)		
FIXED-MOBILE (Earth-to-space)	METEOROLOGICAL-SAT (earth-to-space)		
METEOROLOGICAL-SAT (Earth-to-space)	MOBILE		
MOBILE	Earth Exploration-Sat (space-to-earth)		
5.462A 5.463	5.462		
8215 - 8400 MHz	8215 - 8400 MHz	8275 - 8500 MHz	ITU-R Rep 1055
EARTH EXPLORATION-SAT (space-to-Earth)	FIXED	Point-to-Point Radio Comm. System	
FIXED	FIXED-SAT (earth-to-space)		
FIXED SATELLITE	MOBILE		
MOBILE	Earth Exploration-Sat (space-to-earth)		
5.462A 5.463	5.462		
8400 - 8500 MHz	8400 - 8500 MHz		
FIXED	FIXED		
MOBILE except aeronautical mobile	MOBILE except aeronautical mobile		
SPACE RESEARCH (space-to-earth)	SPACE RESEARCH (space-to-earth)		
5.465 5.466	5.465 5.466		
5.465 5.466 5.467	5.465 5.466 5.467		
8500 - 8750 MHz	8500 - 8750 MHz		
RADIOLOCATION	RADIOLOCATION		
SPACE RESEARCH (active)			
EARTH EXPLORATION-SAT (active)			
5.463A 5.468 5.469	5.333		
8750 - 8850 MHz	8750 - 8850 MHz		
RADIOLOCATION	RADIOLOCATION		
AERONAUTICAL RADIONAV 5.470	AERONAUTICAL RADIONAV 5.470		
5.471			
8850 - 9000 MHz	8850 - 9000 MHz		
RADIOLOCATION	RADIOLOCATION		
MARITIME RADIONAVIGATION	MARITIME RADIONAVIGATION		
5.472 5.473	5.472		
9000 - 9200 MHz	9000 - 9200 MHz		
AERONAUTICAL RADIONAV 5.337	AERONAUTICAL RADIONAV 5.337		
Radiolocation 5.471	Radiolocation		
9200 - 9300 MHz	9200 - 9300 MHz		
RADIOLOCATION	RADIOLOCATION		

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
MARITIME RADIONAVIGATION	MARITIME RADIONAVIGATION		
5.472 5.473 5.474	5.472 5.474		
9300 - 9500 MHz	9300 - 9500 MHz		
RADIONAVIGATION S5.476	RADIONAVIGATION S5.476		
Radiolocation	Radiolocation		
5.427 5.474 5.475	5.427 5.474 5.475		
9500 - 9800 MHz	9500 - 9800 MHz		
RADIOLOCATION	RADIOLOCATION		
RADIONAVIGATION	RADIONAVIGATION		
SPACE RESEARCH (active)			
EARTH EXPLORATION-SATELLITE (active)			
5.476A	5.333		
9800 - 10000 MHz	9800 - 10000 MHz		
RADIOLOCATION	RADIOLOCATION		
Fixed	Fixed		
5.477 5.478 5.479	5.479		
10 - 10.45 GHz	10 - 10.45 GHz		MC 06-08-2005
FIXED	FIXED		Broadband Wireless Access (BWA)
MOBILE	MOBILE		10150-10650 MHz
RADIOLOCATION	RADIOLOCATION		
Amatuer	Amatuer		
5.479	5.479		
10.45 - 10.5 GHz	10.45 - 10.5 GHz		
RADIOLOCATION	RADIOLOCATION		
Amateur	Amateur		
Amateur-Satellite	Amateur-Satellite		
5.481			
10.5 - 10.55 GHz	10.5 - 10.55 GHz	10.5 - 10.68 GHz	
FIXED	FIXED	ITU-R Rep 607	
MOBILE	MOBILE	Point-to-Point Radio Comm. System	
RADIOLOCATION			
10.55 - 10.6 GHz	10.55 - 10.6 GHz		
FIXED	FIXED		
MOBILE except aeronautical mobile	MOBILE except aeronautical mobile		
Radiolocation	Radiolocation		
10.6 - 10.68 GHz	10.6 - 10.68 GHz		
EARTH EXPLORATION SAT (passive)	EARTH EXPLORATION SAT (passive)		
FIXED	FIXED		
MOBILE except aeronautical mobile	MOBILE except aeronautical mobile		
RADIO ASTRONOMY	RADIO ASTRONOMY		
SPACE RESEARCH (passive)	SPACE RESEARCH (passive)		
Radiolocation	Radiolocation		
5.149 5.482	5.149 5.482		
10.68 - 10.7 GHz	10.68 - 10.7 GHz		5.340: All emissions are prohibited
EARTH EXPLORATION SAT (passive)	EARTH EXPLORATION SAT (passive)		in this band except those provided
RADIO ASTRONOMY	RADIO ASTRONOMY		for by No. 5.483
SPACE RESEARCH (passive)	SPACE RESEARCH (passive)		

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
5.340 5.438	5.34		
10.7 - 11.7 GHz	10.7 - 11.7 GHz	10.7 - 11.7 GHz	ITU-R Rec 387
FIXED	FIXED	Point-to-Point Radio Comm. System	
FIXED-SAT (space-to-Earth) 5.441	FIXED-SAT (space-to-Earth) 5.441		
MOBILE except aeronautical mobile	MOBILE except aeronautical mobile		
11.7 - 12.2 GHz	11.7 - 12.2 GHz		
FIXED			
MOBILE except aeronautical mobile	MOBILE except aeronautical mobile		
BROADCASTING	BROADCASTING		
BROADCASTING-SATELLITE	BROADCASTING-SATELLITE		
5.487 5.487A 5.492	5.487		
12.2 - 12.5 GHz	12.2 - 12.5 GHz		
FIXED	FIXED		
FIXED-SATELLITE (space-to-earth)	FIXED-SATELLITE (space-to-earth)		
MOBILE except aeronautical mobile	MOBILE except aeronautical mobile		
BROADCASTING	BROADCASTING		
5.484A 5.487	5.484A 5.487		
12.5-12.75	12.5-12.75		
FIXED	FIXED		
FIXED-SATELLITE space-to-Earth 5.484A	FIXED-SATELLITE space-to-Earth 5.484A		
MOBILE except aeronautical mobile	MOBILE except aeronautical mobile		
BROADCASTING-SATELLITE 5.493	BROADCASTING-SATELLITE 5.493		
12.75 - 13.25 GHz	12.75 - 13.25 GHz	12.75 - 13.25 GHz	ITU-R Rec 497
FIXED	FIXED	Point-to-Point Radio Comm. System	
FIXED SATELLITE (space-to-Earth) 5.441	FIXED SATELLITE (space-to-Earth) 5.441	12700-12800 MHz	BC-STL/CARS
MOBILE	MOBILE	13000-13100 MHz	12700-12800/13000-13100 MHz
Space Research (deep space)(space-to-earth)	Space Research (deep space)(space-to-earth)	BC-STL/CARS	
13.25 - 13.4 GHz	13.25 - 13.4 GHz		
AERONAUTICAL RADIONAV 5.497	AERONAUTICAL RADIONAV 5.497		
EARTH EXPLORATION-SAT (active)			
SPACE RESEARCH (active)			
5.498A 5.499	5.498		
13.4 - 13.75 GHz	13.4 - 13.75 GHz		
RADIOLOCATION	RADIOLOCATION		
EARTH EXPLORATION-SATELLITE (active)	Standard Frequency and Time		
SPACE RESEARCH	Standard Frequency & Time Signal-Satellite		
Standard Frequency and Time Signal-Satellite (Earth-to-space)	(earth-to-space)		
Space Research	Space Research		
5.499 5.500 5.501 5.501A 5.501B	5.333		
13.75 - 14 GHz	13.75 - 14 GHz		
FIXED-SATELLITE (Earth-to-space) 5.484A	FIXED-SATELLITE (earth-to-space)		
RADIOLOCATION	RADIOLOCATION		
Standard Frequency & Time Signal-Satellite (earth-to-space)	Standard Frequency & Time Signal-Satellite (earth-to-space)		
Space Research	Space Research		
Earth exploration-satellite			
5.499 5.500 5.501 5.502 5.503	5.333 5.503 5.503A		

