



Horizon COMPACT Plus™

Wireless Ethernet
Release 1.0.1

Product Manual - Volume 3
Frequency Tables
Version 1.1

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Table of Contents

1.0	USER MANUAL STRUCTURE.....	1
1.1	FREQUENCY TABLES SUPPORTED	1
2.0	LOWER 6 GHz FREQUENCY TABLES	3
3.0	UPPER 6 GHz FREQUENCY TABLES	5
4.0	LOWER 7 GHz FREQUENCY TABLES	7
5.0	UPPER 7 GHz FREQUENCY TABLES	11
6.0	LOWER 8 GHz FREQUENCY TABLES	15
7.0	UPPER 8 GHz FREQUENCY TABLES	19
8.0	7 - 8 GHz FREQUENCY TABLES	21
9.0	10.5 GHz FREQUENCY TABLES	25
10.0	11 GHz FREQUENCY TABLES	27
11.0	13 GHz FREQUENCY TABLES	31
12.0	15 GHz FREQUENCY TABLES	35
13.0	18 GHz FREQUENCY TABLES	47
14.0	23 GHz FREQUENCY TABLES	63
15.0	24 GHz FREQUENCY TABLES	89
16.0	26 GHz FREQUENCY TABLES	91
17.0	28 GHz FREQUENCY TABLES	97
18.0	31 GHz FREQUENCY TABLES	105
19.0	32 GHz FREQUENCY TABLES	107
20.0	38 GHz APNG FREQUENCY TABLES	111
21.0	56 GHz FREQUENCY TABLES	121
22.0	58 GHz FREQUENCY TABLES	123

1.0 User Manual Structure

This user manual is divided into three volumes:

- Volume 1 – Contains an overview of the product, basic configuration, installation and the alignment procedures that are sufficient to set up a link and have it passing traffic. Also, a brief description of the advanced configuration features.
- Volume 2 – includes step-by-step configuration details for the advanced configuration features that are described briefly in Volume 1
- Volume 3 (this volume) – contains a complete list of the frequency tables associated with the radio bands supported, and soon to be supported, by the Horizon Compact Plus
- Volume 4 - contains configuration details relating to industry standard networking features.

1.1 Frequency Tables Supported

The frequency tables that are shown **shaded** in grey are not supported in this release of the Horizon Compact Plus.

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2.0 Lower 6 GHz Frequency Tables

Table-2-1 Lower 6 GHz FCC (1) 10 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	5935.32	6187.36	1'	6187.36	5935.32
2	5945.2	6197.24	2'	6197.24	5945.2
3	5955.08	6207.12	3'	6207.12	5955.08
4	5964.97	6217.01	4'	6217.01	5964.97
5	5974.85	6226.89	5'	6226.89	5974.85
6	5984.73	6236.77	6'	6236.77	5984.73
7	5994.62	6246.66	7'	6246.66	5994.62
8	6004.5	6256.54	8'	6256.54	6004.5
9	6014.38	6266.42	9'	6266.42	6014.38
10	6024.27	6276.31	10'	6276.31	6024.27
11	6034.15	6286.19	11'	6286.19	6034.15
12	6044.03	6296.07	12'	6296.07	6044.03

Table-2-2 Lower 6 GHz FCC (2) 10 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
12	6044.03	6296.07	12'	6296.07	6044.03
13	6053.92	6305.96	13'	6305.96	6053.92
14	6063.8	6315.84	14'	6315.84	6063.8
15	6073.68	6325.72	15'	6325.72	6073.68
16	6083.57	6335.61	16'	6335.61	6083.57
17	6093.45	6345.49	17'	6345.49	6093.45
18	6103.33	6355.37	18'	6355.37	6103.33
19	6113.22	6365.26	19'	6365.26	6113.22
20	6123.1	6375.14	20'	6375.14	6123.1
21	6132.98	6385.02	21'	6385.02	6132.98
22	6142.87	6394.91	22'	6394.91	6142.87
23	6152.75	6404.79	23'	6404.79	6152.75
24	6162.63	6414.67	24'	6414.67	6162.63

Table-2-3 Lower 6 GHz Russian Federation (1) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	5941	6207	1'	6207	5941
2	5969	6235	2'	6235	5969
3	5997	6263	3'	6263	5997
4	6025	6291	4'	6291	6025

Table-2-4 Lower 6 GHz Russian Federation (2) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
5	6053	6319	5'	6319	6053
6	6081	6347	6'	6347	6081
7	6109	6375	7'	6375	6109
8	6137	6403	8'	6403	6137

Table-2-5 Lower 6 GHz ITU-R F.383-7 (1)/FCC/ETSI 29.65 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	5945.2	6197.24	1'	6197.24	5945.2
2	5974.85	6226.89	2'	6226.89	5974.85
3	6004.5	6256.54	3'	6256.54	6004.5
4	6034.15	6286.19	4'	6286.19	6034.15

Table-2-6 Lower 6 GHz ITU-R F.383-7 (2) 29.65 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
5	6063.8	6315.84	5'	6315.84	6063.8
6	6093.45	6345.49	6'	6345.49	6093.45
7	6123.1	6375.14	7'	6375.14	6123.1
8	6152.75	6404.79	8'	6404.79	6152.75

Table-2-7 Lower 6 GHz IC/AUS/NZ (1) Interleaved 29.65 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	5930.37	6182.41	1'	6182.41	5930.37
2	5960.02	6212.06	2'	6212.06	5960.02
3	5989.67	6241.71	3'	6241.71	5989.67
4	6019.32	6271.36	4'	6271.36	6019.32