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
14 - 14.25 GHz	14 - 14.25 GHz	14.0-14.5GHz	MC 04-05-2004
FIXED-SATELLITE (Earth-to-space) 5.484A	FIXED 5.505	Aeronautical Mobile Satellite Service	Aeronautical Mobile Satellite Service
5.506 ADD 5.AA16 ADD 5.AA18 ADD ESVXX		(Secondary Basis)	14.0-14.5GHz
RADIONAVIGATION 5.504	FIXED SATELLITE (earth-to-space) 5.506		
Mobile-Satellite (earth-to-space) ADD 5.BB02	RADIONAVIGATION 5.504		
except aeronautical mobile-satelliteADD 5.AA17	Land mobile-satellite (earth-to-space)		
Space Research	Space Research		
5.505 ADD 5.AA13	5.505		
14.25-14.3	14.25-14.3		
FIXED-SATELLITE (Earth-to-space) 5.484A	FIXED 5.505		
5.506ADD 5.AA16 ADD 5.AA18 ADD ESVXX	FIXED-SATELLITE (Earth-to-space) 5.484A		
RADIONAVIGATION 5.504	5.506ADD 5.AA16 ADD 5.AA18 ADD ESVXX		
Mobile-Satellite (earth-to-space)	RADIONAVIGATION 5.504		
except aeronautical mobile-satellite	Mobile-Satellite (earth-to-space)		
ADD 5.AA17	except aeronautical mobile-satellite		
Space Research	ADD 5.AA17		
5.505 5.509 ADD 5.AA13	Space Research		
14.3 - 14.4 GHz	14.3 - 14.4 GHz		
FIXED	FIXED		
FIXED SATELLITE	FIXED SATELLITE		
(Earth to space) 5.484A 5.506	(Earth-to-space) 5.484A 5.506		
ADD 5.AA16 ADD5.AA18	MOBILE except aeronautical mobile		
MOBILE except aeronautical mobile	Mobile-Satellite (earth-to-space)		
Mobile-Satellite (earth-to-space)	except aeronautical mobile-satellite		
except aeronautical mobile-satellite	ADD 5.AA17		
ADD 5.AA17			
Radionavigation-Satellite			
ADD 5.BB04 ADD 5.AA13			
14.4-14.47	14.4 - 14.47 GHz		
FIXED	FIXED		
FIXED SATELLITE	FIXED SATELLITE (Earth-to-space) 5.484A		
(Earth-to-space) 5.484A 5.506	5.506		
MOBILE except aeronautical mobile	MOBILE except aeronautical mobile		
Mobile-satellite (Earth-to-space) ADD 5.BB04	Mobile-Satellite (earth-to-space)		
Space research (space-to-Earth)	except aeronautical mobile-satellite		
ADD 5.AA13 ADD 5.AA17	ADD 5.AA17		
14.47 - 14.5 GHz	14.47 - 14.5 GHz		
FIXED	FIXED		
FIXED SATELLITE (earth-to-space) 5.484A	FIXED SATELLITE (earth-to-space) 5.484A		
5.506 ADD 5.AA16 ADD 5.AA18 ADD ESVXX	5.506 ADD 5.AA16 ADD 5.AA18 ADD ESVXX		
MOBILE except aeronautical mobile	MOBILE except aeronautical mobile		
Mobile-Satellite (earth-to-space)	Mobile-Satellite (earth-to-space)		
except aeronautical mobile-satellite	except aeronautical mobile-satellite		
Radio Astronomy	Radio Astronomy		
5.149	5.149		
14.5 - 14.8 GHz	14.5 - 14.8 GHz	14.5 - 15.35 GHz	ITU-R Rec 636

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
FIXED	FIXED	Point-to-Point Radio Comm. System	
FIXED SATELLITE (earth-to-space) 5.510	FIXED SATELLITE (earth-to-space) 5.510		
MOBILE	MOBILE		
Space Research	Space Research		
14.8 -15.35 GHz	14.8 -15.35 GHz		
FIXED	FIXED		
MOBILE	MOBILE		
Space Research	Space Research		
5.339	5.339		
15.35 - 15.4 GHz	15.35 - 15.4 GHz		5.340: All emissions are prohibited within this band except those provided for by No. 5.511
EARTH EXPLORATION-SAT (passive)	EARTH EXPLORATION-SAT (passive)		
RADIO ASTRONOMY	RADIO ASTRONOMY		
SPACE RESEARCH (passive)	SPACE RESEARCH (passive)		
5.340 5.511	5.34		
15.4 - 15.63 GHz	15.4 - 15.7 GHz		
FIXED-SAT (Eath-to-space) 5.511A	AERONAUTICAL RADIONAV 5.511B		
AERONAUTICAL RADIONAV	FIXED-SATELLITE (space-to-Earth)		
5.511C	5.511A 5.511C		
15.63 - 15.7 GHz			
AERONAUTICAL RADIONAVIGATION			
5.511D			
15.7 - 16.6 GHz	15.7 - 16.6 GHz		
RADIOLOCATION	RADIOLOCATION		
5.512 5.513	5.512 5.513		
16.6 - 17.1 GHz	16.6 - 17.1 GHz		
RADIOLOCATION	RADIOLOCATION		
Space Research (deep sea)	Space Research (deep sea)		
(Earth to Space) 5.512 5.513	(Earth to Space) 5.512 5.513		
17.1 - 17.2 GHz	17.1 - 17.2 GHz		
RADIOLOCATION	RADIOLOCATION		
5.512 5.513	5.512 5.513		
17.2 - 17.3 GHz	17.2 - 17.3 GHz		
RADIOLOCATION	RADIOLOCATION		
Earth Exploration-Satellite (active)	Earth Exploration-Satellite (active)		
Space Research (active)	Space Research (active)		
5.512 5.513 5.513A			
17.3 - 17.7 GHz	17.3 - 17.7 GHz		
FIXED-SATELLITE	FIXED-SATELLITE		
(Earth-to-space) 5.516	(Earth-to-space) 5.516		
Radiolocation	Radiolocation		
5.514	5.514		
17.7 - 18.1 GHz	17.7 - 18.1 GHz	17.7 - 19.7 GHz	ITU-R Rec 595
FIXED	FIXED	Point-to-Point Radio Comm. System	
FIXED SATELLITE (space-to-Earth)	FIXED SATELLITE (space-to-Earth)		
(Earth to Space) 5.516	(Earth to Space) 5.516		
MOBILE	MOBILE		
18.1 - 18.4 GHz	18.1 - 18.4 GHz		

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
FIXED	FIXED		
FIXED-SATELLITE (space-to-earth) 5.484A ADD 5.BC03	FIXED-SATELLITE (space-to-earth) 5.484A		
(earth to space) 5.520	(earth to space) 5.520		
MOBILE	MOBILE		
5.519 5.521	5.519 5.521		
18.4 - 18.6 GHz	18.4 - 18.6 GHz		
FIXED	FIXED		
FIXED-SATELLITE (space-to-earth)	FIXED-SATELLITE (space-to-earth)		
5.484A ADD 5.BC03	5.484A		
MOBILE	MOBILE		
18.6 - 18.8 GHz	18.6 - 18.8 GHz	18.800 - 19.300 GHz	MC 11-8-98: GMPCS
EARTH EXPLORATION-SAT (passive)	FIXED	GMPCS (Space-to-Earth)	GMPCS (Space-to-Earth)
FIXED	FIXED SAT (space-to-Earth) 5.523		
FIXED-SAT (space-to-Earth) 5.522B	MOBILE except aeronautical mobile		
MOBILE except aeronautical mobile	Earth Exploration-Satellite (passive)		
Space Research (passive)	Space Research (passive)		
5.522A	5.522A		
18.8 - 19.3 GHz	18.8 - 19.3 GHz		
FIXED	FIXED		
FIXED SAT (space-to-Earth) 5.523A	FIXED SAT (space-to-Earth) 5.523A		
ADD 5.BC03			
MOBILE	MOBILE		
19.3 - 19.7 GHz	19.3 - 19.7 GHz		
FIXED	FIXED		
FIXED-SAT (space-to-earth) (Earth-to-space)	FIXED-SAT(space-to-earth) 5.532A		
5.523 5.523C 5.523E 5.523D	(Earth-to-space) 5.523B 5.523C		
MOBILE	MOBILE		
19.7 - 20.1 GHz	19.7 - 20.1 GHz		
FIXED-SATELLITE (space-to-earth)	FIXED		
5.484A ADD 5.BC03	MOBILE		
Mobile-Satellite (space-to-earth)	FIXED-SATELLITE (space-to-earth)		
5.524	Mobile-Satellite (space-to-earth)		
	5.524		
20.1 - 20.2 GHz	20.1 - 20.2 GHz		
FIXED-SATELLITE (space-to-earth)	FIXED		
5.484A ADD 5.BC03	MOBILE		
MOBILE-SATELLITE (space-to-earth)	FIXED-SATELLITE (space-to-earth)		
5.524 5.525 5.526 5.527	5.484A		
5.528	MOBILE-SATELLITE (space-to-earth)		
	5.524 5.525 5.526 5.527		
	5.528		
	20.2 - 21.2 GHz		
20.2 - 21.2 GHz	FIXED		
FIXED-SATELLITE (space-to-earth)	MOBILE		
MOBILE-SATELLITE (space-to-earth)	FIXED-SATELLITE (space-to-earth)		
Standard Frequency & Time Signal	MOBILE-SATELLITE (space-to-earth)		

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
(space-to-earth)5.524	Standard Frequency & Time Signal (space-to-earth)5.524		
21.2 - 21.4 GHz	21.2 - 21.4 GHz	21.2 - 23.6 GHz	ITU-R Rec 637
EARTH EXPLORATION SAT (passive)	EARTH EXPLORATION SAT (passive)	Point-to-Point Radio Comm. System	
FIXED	FIXED		
MOBILE	MOBILE		
SPACE RESEARCH (passive)	SPACE RESEARCH (passive)		
21.4 - 22 GHz	21.4 - 22 GHz		
FIXED	FIXED		
MOBILE	MOBILE		
BROADCASTING-SATELLITE	BROADCASTING-SATELLITE		
5.530 5.531	5.53		
22 - 22.21 GHz	22 - 22.21 GHz		
FIXED	FIXED		
MOBILE except aeronautical mobile	MOBILE except aeronautical mobile		
5.149	5.149		
22.21 - 22.5 GHz	22.21 - 22.5 GHz		
EARTH EXPLORATION-SAT (passive)	EARTH EXPLORATION-SAT (passive)		
FIXED	FIXED		
MOBILE except aeronautical mobile	MOBILE except aeronautical mobile		
RADIO ASTRONOMY	RADIO ASTRONOMY		
SPACE RESEARCH (passive)	SPACE RESEARCH (passive)		
5.149 5.532	5.149 5.532		
22.5 - 22.55 GHz	22.5 - 22.55 GHz		
FIXED	FIXED		
MOBILE	MOBILE		
22.55 - 23 GHz	22.55 - 23 GHz		
FIXED	FIXED		
INTER-SATELLITE	INTER-SATELLITE		
MOBILE	MOBILE		
5.149	5.149		
23 - 23.55 GHz	23 - 23.55 GHz		
FIXED	FIXED		
INTER-SATELLITE	INTER-SATELLITE		
MOBILE	MOBILE		
5.149	5.149		
23.55 - 23.6 GHz	23.55 - 23.6 GHz		
FIXED	FIXED		
MOBILE	MOBILE		
23.6 - 24 GHz	23.6 - 24 GHz		5.340: All emissions are prohibited within this band
EARTH EXPLORATION-SAT(passive)	EARTH EXPLORATION-SAT (passive)		
RADIO ASTRONOMY	RADIO ASTRONOMY		
SPACE RESEARCH (passive)	SPACE RESEARCH (passive)		
5.34	5.34		
24 - 24.05 GHz	24 - 24.05 GHz		5.150: The band 24-24.25GHz is a designated ISM band
AMATEUR	AMATEUR		