Table-2-8 Lower 6 GHz IC/AUS/NZ (2) Interleaved 29.65 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
5	6048.97	6301.01	5'	6301.01	6048.97
6	6078.62	6330.66	6'	6330.66	6078.62
7	6108.27	6360.31	7'	6360.31	6108.27
8	6137.92	6389.96	8'	6389.96	6137.92

Table-2-9 Lower 6 GHz ITU F.383 Annex 1 (1) 60 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	5955	6215	1'	6215	5955
2	6015	6275	2'	6275	6015

Table-2-10 Lower 6 GHz ITU F.383 Annex 1 (2) 60 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
3	6075	6335	3'	6335	6075
4	6135	6395	4'	6395	6135

3.0 Upper 6 GHz Frequency Tables

Table 3-1 Upper 6 GHz FCC (3) 10 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	6545	6715	1'	6715	6545
2	6555	6725	2'	6725	6555
3	6565	6735	3'	6735	6565
4	6585	6745	4'	6745	6585
5	6595	6755	5'	6755	6595
6	6605	6765	6'	6765	6605
7	6615	6775	7'	6775	6615
8	6625	6785	8'	6785	6625

Table 3-2 Upper 6 GHz FCC (4) 10 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
9	6635	6795	9'	6795	6635
10	6645	6805	10'	6805	6645
11	6655	6815	11'	6815	6655
12	6665	6825	12'	6825	6665
13	6675	6835	13'	6835	6675
14	6685	6845	14'	6845	6685
15	6695	6855	15'	6855	6695
16	6705	6865	16'	6865	6705

Table-3-3 Upper 6 GHz ITU-R F.384-8/ETSI (1) 20 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	6440	6780	1'	6780	6440
2	6460	6800	2'	6800	6460
3	6480	6820	3'	6820	6480
4	6500	6840	4'	6840	6500
5	6520	6860	5'	6860	6520
6	6540	6880	6'	6880	6540
7	6560	6900	7'	6900	6560
8	6580	6920	8'	6920	6580

Table-3-4 Upper 6 GHz ITU-R F.384-8/ETSI (2) 20 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
9	6600	6940	9'	6940	6600
10	6620	6960	10'	6960	6620
11	6640	6980	11'	6980	6640
12	6660	7000	12'	7000	6660
13	6680	7020	13'	7020	6680
14	6700	7040	14'	7040	6700
15	6720	7060	15'	7060	6720
16	6740	7080	16'	7080	6740

Table-3-5 Upper 6 GHz ITU-R F.384-8 (1) 30 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	6460	6800	1'	6800	6460
2	6490	6830	2'	6830	6490
3	6520	6860	3'	6860	6520
4	6550	6890	4'	6890	6550
5	6580	6920	5'	6920	6580

Table-3-6 Upper 6 GHz ITU-R F.384-8 (2) 30 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
6	6610	6950	6'	6950	6610
7	6640	6980	7'	6980	6640
8	6670	7010	8'	7010	6670
9	6700	7040	9'	7040	6700
10	6730	7070	10'	7070	6730

Table-3-7 Upper 6 GHz ITU-R F.384-8/ETSI (1) 40 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	6460	6800	1'	6800	6460
2	6500	6840	2'	6840	6500
3	6540	6880	3'	6880	6540
4	6580	6920	4'	6920	6580

Table 3-8 Upper 6 GHz ITU-R F.384-8/ETSI (2) 40 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
5	6620	6960	5'	6960	6620
6	6660	7000	6'	7000	6660
7	6700	7040	7'	7040	6700
8	6740	7080	8'	7080	6740

4.0 Lower 7 GHz Frequency Tables

Table-4-1 Lower 7 GHz ETSI (1) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	7131.5	7285.5	1'	7285.5	7131.5
2	7138.5	7292.5	2'	7292.5	7138.5
3	7145.5	7299.5	3'	7299.5	7145.5
4	7152.5	7306.5	4'	7306.5	7152.5
5	7159.5	7313.5	5'	7313.5	7159.5
6	7166.5	7320.5	6'	7320.5	7166.5
7	7173.5	7327.5	7'	7327.5	7173.5
8	7180.5	7334.5	8'	7334.5	7180.5

Table-4-2 Lower 7 GHz ETSI (2) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
9	7187.5	7341.5	9'	7341.5	7187.5
10	7194.5	7348.5	10'	7348.5	7194.5
11	7201.5	7355.5	11'	7355.5	7201.5
12	7208.5	7362.5	12'	7362.5	7208.5
13	7215.5	7369.5	13'	7369.5	7215.5
14	7222.5	7376.5	14'	7376.5	7222.5
15	7229.5	7383.5	15'	7383.5	7229.5
16	7236.5	7390.5	16'	7390.5	7236.5
17	7243.5	7397.5	17'	7397.5	7243.5
18	7250.5	7404.5	18'	7404.5	7250.5
19	7257.5	7411.5	19'	7411.5	7257.5
20	7264.5	7418.5	20'	7418.5	7264.5

Table-4-3 Lower 7 GHz Mexico/ITU F.385-7 (1) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	7128	7289	1'	7289	7128
2	7135	7296	2'	7296	7135
3	7142	7303	3'	7303	7142
4	7149	7310	4'	7310	7149
5	7156	7317	5'	7317	7156
6	7163	7324	6'	7324	7163
7	7170	7331	7'	7331	7170
8	7177	7338	8'	7338	7177

Table-4-4 Lower 7 GHz Mexico/ITU F.385-7 (2) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
9	7184	7345	9'	7345	7184
10	7191	7352	10'	7352	7191
11	7198	7359	11'	7359	7198
12	7205	7366	12'	7366	7205
13	7212	7373	13'	7373	7212
14	7219	7380	14'	7380	7219
15	7226	7387	15'	7387	7226
16	7233	7394	16'	7394	7233