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
AMATEUR-SATELLITE	AMATEUR-SATELLITE		
5.15	5.15		
24.05 - 24.25 GHz	24.05 - 24.25 GHz		
RADIOLOCATION	RADIOLOCATION		
Amateur	Amateur		
Earth Exploration-Satellite (active)	Earth Exploration-Satellite (active)		
24.25 - 24.45 GHz	24.25 - 24.45 GHz		
RADIONAVIGATION	RADIONAVIGATION		
FIXED	FIXED		
MOBILE	MOBILE		
24.45 - 24.65 GHz	24.45 - 24.65 GHz		
FIXED	FIXED		
INTER-SATELLITE	INTER-SATELLITE		
MOBILE	MOBILE		
RADIONAVIGATION	RADIONAVIGATION		
5.54	5.54		
24.65 - 24.75 GHz	24.65 - 24.75 GHz		
FIXED	FIXED		
INTER-SATELLITE	INTER-SATELLITE		
MOBILE	MOBILE		
5.540 5.541	5.540 5.541		
24.75 - 25.25 GHz	24.75 - 25.25 GHz		
FIXED	FIXED		
FIXED-SATELLITE	FIXED-SATELLITE		
(Earth-to-space) 5.542	(Earth-to-space) 5.542		
MOBILE	MOBILE		
5.541	5.541		
25.25 - 25.50 GHz	25.25 - 25.50 GHz	25.35 - 28.35 GHz	MC 8-10-97
FIXED	FIXED	MultiDistribution System	Allocation shall be shared by voice, data, image and other services
INTER-SATELLITE 5.533	INTER-SATELLITE 5.533		
MOBILE	MOBILE		
Standard Frequency and Time	Standard Frequency and Time		
Signal-Satellite (Earth-to-space)	Signal-Satellite (Earth-to-space)		
25.5-27 GHz	25.5-27 GHz		
EARTH EXPLORATION-SAT (space-to-Earth)	EARTH EXPLORATION-SAT (space-to-Earth)		
5.536A 5.536B	5.536A 5.536B		
FIXED	FIXED		
INTER-SATELLITE 5.536	INTER-SATELLITE 5.536		
SPACE RESEARCH (space to earth)	SPACE RESEARCH (space to earth)		
5.536A ADD 5.BE01	5.536A ADD 5.BE01		
Standard Frequency and Time Signal Satellite	Standard Frequency and Time Signal Satellite		
(Earth to Space)			
27.5 - 28.5 GHz	27.5 - 28.5 GHz		
FIXED 5.537A	FIXED		
FIXED-SAT (Earth-to-space)	FIXED-SAT (Earth-to-space)		
5.484A 5.539 ADD 5.BC03	5.484A 5.539		
MOBILE	MOBILE		

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
5.538 5.540	5.536 5.537 5.537A		
28.5 - 29.1 GHz	28.5 - 29.5 GHz	28.600 - 29.100 GHz	MC 11-8-98: GMPCS
FIXED	FIXED	GMPCS (Earth-to-Space)	
FIXED-SAT (Earth-to-space)	FIXED-SAT (Earth-to-space) 5.539		
5.484A 5.523A 5.539 ADD 5.BC03	MOBILE		
MOBILE			
Earth Exploration-Sat (Earth-to-space) 5.541			
5.54			
29.1 - 29.5 GHz			
FIXED			
FIXED-SATELLITE (Earth-to-space)			
5.523C 5.523E			
5.535A 5.539 5.541A ADD 5.BC03			
MOBILE			
Earth Exploration-Sat (Earth-to-space) 5.541			
5.54			
29.5 -29.9GHz	29.5 - 29.5 GHz		
FIXED-SATELLITE (Earth-to-space)	FIXED-SATELLITE		
5.484A 5.539 ADD 5.BC03	(Earth-to-space) 5.539 ADD 5.BC03		
Earth Exploration-Sat (Earth-to-space) 5.541	Earth Exploration-Sat (Earth-to-space) 5.541		
Mobile-satellite (Earth-to-space)	Mobile-Satellite (Earth-to-space)		
5.540 5.542	5.537 5.543		
29.9 - 30 GHz	29.9 - 30 GHz		
FIXED-SAT(Earth-to-space) 5.484A 5.539	FIXED-SAT (Earth-to-space) 5.484A 5.539		
ADD 5.BC03	ADD 5.BC03		
MOBILE-SATELLITE (Earth-to-space)	MOBILE-SAT(Earth-to-space)		
Earth Exploration-Sat (Earth-to-space) 5.541	Earth Exploration-Sat (Earth-to-space) 5.541		
5.543 5.525 5.526 5.527 5.538 5.540 5.542	5.543 5.525 5.526 5.527 5.538 5.540 5.542		
30 - 31 GHz	30 - 31 GHz		
FIXED-SATELLITE (Earth-to-space)	FIXED-SATELLITE (Earth-to-space)		
MOBILE-SATELLITE (Earth-to-space)	MOBILE-SATELLITE (Earth-to-space)		
Standard Frequency and Time Signal-Satellite (space-to-Earth)	Standard Frequency and Time Signal-Satellite (space-to-Earth)		
5.542	5.542		
31 - 31.3 GHz	31 - 31.3 GHz		
FIXED S5.5RRR	FIXED 5.543A		
MOBILE	MOBILE		
Standard Frequency and Time Signal-Satellite (space-to-Earth)	Standard Frequency and Time Signal-Satellite (space-to-Earth)		
Space Research 5.544 5.545	Space Research 5.544		
5.149			
31.3 - 31.5 GHz	31.3 - 31.5 GHz		5.340: All emissions are prohibited within this band
EARTH EXPLORATION-SAT (passive)	EARTH EXPLORATION-SAT (passive)		
RADIO ASTRONOMY	RADIO ASTRONOMY		
SPACE RESEARCH (passive) 5.340	SPACE RESEARCH (passive) 5.340		
31.5 - 31.8 GHz	31.5 - 31.8 GHz		
EARTH EXPLORATION-SAT(passive)	EARTH EXPLORATION-SAT (passive)		