Table-4-5 Lower 7 GHz ETSI (1) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	7135	7289	1'	7289	7135
2	7149	7303	2'	7303	7149
3	7163	7317	3'	7317	7163
4	7177	7331	4'	7331	7177

Table-4-6 Lower 7 GHz ETSI (2) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
5	7191	7345	5'	7345	7191
6	7205	7359	6'	7359	7205
7	7219	7373	7'	7373	7219
8	7233	7387	8'	7387	7233
9	7247	7401	9'	7401	7247
10	7261	7415	10'	7415	7261

Table-4-7 Lower 7 GHz Mexico / ITU F.385-7 (1) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	7131.5	7292.5	1'	7292.5	7131.5
2	7145.5	7306.5	2'	7306.5	7145.5
3	7159.5	7320.5	3'	7320.5	7159.5
4	7173.5	7334.5	4'	7334.5	7173.5

Table-4-8 Lower 7 GHz Mexico / ITU F.385-7 (2) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
5	7187.5	7348.5	5'	7348.5	7187.5
6	7201.5	7362.5	6'	7362.5	7201.5
7	7215.5	7376.5	7'	7376.5	7215.5
8	7229.5	7390.5	8'	7390.5	7229.5

Table-4-9 Lower 7 GHz ETSI (1) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	7142	7296	1'	7296	7142
2	7170	7324	2'	7324	7170

Table-4-10 Lower 7 GHz ETSI (2) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
3	7198	7352	3'	7352	7198
4	7226	7380	4'	7380	7226
5	7254	7408	5'	7408	7254

Table-4-11 Lower 7 GHz Mexico / ITU F.385-7 (1) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	7138.5	7299.5	1'	7299.5	7138.5
2	7166.5	7327.5	2'	7327.5	7166.5

Table-4-12 Lower 7 GHz Mexico / ITU F.385-7 (2) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
3	7194.5	7355.5	3'	7355.5	7194.5
4	7222.5	7383.5	4'	7383.5	7222.5

Table-4-13 Lower 7 GHz ITU F.385-7 Annex 3 (1) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	7121	7289	1'	7289	7121
2	7149	7317	2'	7317	7149
3	7177	7345	3'	7345	7177

Table-4-14 Lower 7 GHz ITU F.385-7 Annex 3 (2) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
4	7205	7373	4'	7373	7205
5	7233	7401	5'	7401	7233

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5.0 Upper 7 GHz Frequency Tables

Table-5-1 Upper 7 GHz ETSI / ITU F.385-7 Annex 1 (1) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	7431.5	7585.5	1'	7585.5	7431.5
2	7438.5	7592.5	2'	7592.5	7438.5
3	7445.5	7599.5	3'	7599.5	7445.5
4	7452.5	7606.5	4'	7606.5	7452.5
5	7459.5	7613.5	5'	7613.5	7459.5
6	7466.5	7620.5	6'	7620.5	7466.5
7	7473.5	7627.5	7'	7627.5	7473.5
8	7480.5	7634.5	8'	7634.5	7480.5
9	7487.5	7641.5	9'	7641.5	7487.5
10	7494.5	7648.5	10'	7648.5	7494.5
11	7501.5	7655.5	11'	7655.5	7501.5
12	7508.5	7662.5	12'	7662.5	7508.5

Table-5-2 Upper 7 GHz ETSI / ITU F.385-7 Annex 1 (2) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
13	7515.5	7669.5	13'	7669.5	7515.5
14	7522.5	7676.5	14'	7676.5	7522.5
15	7529.5	7683.5	15'	7683.5	7529.5
16	7536.5	7690.5	16'	7690.5	7536.5
17	7543.5	7697.5	17'	7697.5	7543.5
18	7550.5	7704.5	18'	7704.5	7550.5
19	7557.5	7711.5	19'	7711.5	7557.5
20	7564.5	7718.5	20'	7718.5	7564.5

Table-5-3 Upper 7 GHz New Zealand / ITU F.385-7 (1) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	7428	7589	1'	7589	7428
2	7435	7596	2'	7596	7435
3	7442	7603	3'	7603	7442
4	7449	7610	4'	7610	7449
5	7456	7617	5'	7617	7456
6	7463	7624	6'	7624	7463
7	7470	7631	7'	7631	7470
8	7477	7638	8'	7638	7477
9	7484	7645	9'	7645	7484
10	7491	7652	10'	7652	7491
11	7498	7659	11'	7659	7498
12	7505	7666	12'	7666	7505

Table-5-4 Upper 7 GHz New Zealand / ITU F.385-7 (2) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
13	7512	7673	13'	7673	7512
14	7519	7680	14'	7680	7519
15	7526	7687	15'	7687	7526
16	7533	7694	16'	7694	7533
17	7540	7701	17'	7701	7540
18	7547	7708	18'	7708	7547
19	7554	7715	19'	7715	7554
20	7561	7722	20'	7722	7561

Table-5-5 Upper 7 GHz Mexico (1) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	7456	7617	1'	7617	7456
2	7463	7624	2'	7624	7463
3	7470	7631	3'	7631	7470
4	7477	7638	4'	7638	7477
5	7484	7645	5'	7645	7484
6	7491	7652	6'	7652	7491
7	7498	7659	7'	7659	7498
8	7505	7666	8'	7666	7505

Table-5-6 Upper 7 GHz Mexico (2) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
9	7512	7673	9'	7673	7512
10	7519	7680	10'	7680	7519
11	7526	7687	11'	7687	7526
12	7533	7694	12'	7694	7533
13	7540	7701	13'	7701	7540
14	7547	7708	14'	7708	7547
15	7554	7715	15'	7715	7554
16	7561	7722	16'	7722	7561

Table-5-7 Upper 7 GHz ETSI / ITU F.385-7 Annex 1 (1) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	7435	7589	1'	7589	7435
2	7449	7603	2'	7603	7449
3	7463	7617	3'	7617	7463
4	7477	7631	4'	7631	7477
5	7491	7645	5'	7645	7491
6	7505	7659	6'	7659	7505

Table-5-8 Upper 7 GHz ETSI / ITU F.385-7 Annex 1 (2) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
7	7519	7673	7'	7673	7519
8	7533	7687	8'	7687	7533
9	7547	7701	9'	7701	7547
10	7561	7715	10'	7715	7561

Table-5-9 Upper 7 GHz Mexico / ITU F.385-7 (1) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	7459.5	7620.5	1'	7620.5	7459.5
2	7473.5	7634.5	2'	7634.5	7473.5
3	7487.5	7648.5	3'	7648.5	7487.5
4	7501.5	7662.5	4'	7662.5	7501.5

Table-5-10 Upper 7 GHz Mexico / ITU F.385-7 (2) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
5	7515.5	7676.5	5'	7676.5	7515.5
6	7529.5	7690.5	6'	7690.5	7529.5
7	7543.5	7704.5	7'	7704.5	7543.5
8	7557.5	7718.5	8'	7718.5	7557.5

Table-5-11 Upper 7 GHz ETSI / ITU F.385-7 Annex 1 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	7442	7596	1'	7596	7442
2	7470	7624	2'	7624	7470
3	7498	7652	3'	7652	7498

Table-5-12 Upper 7 GHz ETSI / ITU F.385-7 Annex 1 (2) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
4	7526	7680	4'	7680	7526
5	7554	7708	5'	7708	7554

Table-5-13 Upper 7 GHz Mexico / ITU F.385-7 (1) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	7466.5	7627.5	1'	7627.5	7466.5
2	7494.5	7655.5	2'	7655.5	7494.5

Table-5-14 Upper 7 GHz Mexico / ITU F.385-7 (2) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
3	7522.5	7683.5	3'	7683.5	7522.5
4	7550.5	7711.5	4'	7711.5	7550.5

Table-5-15 Upper 7 GHz ITU F.385-7 Annex 3 (1) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	7457	7625	1'	7625	7457
2	7485	7653	2'	7653	7485

Table-5-16 Upper 7 GHz ITU-R F.385-7 Annex 3 (2) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
3	7513	7681	3'	7681	7513
4	7541	7709	4'	7709	7541
5	7569	7737	5'	7737	7569

Table-5-17 Upper 7 GHz New Zealand (1) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	7435	7596	1'	7596	7435
2	7463	7624	2'	7624	7463
3	7491	7652	3'	7652	7491

Table-5-18 Upper 7 GHz New Zealand (2) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
4	7519	7680	4'	7680	7519
5	7547	7708	5'	7708	7547

6.0 Lower 8 GHz Frequency Tables

Table-6-1 Lower 8 GHz ETSI (1) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	7908.5	8218.5	1'	8218.5	7908.5
2	7915.5	8225.5	2'	8225.5	7915.5
3	7922.5	8232.5	3'	8232.5	7922.5
4	7929.5	8239.5	4'	8239.5	7929.5
5	7936.5	8246.5	5'	8246.5	7936.5
6	7943.5	8253.5	6'	8253.5	7943.5
7	7950.5	8260.5	7'	8260.5	7950.5
8	7957.5	8267.5	8'	8267.5	7957.5
9	7964.5	8274.5	9'	8274.5	7964.5
10	7971.5	8281.5	10'	8281.5	7971.5
11	7978.5	8288.5	11'	8288.5	7978.5
12	7985.5	8295.5	12'	8295.5	7985.5

Table-6-2 Lower 8 GHz ETSI (2) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
13	7992.5	8302.5	13'	8302.5	7992.5
14	7999.5	8309.5	14'	8309.5	7999.5
15	8006.5	8316.5	15'	8316.5	8006.5
16	8013.5	8323.5	16'	8323.5	8013.5
17	8020.5	8330.5	17'	8330.5	8020.5
18	8027.5	8337.5	18'	8337.5	8027.5
19	8034.5	8344.5	19'	8344.5	8034.5
20	8041.5	8351.5	20'	8351.5	8041.5
21	8048.5	8358.5	21'	8358.5	8048.5
22	8055.5	8365.5	22'	8365.5	8055.5

Table-6-3 Lower 8 GHz ETSI (3) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
21	8048.5	8358.5	21'	8358.5	8048.5
22	8055.5	8365.5	22'	8365.5	8055.5
23	8062.5	8372.5	23'	8372.5	8062.5
24	8069.5	8379.5	24'	8379.5	8069.5
25	8076.5	8386.5	25'	8386.5	8076.5
26	8083.5	8393.5	26'	8393.5	8083.5
27	8090.5	8400.5	27'	8400.5	8090.5
28	8097.5	8407.5	28'	8407.5	8097.5
29	8104.5	8414.5	29'	8414.5	8104.5
30	8111.5	8421.5	30'	8421.5	8111.5
31	8118.5	8428.5	31'	8428.5	8118.5
32	8125.5	8435.5	32'	8435.5	8125.5
33	8132.5	8442.5	33'	8442.5	8132.5
34	8139.5	8449.5	34'	8449.5	8139.5
35	8146.5	8456.5	35'	8456.5	8146.5
36	8153.5	8463.5	36'	8463.5	8153.5
37	8160.5	8470.5	37'	8470.5	8160.5
38	8167.5	8477.5	38'	8477.5	8167.5
39	8174.5	8484.5	39'	8484.5	8174.5
40	8181.5	8491.5	40'	8491.5	8181.5