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
RADIO ASTRONOMY	RADIO ASTRONOMY		
SPACE RESEARCH (passive)	SPACE RESEARCH (passive)		
Fixed	Fixed		
Mobile except aeronautical mobile	Mobile except aeronautical mobile		
5.149	5.149		
31.8 - 32 GHz	31.8 - 32 GHz		
FIXED S5.547A	FIXED S5.547A		
RADIONAVIGATION	RADIONAVIGATION		
SPACE RESEARCH (deep space)	SPACE RESEARCH (deep space)		
(space-to-Earth)	(space-to-Earth)		
5.547 5.548	5.548		
32 - 32.3 GHz	32 - 32.3 GHz		
FIXED S5.547A	FIXED S5.547A		
RADIONAVIGATION	RADIONAVIGATION		
SPACE RESEARCH (deep space)	SPACE RESEARCH (deep space)		
(space-to-Earth)	(space-to-Earth)		
5.547 5.548	5.547 5.548		
32.3 - 33 GHz	32.3 - 33 GHz		
FIXED 5.547A	FIXED 5.547A		
INTER-SATELLITE	INTER-SATELLITE		
RADIONAVIGATION	RADIONAVIGATION		
5.547 5.548	5.547 5.548		
33 - 33.4 GHz	33 - 33.4 GHz		
RADIONAVIGATION	RADIONAVIGATION		
FIXED 5.547A			
5.547 5.547E			
33.4 - 34.2 GHz	33.4 - 34.2 GHz		
RADIOLOCATION	FIXED		
5.549	MOBILE		
	RADIOLOCATION		
	5.549		
34.2 - 34.7 Ghz	34.2 - 34.7 Ghz		
RADIOLOCATION	FIXED		
SPACE RESEARCH (deep space)	MOBILE		
Earth to Space 5.549	RADIOLOCATION		
	SPACE RESEARCH (deep space)		
	Earth to Space 5.549		
34.7 - 35.2 GHz	34.7 - 35.2 GHz		
RADIOLOCATION	FIXED		
Space Research 5.550	MOBILE		
5.549	RADIOLOCATION		
	Space Research 5.550		
	5.549		
35.2 - 35.5 GHz	35.2 - 35.5 GHz		
METEOROLOGICAL AIDS	FIXED		
RADIOLOCATION	MOBILE		
5.549	METEOROLOGICAL AIDS		

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
	RADIOLOCATION		
	5.549 5.551		
35.5 - 36 GHZ	35.5 - 36 GHZ		
METEOROLOGICAL AIDS	METEOROLOGICAL AIDS		
EARTH EXPLORATION-SAT(active)	EARTH EXPLORATION-SAT(active)		
RADIOLOCATION	RADIOLOCATION		
SPACE RESEARCH (active)	SPACE RESEARCH (active)		
5.549 ADD 5.BE02	5.549 ADD 5.BE02		
36 - 37 GHz	36 - 37 GHz		
EARTH EXPLORATION-SAT(passive)	EARTH EXPLORATION-SAT (passive)		
FIXED	FIXED		
MOBILE	MOBILE		
SPACE RESEARCH (passive)	SPACE RESEARCH (passive)		
5.149	5.149		
37 - 37.5 Ghz	37-37.5GHz		
FIXED	FIXED	FIXED	
MOBILE	MOBILE	MOBILE	
SPACE RESEARCH (space-to-Earth)	SPACE RESEARCH (space-to-Earth)	SPACE RESEARCH (space-to-Earth)	
5.547			
37.5 - 38 Ghz	37.5 - 38 Ghz	37.0 - 39.5 GHz	ITU-R Rec 749
FIXED	FIXED	Point-to-Point Radio System	
FIXED-SATELLITE (space-to-Earth)	FIXED-SATELLITE (space-to-Earth)		
MOBILE	MOBILE		
SPACE RESEARCH (space-to-Earth)	SPACE RESEARCH (space-to-Earth)		
Earth Exploration Sat (space-to-Earth)	Earth Exploration Sat (space-to-Earth)		
5.547			
38 - 39.5 Ghz	38 - 39.5 Ghz	38.5 - 42.5 GHz	MC 8-10-97
FIXED	FIXED	MultiDistribution System	Allocation shall be shared by
FIXED-SAT(space-to-Earth)	FIXED-SAT (space-to-Earth)		voice, data, image and other
MOBILE	MOBILE		services
Earth Exploration-Sat (space-to-Earth)	Earth Exploration-Sat (space-to-Earth)		
5.547			
39.5 - 40 GHz	39.5 - 40 GHz		
FIXED	FIXED		
FIXED-SAT (space-to-Earth) ADD 5.BC03	FIXED-SAT(space-to-Earth)		
MOBILE	MOBILE		
MOBILE-SAT (space-to-Earth)	MOBILE-SATspace-to-Earth)		
Earth Exploration-Sat (space-to-Earth)	Earth Exploration-Sat (space-to-Earth)		
5.547			
40 - 40.5 GHz	40 - 40.5 GHz		
EARTH EXPLORATION -SAT(Earth-to-space)	EARTH EXPLORATION -SATEarth-to-space)		
FIXED	FIXED		
FIXED-SAT(space-to-Earth) ADD 5.BC03	FIXED-SAT (space-to-Earth)		
MOBILE	MOBILE		
MOBILE-SAT (space-to-Earth)	MOBILE-SAT (space-to-Earth)		
SPACE RESEARCH (Earth-to-space)	SPACE RESEARCH (Earth-to-space)		
Earth Exploration-Sat (space-to-Earth)	Earth Exploration-Sat (space-to-Earth)		

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
40.5 - 41 GHz	40.5 - 41 GHz		
FIXED	FIXED		
FIXED-SATELLITE (space-to-earth)	FIXED-SATELLITE (space-to-earth)		
BROADCASTING	BROADCASTING		
BROADCASTING-SATELLITE	BROADCASTING-SATELLITE		
Mobile	Mobile		
5.547	5.547		
41 - 42.5 Ghz	40.5 - 42.5 Ghz		
FIXED	BROADCASTING-SATELLITE		
FIXED-SATELLITE (space-to-Earth)	/BROADCASTING/		
ADD 5.BC03			
BROADSCASTING	Fixed		
BROADCASTING-SATELLITE	Mobile		
Mobile			
5.551F 5.547 ADD 5.BC04 ADD 5.BC05			
42.5 - 43.5 GHz	42.5 - 43.5 GHz		
FIXED	FIXED		
FIXED-SATELLITE (Earth-to-space) 5.552	FIXED-SAT (Earth-to-space) 901		
MOBILE except aeronautical mobile	MOBILE except aeronautical mobile		
RADIO ASTRONOMY	RADIO ASTRONOMY		
5.149 5.547	5.149		
43.5 - 47 GHz	43.5 - 47 GHz		
MOBILE 5.553	MOBILE 5.553		
MOBILE-SATELLITE	MOBILE-SATELLITE		
RADIONAVIGATION	RADIONAVIGATION		
RADIONAVIGATION-SAT	RADIONAVIGATION-SAT		
5.554	5.554		
47 - 47.2 GHz	47 - 47.2 GHz		
AMATEUR	AMATEUR		
AMATEUR-SATELLITE	AMATEUR-SATELLITE		
47.2 - 50.2 GHz	47.2 - 50.2 GHz		5.340: All emissions from airborne station are prohibited within the band 48.94-49.04 GHz
FIXED	FIXED		
FIXED-SAT (Earth-to-space) 5.552	FIXED-SAT (Earth-to-space) 5.552		
ADD 5.BC03			
MOBILE	MOBILE 905		
5.149 5.340 5.552A 5.555	5.555 5.149 5.340		
50.2 - 50.4 GHz	50.2 - 50.4 GHz		5.340: All emissions are prohibited within this band except those provided for by No. 5.555A
EARTH EXPLORATION-SAT (passive)	EARTH EXPLORATION-SAT (passive)		
SPACE RESEARCH (passive)	FIXED		
	MOBILE		
5.340 5.555A	SPACE RESEARCH (passive) 5.340		
50.4 - 51.4 GHz	50.2 - 51.4 GHz		
FIXED	FIXED		
FIXED-SAT(Earth-to-space)	FIXED-SAT (Earth-to-space)		
MOBILE	MOBILE		
Mobile-Satellite (Earth-to-space)	Mobile-Satellite (Earth-to-space)		

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
51.4 - 52.6 GHz	52.6GHz		
FIXED	FIXED		
MOBILE	MOBILE		
5.556 5.547	5.556 5.547		
52.6 - 54.25 GHz	52.6--54.25GHz		5.340: All emissions are prohibited within this band
EARTH EXPLORATION-SAT (passive)	EARTH EXPLORATION-SAT (passive)		
SPACE RESEARCH (passive)	SPACE RESEARCH (passive)		
5.340 5.556	5.340 5.556		
54.25 - 55.78 GHz	54.25 - 58.2 GHz		
EARTH EXPLORATION SAT (passive)	EARTH EXPLORATION SAT (passive)		
INTER-SATELLITE 5.556A	FIXED		
SPACE RESEARCH (passive)	INTER-SATELLITE		
	MOBILE 5.558		
	SPACE RESEARCH (passive)		
5.557A	5.557		
55.78 - 56.9 GHz			
EARTH EXPLORATION-SAT (passive)			
FIXED			
INTER-SATELLITE S5.556A			
MOBILE 5.558			
SPACE RESEARCH (passive)			
5.557 5.547			
56.9 - 57 GHz			
EARTH EXPLORATION-SAT (passive)			
FIXED			
INTER-SATELLITE 5.556B			
MOBILE 5.558			
SPACE RESEARCH			
5.557 5.547			
57 - 58.2 GHz			
EARTH EXPLORATION-SAT (passive)			
FIXED			
INTER-SATELLITE 5.556A			
MOBILE			
SPACE RESEARCH			
5.557 5.547			
58.2 - 59 Ghz	58.2 - 59 Ghz		
EARTH EXPLORATION-SAT (passive)	EARTH EXPLORATION-SAT (passive)		
FIXED	SPACE RESEARCH (passive)		
MOBILE	5.556		
SPACE RESEARCH (passive)			
5.556 5.547			
59 - 59.3 GHz			
EARTH EXPLORATION-SAT (passive)			
SPACE RESEARCH (passive)			
FIXED			
INTER-SATELLITE 5.556A			

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
MOBILE 5.558			
RADIOLOCATION 5.559			
59.3 - 64 GHz	59 - 64 GHz		5.138: The band 61.0-61.5GHz is a designated ISM band
FIXED	FIXED		
INTER-SATELLITE	INTER-SATELLITE		
MOBILE 5.558	MOBILE 5.558		
RADIOLOCATION 5.559	RADIOLOCATION 5.559		
5.138	5.138		
64 - 65 GHz	64 - 65 GHz		
FIXED	EARTH EXPLORATION-SAT(passive)		
INTER-SATELLITE	SPACE RESEARCH (passive)		
MOBILE except aeronautical mobile	5.556		
5.556 5.547			
65 - 66 GHz	65 - 66 GHz		
EARTH EXPLORATION-SATELLITE	EARTH EXPLORATION-SATELLITE		
SPACE RESEARCH	SPACE RESEARCH		
INTER-SATELLITE	Fixed		
FIXED	Mobile		
MOBILE except aeronautical mobile			
5.547			
66 - 71 GHz	66 - 71 GHz		
MOBILE 5.553 5.558	MOBILE 5.553		
MOBILE-SATELLITE	MOBILE-SATELLITE		
RADIONAVIGATION	RADIONAVIGATION		
RADIONAVIGATION -SATELLITE	RADIONAVIGATION -SATELLITE		
INTER-SATELLITE	5.554		
5.554			
71 - 74 GHz	71 - 74 GHz		
FIXED	FIXED		
FIXED-SATELLITE (space-to-Earth)	FIXED-SATELLITE (Earth-to-space)		
MOBILE	MOBILE		
MOBILE-SATELLITE (space-to-Earth)	MOBILE-SATELLITE (Earth-to-space)		
	5.556		
74 - 75.5 GHz	74 - 75.5 GHz		
FIXED	FIXED		
FIXED-SATELLITE (space-to-Earth)	FIXED-SATELLITE (Earth-to-space)		
MOBILE	MOBILE		
BROADCASTING	Space Research (space-to-Earth)		
BROADCASTING-SATELLITE			
Space Research (space-to-Earth)			
5.561			
75.5 - 76 GHz	75.5 - 76 GHz		
FIXED	AMATEUR		
FIXED-SATELLITE (space-to-Earth)	AMATEUR-SATELLITE		
MOBILE	Space Research (space-to-Earth)		
BROADCASTING			
BROADCASTING-SATELLITE			

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
Space Research (space-to-Earth)			
5.561 5.EEE			
76 - 77.5 GHz			
RADIO ASTRONOMY			
RADIOLOCATION			
Amateur			
Amateur-Satellite			
Space Research (space-to-Earth)			
5.149			
77.5 - 78 GHz			
AMATEUR			
AMATEUR-SATELLITE			
Radio Astronomy			
Space Research (space-to-Earth)			
5.149 5.560			
78 - 79 GHz			
RADIOLOCATION			
Amateur			
Amateur-Satellite			
Radio Astronomy			
Space Research			
5.149 5.560			
79 - 81 GHz	76 - 81 GHz		
RADIO ASTRONOMY	RADIOLOCATION		
RADIOLOCATION	Amateur		
Amateur	Amateur-Satellite		
Amateur-Satellite	Space Research (space-to-Earth)		
Space Research (space-to-Earth)	5.56		
5.149			
81 - 84 GHz	81 - 84 GHz		
FIXED	FIXED		
FIXED-SATELLITE (Earth-to-space)	FIXED-SATELLITE (space-to-Earth)		
MOBILE	MOBILE		
MOBILE-SATELLITE (Earth-to-space)	MOBILE-SATELLITE (space-to-Earth)		
RADIO ASTRONOMY	Space Research (space-to-Earth)		
Space Research (space-to-Earth)			
5.149 5.DDD			
84 - 86 GHz	84 - 86 GHz		
FIXED	FIXED		
FIXED-SATELLITE (Earth-to-space) 5.PPP	MOBILE		
MOBILE	BROADCASTING		
RADIO ASTRONOMY	BROADCASTING-SATELLITE		
5.149	5.561		
86 - 92 GHz	86 - 92 GHz		5.340: All emissions are prohibited within this band
EARTH EXPLORATION SAT (passive)	EARTH EXPLORATION SAT (passive)		
RADIO ASTRONOMY	RADIO ASTRONOMY		
SPACE RESEARCH (passive)	SPACE RESEARCH (passive)		