Table-6-4 Lower 8 GHz ITU-R F.386-6 Annex 4 / Russia (1) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	7912	8178	1'	8178	7912
2	7919	8185	2'	8185	7919
3	7926	8192	3'	8192	7926
4	7933	8199	4'	8199	7933
5	7940	8206	5'	8206	7940
6	7947	8213	6'	8213	7947
7	7954	8220	7'	8220	7954
8	7961	8227	8'	8227	7961
9	7968	8234	9'	8234	7968
10	7975	8241	10'	8241	7975
11	7982	8248	11'	8248	7982
12	7989	8255	12'	8255	7989

Table-6-5 Lower 8 GHz ITU-R F.386-6 Annex 4 / Russia (2) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
13	7996	8262	13'	8262	7996
14	8003	8269	14'	8269	8003
15	8010	8276	15'	8276	8010
16	8017	8283	16'	8283	8017
17	8024	8290	17'	8290	8024
18	8031	8297	18'	8297	8031
19	8038	8304	19'	8304	8038
20	8045	8311	20'	8311	8045
21	8052	8318	21'	8318	8052
22	8059	8325	22'	8325	8059
23	8066	8332	23'	8332	8066
24	8073	8339	24'	8339	8073
25	8080	8346	25'	8346	8080
26	8087	8353	26'	8353	8087
27	8094	8360	27'	8360	8094

Table-6-6 Lower 8 GHz ITU-R F.386-6 Annex 4 / Russia (3) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
28	8101	8367	28'	8367	8101
29	8108	8374	29'	8374	8108
30	8115	8381	30'	8381	8115
31	8122	8388	31'	8388	8122
32	8129	8395	32'	8395	8129

Table-6-7 Lower 8 GHz ETSI (1) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	7912	8222	1'	8222	7912
2	7926	8236	2'	8236	7926
3	7940	8250	3'	8250	7940
4	7954	8264	4'	8264	7954
5	7968	8278	5'	8278	7968
6	7982	8292	6'	8292	7982

Table-6-8 Lower 8 GHz ETSI (2) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
7	7996	8306	7'	8306	7996
8	8010	8320	8'	8320	8010
9	8024	8334	9'	8334	8024
10	8038	8348	10'	8348	8038
11	8052	8362	11'	8362	8052

Table-6-9 Lower 8 GHz ETSI (3) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
11	8052	8362	11'	8362	8052
12	8066	8376	12'	8376	8066
13	8080	8390	13'	8390	8080
14	8094	8404	14'	8404	8094
15	8108	8418	15'	8418	8108
16	8122	8432	16'	8432	8122
17	8136	8446	17'	8446	8136
18	8150	8460	18'	8460	8150
19	8164	8474	19'	8474	8164
20	8178	8488	20'	8488	8178

Table-6-10 Lower 8 GHz ITU-R F.386-6 Annex 4 / Russia (1) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	7912	8178	1'	8178	7912
2	7926	8192	2'	8192	7926
3	7940	8206	3'	8206	7940
4	7954	8220	4'	8220	7954
5	7968	8234	5'	8234	7968
6	7982	8248	6'	8248	7982

Table-6-11 Lower 8 GHz ITU-R F.386-6 Annex 4 / Russia (2) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
7	7996	8262	7'	8262	7996
8	8010	8276	8'	8276	8010
9	8024	8290	9'	8290	8024
10	8038	8304	10'	8304	8038
11	8052	8318	11'	8318	8052
12	8066	8332	12'	8332	8066
13	8080	8346	13'	8346	8080
14	8094	8360	14'	8360	8094

Table-6-12 Lower 8 GHz ITU-R F.386-6 Annex 4 / Russia (3) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
15	8108	8374	15'	8374	8108
16	8122	8388	16'	8388	8122

Table-6-13 Lower 8 GHz ETSI (1) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	7919	8229	1'	8229	7919
2	7947	8257	2'	8257	7947
3	7975	8285	3'	8285	7975

Table-6-14 Lower 8 GHz ETSI (2) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
4	8003	8313	4'	8313	8003
5	8031	8341	5'	8341	8031

Table-6-15 Lower 8 GHz ETSI (3) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
6	8059	8369	6'	8369	8059
7	8087	8397	7'	8397	8087
8	8115	8425	8'	8425	8115
9	8143	8453	9'	8453	8143
10	8171	8481	10'	8481	8171

Table-6-16 Lower 8 GHz ITU-R F.386-6 Annex 4/ Russia (1) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	7926	8192	1'	8192	7926
2	7954	8220	2'	8220	7954
3	7982	8248	3'	8248	7982

Table-6-17 Lower 8 GHz ITU-R F.386-6 Annex 4/ Russia (2) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
4	8010	8276	4'	8276	8010
5	8038	8304	5'	8304	8038
6	8066	8332	6'	8332	8066
7	8094	8360	7'	8360	8094

Table-6-18 Lower 8 GHz ITU-R F.386-6 Annex 4/ Russia (3) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
8	8122	8388	8'	8388	8122

7.0 Upper 8 GHz Frequency Tables

Table-7-1 Upper 8 GHz ITU-R F.386-6 Annex 3 (1) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
2	8293	8419	2'	8419	8293
3	8300	8426	3'	8426	8300
4	8307	8433	4'	8433	8307
5	8314	8440	5'	8440	8314

Table-7-2 Upper 8 GHz ITU-R F.386-6 Annex 3 (2) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
8	8335	8461	8'	8461	8335
9	8342	8468	9'	8468	8342
10	8349	8475	10'	8475	8349
11	8356	8482	11'	8482	8356

Table-7-3 Upper 8 GHz ITU-R F.386-6 Annex 3 (1) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	8293	8412	1'	8412	8293
2	8307	8426	2'	8426	8307
3	8321	8440	3'	8440	8321