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
92 - 94 GHz	92 - 95 GHz		
FIXED	FIXED		
MOBILE	FIXED-SATELLITE (Earth-to-space)		
RADIO ASTRONOMY	MOBILE		
RADIOLOCATION	RADIOLOCATION		
5.149			
94 - 94.1 GHz			
EARTH EXPLORATION-SAT(active)			
RADIOLOCATION			
SPACE RESEARCH (active)			
Radio Astronomy			
5.562 5.FFF			
94.1 - 95 GHz			
FIXED			
MOBILE			
RADIO ASTRONOMY			
RADIOLOCATION			
5.149			
95 - 100 GHz	95 - 100 GHz		
FIXED	MOBILE 5.553		
MOBILE	MOBILE-SATELLITE		
RADIO ASTRONOMY	RADIONAVIGATION		
RADIOLOCATION	RADIONAVIGATION-SATELLITE		
RADIONAVIGATION	Radiolocation		
RADIONAVIGATION - SATELLITE	5.554 5.555		
5.149 5.554			
100 - 102 GHz	100 - 102 GHz		5.340: All emissions are prohibited within this band
EARTH EXPLORATION-SAT(passive)	EARTH EXPLORATION-SAT(passive)		
RADIO ASTRONOMY	FIXED		
SPACE RESEARCH (passive)	MOBILE		
	SPACE RESEARCH (passive)		
5.340 5.341	5.341		
102 - 105 GHz	102 - 105 GHz		
FIXED	FIXED		
MOBILE	FIXED-SAT (space-to-Earth)		
RADIO ASTRONOMY	MOBILE		
5.149 5.341	5.341		
105 - 109.5 GHz			
FIXED			
MOBILE			
RADIO ASTRONOMY			
SPACE RESEARCH (passive) 5.CCA			
5.149 5.341			
109.5 - 111.8 GHz	109.5 - 111.8 GHz		5.340: All emissions are prohibited within this band
EARTH EXPLORATION-SAT (passive)	EARTH EXPLORATION-SAT (passive)		
RADIO ASTRONOMY	RADIO ASTRONOMY		
SPACE RESEARCH (passive)	SPACE RESEARCH (passive)		

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
5.340 5.341	5.340 5.341		
111.8 - 114.25 GHz			
FIXED			
MOBILE			
RADIO ASTRONOMY			
SPACE RESEARCH (passive) 5.CCA			
5.149 5.341			
114.25 - 116 GHz	114.25 - 116 GHz		5.340: All emissions are prohibited within this band
EARTH EXPLORATION-SAT (passive)	EARTH EXPLORATION-SAT(passive)		
RADIO ASTRONOMY	RADIO ASTRONOMY		
SPACE RESEARCH (passive)	SPACE RESEARCH (passive)		
5.340 5.341	5.341		
116 - 119.98 GHz			
EARTH EXPLORATION-SAT (passive)			
INTER-SATELLITE S5.XXY			
SPACE RESEARCH (passive)			
5.341			
119.98 - 120.02 GHz	116 - 126 GHz		
EARTH EXPLORATION-SAT (passive)	EARTH EXPLORATION-SAT (passive)		
INTER-SATELLITE S5.XXY	FIXED		
SPACE RESEARCH (passive)	INTER-SATELLITE		
	MOBILE 5.558		
5.341	5.341 5.562		
120.02 - 122.25 GHz			5.138: The band 120-123GHz is designated as an ISM band
EARTH EXPLORATION-SAT(passive)			
INTER-SATELLITE S5.XXY			
SPACE RESEARCH (passive)			
5.138			
122.5 - 123 GHz			
FIXED			
INTER-SATELLITE			
MOBILE 5.558			
Amateur			
5.138			
123 - 126 GHz			
FIXED-SATELLITE (space-to-Earth)			
MOBILE-SATELLITE (space-to-Earth)			
RADIONAVIGATION			
RADIONAVIGATION-SATELLITE			
Radio Astronomy			
5.554			
126 - 130 GHz			
FIXED-SATELLITE (space-to-Earth)			
MOBILE-SATELLITE (space-to-Earth)			
RADIONAVIGATION			
RADIONAVIGATION-SATELLITE			
Radio Astronomy 5.QQQ			

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
5.149 5.554			
130 - 134 GHz	126 - 134 GHz		
EARTH EXPLORATION-SAT(active) S5.LLL	FIXED		
FIXED	INTER-SATELLITE		
INTER-SATELLITE	MOBILE 5.558		
MOBILE 5.558	RADIOLOCATION 5.559		
RADIO ASTRONOMY			
5.149 5.FFF			
134 - 136 GHz	134 - 136 GHz		
AMATEUR	AMATEUR		
AMATEUR-SATELLITE	AMATEUR-SATELLITE		
Radio Astronomy	Radio Astronomy		
136 - 141 GHz	136 - 141 GHz		
RADIO ASTRONOMY	RADIO ASTRONOMY		
RADIOLOCATION	RADIOLOCATION		
Amateur	Amateur		
Amateur-Satellite	Amateur-Satellite		
5.149	5.149		
141 - 148.5 GHz			
FIXED			
MOBILE			
RADIO ASTRONOMY			
RADIOLOCATION			
5.149			
148 - 151.5 GHz	148 - 151.5 GHz		5.340: All emissions are prohibited within this band
EARTH EXPLORATION-SAT (passive)	EARTH EXPLORATION-SAT (passive)		
RADIO ASTRONOMY	RADIO ASTRONOMY		
SPACE RESEARCH (passive)	SPACE RESEARCH (passive)		
5.34	5.34		
151.5 - 155.5 GHz			
FIXED			
MOBILE			
RADIO ASTRONOMY			
RADIOLOCATION			
5.149			
155.5 - 158.5 GHz			
EARTH EXPLOR A2574 SAT (passive) 5.AAB			
FIXED			
MOBILE			
RADIO ASTRONOMY			
SPACE RESEARCH (passive) 5.CCA			
5.149 5.BBA			
158.5 - 164 GHz			
FIXED			
FIXED-SATELLITE (space-to-Earth)			
MOBILE			
MOBILE-SATELLITE (space-to-Earth)			