Table-7-4 Upper 8 GHz ITU-R F.386-6 Annex 3 (2) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
4	8335	8454	4'	8454	8335
5	8349	8468	5'	8468	8349
6	8363	8482	6'	8482	8363

Table-7-5 Upper 8 GHz New Zealand (1) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
Y1A	8307	8426	Y1A#	8426	8307

Table-7-6 Upper 8 GHz New Zealand (2) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
Y3	8349	8468	Y3#	8468	8349

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8.0 7 - 8 GHz Frequency Tables

Table-8-1 7 - 8 GHz ITU -R F.385-7 Annex 4 / UK (3) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	7431.5	7676.5	1'	7676.5	7431.5
2	7438.5	7683.5	2'	7683.5	7438.5
3	7445.5	7690.5	3'	7690.5	7445.5
4	7452.5	7697.5	4'	7697.5	7452.5
5	7459.5	7704.5	5'	7704.5	7459.5
6	7466.5	7711.5	6'	7711.5	7466.5
7	7473.5	7718.5	7'	7718.5	7473.5
8	7480.5	7725.5	8'	7725.5	7480.5
9	7487.5	7732.5	9'	7732.5	7487.5
10	7494.5	7739.5	10'	7739.5	7494.5
11	7501.5	7746.5	11'	7746.5	7501.5
12	7508.5	7753.5	12'	7753.5	7508.5
13	7515.5	7760.5	13'	7760.5	7515.5
14	7522.5	7767.5	14'	7767.5	7522.5
15	7529.5	7774.5	15'	7774.5	7529.5
16	7536.5	7781.5	16'	7781.5	7536.5

Table-8-2 7 - 8 GHz ITU -R F.385-7 Annex 4 / UK (4) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
17	7543.5	7788.5	17'	7788.5	7543.5
18	7550.5	7795.5	18'	7795.5	7550.5
19	7557.5	7802.5	19'	7802.5	7557.5
20	7564.5	7809.5	20'	7809.5	7564.5
21	7571.5	7816.5	21'	7816.5	7571.5
22	7578.5	7823.5	22'	7823.5	7578.5
23	7585.5	7830.5	23'	7830.5	7585.5
24	7592.5	7837.5	24'	7837.5	7592.5
25	7599.5	7844.5	25'	7844.5	7599.5
26	7606.5	7851.5	26'	7851.5	7606.5
27	7613.5	7858.5	27'	7858.5	7613.5
28	7620.5	7865.5	28'	7865.5	7620.5
29	7627.5	7872.5	29'	7872.5	7627.5
30	7634.5	7879.5	30'	7879.5	7634.5
31	7641.5	7886.5	31'	7886.5	7641.5
32	7648.5	7893.5	32'	7893.5	7648.5

Table-8-3 7 - 8 GHz ITU -R F.385-7 Annex 5 / Russia (1) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	7253	7414	1'	7414	7253
2	7260	7421	2'	7421	7260
3	7267	7428	3'	7428	7267
4	7274	7435	4'	7435	7274
5	7281	7442	5'	7442	7281
6	7288	7449	6'	7449	7288
7	7295	7456	7'	7456	7295
8	7302	7463	8'	7463	7302
9	7309	7470	9'	7470	7309
10	7316	7477	10'	7477	7316
11	7323	7484	11'	7484	7323
12	7330	7491	12'	7491	7330

Table-8-4 7 - 8 GHz ITU -R F.385-7 Annex 5 / Russia (2) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
10	7316	7477	10'	7477	7316
11	7323	7484	11'	7484	7323
12	7330	7491	12'	7491	7330
13	7337	7498	13'	7498	7337
14	7344	7505	14'	7505	7344
15	7351	7512	15'	7512	7351
16	7358	7519	16'	7519	7358
17	7365	7526	17'	7526	7365
18	7372	7533	18'	7533	7372
19	7379	7540	19'	7540	7379
20	7386	7547	20'	7547	7386

Table-8-5 7 - 8 GHz ITU -R F.385-7 Annex 5 / Russia (1) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	7260	7421	1'	7421	7260
2	7274	7435	2'	7435	7274
3	7288	7449	3'	7449	7288
4	7302	7463	4'	7463	7302
5	7316	7477	5'	7477	7316
6	7330	7491	6'	7491	7330

Table-8-6 7 - 8 GHz ITU -R F.385-7 Annex 5 / Russia (2) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
5	7316	7477	5'	7477	7316
6	7330	7491	6'	7491	7330
7	7344	7505	7'	7505	7344
8	7358	7519	8'	7519	7358
9	7372	7533	9'	7533	7372
10	7386	7547	10'	7547	7386

Table-8-7 7 - 8 GHz ITU -R F.385-7 Annex 4 / UK (3) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	7435	7680	1'	7680	7435
2	7449	7694	2'	7694	7449
3	7463	7708	3'	7708	7463
4	7477	7722	4'	7722	7477
5	7491	7736	5'	7736	7491
6	7505	7750	6'	7750	7505
7	7519	7764	7'	7764	7519
8	7533	7778	8'	7778	7533

Table-8-8 7 - 8 GHz ITU -R F.385-7 Annex 4 / UK (4) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
9	7547	7792	9'	7792	7547
10	7561	7806	10'	7806	7561
11	7575	7820	11'	7820	7575
12	7589	7834	12'	7834	7589
13	7603	7848	13'	7848	7603
14	7617	7862	14'	7862	7617
15	7631	7876	15'	7876	7631
16	7645	7890	16'	7890	7645

Table-8-9 7 - 8 GHz ITU -R F.385-7 Annex 5 / Russia (1) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	7267	7428	1'	7428	7267
2	7295	7456	2'	7456	7295
3	7323	7484	3'	7484	7323

Table-8-10 7 - 8 GHz ITU -R F.385-7 Annex 5 / Russia (2) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
3	7323	7484	3'	7484	7323
4	7351	7512	4'	7512	7351
5	7379	7540	5'	7540	7379

Table-8-11 7 - 8 GHz ITU -R F.385-7 Annex 4 / UK (3) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	7442	7687	1'	7687	7442
2	7470	7715	2'	7715	7470
3	7498	7743	3'	7743	7498
4	7526	7771	4'	7771	7526

Table-8-12 7 - 8 GHz ITU -R F.385-7 Annex 4 / UK (4) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
5	7554	7799	5'	7799	7554
6	7582	7827	6'	7827	7582
7	7610	7855	7'	7855	7610
8	7638	7883	8'	7883	7638

Table-8-13 7 - 8 GHz ITU -R F.386-6 Annex 1 (5) 29.65 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	7747.7	8059.02	1'	8059.02	7747.7
2	7777.35	8088.67	2'	8088.67	7777.35
3	7807	8118.32	3'	8118.32	7807
4	7836.65	8147.97	4'	8147.97	7836.65

Table-8-14 7 - 8 GHz ITU -R F.386-6 Annex 1 (6) 29.65 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
5	7866.3	8177.62	5'	8177.62	7866.3
6	7895.95	8207.27	6'	8207.27	7895.95
7	7925.6	8236.92	7'	8236.92	7925.6
8	7955.25	8266.57	8'	8266.57	7955.25

Table-8-15 7 - 8 GHz ITU -R F.386-6 Annex 1 Interleaved (5) 29.65 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	7732.875	8044.195	1'	8044.195	7732.875
2	7762.525	8073.845	2'	8073.845	7762.525
3	7792.175	8103.495	3'	8103.495	7792.175
4	7821.825	8133.145	4'	8133.145	7821.825

Table-8-16 7 - 8 GHz ITU -R F.386-6 Annex 1 Interleaved (6) 29.65 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
5	7851.475	8162.795	5'	8162.795	7851.475
6	7881.125	8192.445	6'	8192.445	7881.125
7	7910.775	8222.095	7'	8222.095	7910.775
8	7940.425	8251.745	8'	8251.745	7940.425

Table-8-17 7 - 8 GHz IC (5) 30 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
A1	7740	8040	A'1	8040	7740
A2	7770	8070	A'2	8070	7770
A3	7800	8100	A'3	8100	7800
A4	7830	8130	A'4	8130	7830

Table-8-18 7 - 8 GHz IC (6) 30 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
A5	7860	8160	A'5	8160	7860
A6	7890	8190	A'6	8190	7890
A7	7920	8220	A'7	8220	7920
A8	7950	8250	A'8	8250	7950

9.0 10.5 GHz Frequency Tables

Table-9-1 10.5 GHz ETSI (1) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	10157.5	10507.5	1'	10507.5	10157.5
2	10164.5	10514.5	2'	10514.5	10164.5
3	10171.5	10521.5	3'	10521.5	10171.5
4	10178.5	10528.5	4'	10528.5	10178.5
5	10185.5	10535.5	5'	10535.5	10185.5
6	10192.5	10542.5	6'	10542.5	10192.5
7	10199.5	10549.5	7'	10549.5	10199.5
8	10206.5	10556.5	8'	10556.5	10206.5
9	10213.5	10563.5	9'	10563.5	10213.5
10	10220.5	10570.5	10'	10570.5	10220.5
11	10227.5	10577.5	11'	10577.5	10227.5
12	10234.5	10584.5	12'	10584.5	10234.5
13	10241.5	10591.5	13'	10591.5	10241.5
14	10248.5	10598.5	14'	10598.5	10248.5
15	10255.5	10605.5	15'	10605.5	10255.5
16	10262.5	10612.5	16'	10612.5	10262.5
17	10269.5	10619.5	17'	10619.5	10269.5
18	10276.5	10626.5	18'	10626.5	10276.5
19	10283.5	10633.5	19'	10633.5	10283.5
20	10290.5	10640.5	20'	10640.5	10290.5

Table-9-2 10.5 GHz ETSI 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	10161	10511	1'	10511	10161
2	10175	10525	2'	10525	10175
3	10189	10539	3'	10539	10189
4	10203	10553	4'	10553	10203
5	10217	10567	5'	10567	10217
6	10231	10581	6'	10581	10231
7	10245	10595	7'	10595	10245
8	10259	10609	8'	10609	10259
9	10273	10623	9'	10623	10273
10	10287	10637	10'	10637	10287

Table-9-3 10.5 GHz ETSI 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	10168	10518	1'	10518	10168
2	10196	10546	2'	10546	10196
3	10224	10574	3'	10574	10224
4	10252	10602	4'	10602	10252
5	10280	10630	5'	10630	10280

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10.0 11 GHz Frequency Tables

Table-10-1 11 GHz IC (1) 20 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	10720	11210	1'	11210	10720
2	10740	11230	2'	11230	10740
3	10760	11250	3'	11250	10760
4	10780	11270	4'	11270	10780
5	10800	11290	5'	11290	10800
6	10820	11310	6'	11310	10820
7	10840	11330	7'	11330	10840
8	10860	11350	8'	11350	10860
9	10880	11370	9'	11370	10880
10	10900	11390	10'	11390	10900
11	10920	11410	11'	11410	10920
12	10940	11430	12'	11430	10940