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
164 - 167 GHz	164 - 167 GHz		5.340: All emissions are prohibited within this band
EARTH EXPLORATION-SATELLITE (passive)	EARTH EXPLORATION-SATELLITE (passive)		
RADIO ASTRONOMY	RADIO ASTRONOMY		
SPACE RESEARCH (passive)	SPACE RESEARCH (passive)		
5.34	5.34		
167 - 168 GHz	156 - 158 GHz		
FIXED	EARTH EXPLORATION-SAT (passive)		
FIXED-SATELLITE	FIXED		
INTER-SATELLITE	FIXED-SATELLITE (space-to-Earth)		
MOBILE 5.558	MOBILE		
168 - 170 GHz			
FIXED			
FIXED-SATELLITE (space-to-Earth)			
INTER-SATELLITE			
MOBILE 5.558			
5.149			
170 - 174.5 GHz			
FIXED			
FIXED-SATELLITE (space-to-Earth)			
INTER-SATELLITE			
MOBILE 5.558			
5.149 5.QQQ			
174.5 - 174.8 GHz			
FIXED			
INTER-SATELLITE			
MOBILE 5.558			
174.8- 182 GHz			
EARTH EXPLORATION-SAT(passive)			
INTER-SATELLITE 5.YYY			
SPACE RESEARCH (passive)			
182 - 185 GHz	182 - 185 GHz		5.340: All emissions are prohibited within this band except those provided for by No. 5.563
EARTH EXPLORATION-SAT(passive)	EARTH EXPLORATION-SAT (passive)		
RADIO ASTRONOMY	RADIO ASTRONOMY		
SPACE RESEARCH (passive)	SPACE RESEARCH (passive)		
5.563	5.563 5.340		
185 - 190 GHz	185 - 190 GHz		
EARTH EXPLORATION-SAT (passive)	EARTH EXPLORATION-SAT (passive)		
INTER-SATELLITE 5.562H	INTER-SATELLITE 5.562H		
SPACE RESEARCH (passive)	SPACE RESEARCH (passive)		
190 - 191.8 GHz	190 - 191.8 GHz		5.340: All emissions are prohibited within this band
EARTH EXPLORATION-SAT (passive)	EARTH EXPLORATION-SAT (passive)		
SPACE RESEARCH (passive)	SPACE RESEARCH (passive)		
5.34	5.34		
191.8 - 200 GHz			
FIXED			
INTER-SATELLITE			
MOBILE 5.558			

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
MOBILE-SATELLITE			
RADIONAVIGATION			
RADIONAVIGATION-SATELLITE			
5.149 5.341 5.554			
200 - 202 GHz	200 - 202 GHz		5.340: All emissions are prohibited within this band
EARTH EXPLORATION-SAT (passive)	EARTH EXPLORATION-SAT (passive)		
RADIO ASTRONOMY	RADIO ASTRONOMY		
SPACE RESEARCH (passive)	SPACE RESEARCH (passive)		
5.340 5.341 5.563A	5.340 5.341 5.563A		
202 - 209 GHz	202 - 209 GHz		5.340: All emissions are prohibited within this band
EARTH EXPLORATION-SAT (passive)	EARTH EXPLORATION-SAT (passive)		
RADIO ASTRONOMY	RADIO ASTRONOMY		
SPACE RESEARCH (passive)	SPACE RESEARCH (passive)		
5.340 5.341 5.563A	5.340 5.341 5.563A		
209 - 217 GHz	202 - 217 GHz		
FIXED	FIXED		
FIXED-SATELLITE (Earth-to-space)	FIXED-SATELLITE (Earth-to-space)		
MOBILE	MOBILE		
RADIO ASTRONOMY			
5.149 5.341	5.341		
217 - 226 GHz			
FIXED			
FIXED-SATELLITE (Earth-to-space)			
MOBILE			
RADIO ASTRONOMY			
SPACE RESEARCH (passive) 5.CCA			
5.149 5.341			
226 - 231.5 GHz	217 - 231 GHz		5.340: All emissions are prohibited within this band
EARTH EXPLORATION-SAT (passive)	EARTH EXPLORATION-SAT (passive)		
RADIO ASTRONOMY	RADIO ASTRONOMY		
SPACE RESEARCH (passive)	SPACE RESEARCH (passive)		
5.34	5.340 5.341		
231.5 - 232 GHz			
FIXED			
MOBILE			
Radiolocation			
232 - 235 GHz	231 - 235 GHz		
FIXED	FIXED		
FIXED-SATELLITE (space-to-Earth)	FIXED-SATELLITE (space-to-Earth)		
MOBILE	MOBILE		
Radiolocation	Radiolocation		
235 - 238 GHz	235 - 238 GHz		
EARTH EXPLORATION-SAT (passive)	EARTH EXPLORATION-SAT (passive)		
FIXED-SAT (space-to-Earth)	FIXED		
SPACE RESEARCH (passive)	FIXED-SAT (space-to-Earth)		
	MOBILE		
5.563A 5.563B	SPACE RESEARCH (passive)		

INTERNATIONAL (ITU) FREQUENCY ALLOCATIONS (REGION 3)	NATIONAL (NTC) FREQUENCY ALLOCATIONS	CHANNEL PLAN	REMARKS
238 - 240 GHz			
FIXED			
FIXED-SATELLITE (space-to-Earth)			
MOBILE			
RADIOLOCATION			
RADIONAVIGATION			
RADIONAVIGATION-SATELLITE			
240 - 241 GHz	238 - 241 GHz		
FIXED	FIXED		
MOBILE	FIXED-SAT(space-to-Earth)		
Radiolocation	MOBILE		
	Radiolocation		
241 - 248 GHz	241 - 248 GHz		5.138: The band 244-246GHz is a designated ISM band
RADIO ASTRONOMY	RADIOLOCATION		
RADIOLOCATION	Amateur		
Amateur	Amateur-Satellite		
Amateur-Satellite	5.138		
5.138 5.149			
248 - 250 GHz	248 - 250 GHz		
AMATEUR	AMATEUR		
AMATEUR-SATELLITE 5.149	AMATEUR-SATELLITE 5.149		
Radio Astronomy			
250 - 252 GHz	250 - 252 GHz		5.340: All emissions are prohibited within this band
EARTH EXPLORATION-SAT (passive)	EARTH EXPLORATION-SAT (passive)		
RADIO ASTRONOMY	SPACE RESEARCH (passive)		
SPACE RESEARCH (passive)			
5.340 5.563A			
252 - 265 GHz	252 - 265 GHz		
FIXED	MOBILE 5.553		
MOBILE	MOBILE-SATELLITE		
MOBILE-SATELLITE (Earth-to-space)	RADIONAVIGATION		
RADIO ASTRONOMY	RADIONAVIGATION-SATELLITE		
RADIONAVIGATION			
RADIONAVIGATION-SATELLITE	5.554 5.564		
5.149 5.554			
265 - 275 GHz	265 - 275 GHz		
FIXED	FIXED		
FIXED-SATELLITE (Earth-to-space)	FIXED-SATELLITE (Earth-to-space)		
MOBILE	MOBILE		
RADIO ASTRONOMY			
5.149 5.563A	RADIO ASTRONOMY		
275 - 400 GHz	275 - 400 GHz		
(NOT ALLOCATED) 5.565	(NOT ALLOCATED) 5.565		