Table-10-2 11 GHz IC (2) 20 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
13	10960	11450	13'	11450	10960
14	10980	11470	14'	11470	10980
15	11000	11490	15'	11490	11000
16	11020	11510	16'	11510	11020
17	11040	11530	17'	11530	11040
18	11060	11550	18'	11550	11060
19	11080	11570	19'	11570	11080
20	11100	11590	20'	11590	11100
21	11120	11610	21'	11610	11120
22	11140	11630	22'	11630	11140
23	11160	11650	23'	11650	11160
24	11180	11670	24'	11670	11180

Table-10-3 11 GHz FCC (1) 30 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	10715	11215	1'	11215	10715
2	10755	11245	2'	11245	10755
3	10795	11285	3'	11285	10795
4	10835	11325	4'	11325	10835
5	10875	11365	5'	11365	10875
6	10915	11405	6'	11405	10915

Table-10-4 11 GHz FCC (2) 30 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
7	10955	11445	7'	11445	10955
8	10995	11485	8'	11485	10995
9	11035	11525	9'	11525	11035
10	11075	11565	10'	11565	11075
11	11115	11605	11'	11605	11115
12	11155	11645	12'	11645	11155
13	11185	11685	13'	11685	11185

Table-10-5 11 GHz IC (1) 30 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	10725	11215	1'	11215	10725
2	10755	11245	2'	11245	10755
3	10785	11275	3'	11275	10785
4	10815	11305	4'	11305	10815
5	10845	11335	5'	11335	10845
6	10875	11365	6'	11365	10875
7	10905	11395	7'	11395	10905
8	10935	11425	8'	11425	10935

Table-10-6 11 GHz IC (2) 30 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
9	10965	11455	9'	11455	10965
10	10995	11485	10'	11485	10995
11	11025	11515	11'	11515	11025
12	11055	11545	12'	11545	11055
13	11085	11575	13'	11575	11085
14	11115	11605	14'	11605	11115
15	11145	11635	15'	11635	11145
16	11175	11665	16'	11665	11175

Table-10-7 11 GHz FCC/ETSI (1) 40 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	10735	11225	1'	11225	10735
2	10775	11265	2'	11265	10775
3	10815	11305	3'	11305	10815
4	10855	11345	4'	11345	10855
5	10895	11385	5'	11385	10895
6	10935	11425	6'	11425	10935

Table-10-8 11 GHz FCC/ETSI (2) 40 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
7	10975	11465	7'	11465	10975
8	11015	11505	8'	11505	11015
9	11055	11545	9'	11545	11055
10	11095	11585	10'	11585	11095
11	11135	11625	11'	11625	11135
12	11175	11665	12'	11665	11175

Table-10-9 11 GHz NZ (1) 40 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	10735	11265	1'	11265	10735
2	10775	11305	2'	11305	10775
3	10815	11345	3'	11345	10815
4	10855	11385	4'	11385	10855
5	10895	11425	5'	11425	10895

Table-10-10 11 GHz NZ/ETSI (2) 40 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
6	10935	11465	6'	11465	10935
7	10975	11505	7'	11505	10975
8	11015	11545	8'	11545	11015
9	11055	11585	9'	11585	11055
10	11095	11625	10'	11625	11095
11	11135	11665	11'	11665	11135

Table-10-11 11 GHz ITU (1) 40 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	10715	11245	1	11245	10715
2	10755	11285	2	11285	10755
3	10795	11325	3	11325	10795
4	10835	11365	4	11365	10835
5	10875	11405	5	11405	10875
6	10915	11445	6	11445	10915

Table-10-12 11 GHz ITU (2) 40 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
7	10955	11485	7'	11485	10955
8	10995	11525	8'	11525	10995
9	11035	11565	9'	11565	11035
10	11075	11605	10'	11605	11075
11	11115	11645	11'	11645	11115
12	11155	11685	12'	11685	11155

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11.0 13 GHz Frequency Tables

Table-11-1 13 GHz (1) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	12754.5	13020.5	1'	13020.5	12754.5
2	12761.5	13027.5	2'	13027.5	12761.5
3	12768.5	13034.5	3'	13034.5	12768.5
4	12775.5	13041.5	4'	13041.5	12775.5
5	12782.5	13048.5	5'	13048.5	12782.5
6	12789.5	13055.5	6'	13055.5	12789.5
7	12796.5	13062.5	7'	13062.5	12796.5
8	12803.5	13069.5	8'	13069.5	12803.5
9	12810.5	13076.5	9'	13076.5	12810.5
10	12817.5	13083.5	10'	13083.5	12817.5
11	12824.5	13090.5	11'	13090.5	12824.5
12	12831.5	13097.5	12'	13097.5	12831.5
13	12838.5	13104.5	13'	13104.5	12838.5
14	12845.5	13111.5	14'	13111.5	12845.5
15	12852.5	13118.5	15'	13118.5	12852.5
16	12859.5	13125.5	16'	13125.5	12859.5

Table-11-2 13 GHz (2) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
17	12866.5	13132.5	17'	13132.5	12866.5
18	12873.5	13139.5	18'	13139.5	12873.5
19	12880.5	13146.5	19'	13146.5	12880.5
20	12887.5	13153.5	20'	13153.5	12887.5
21	12894.5	13160.5	21'	13160.5	12894.5
22	12901.5	13167.5	22'	13167.5	12901.5
23	12908.5	13174.5	23'	13174.5	12908.5
24	12915.5	13181.5	24'	13181.5	12915.5
25	12922.5	13188.5	25'	13188.5	12922.5
26	12929.5	13195.5	26'	13195.5	12929.5
27	12936.5	13202.5	27'	13202.5	12936.5
28	12943.5	13209.5	28'	13209.5	12943.5
29	12950.5	13216.5	29'	13216.5	12950.5
30	12957.5	13223.5	30'	13223.5	12957.5
31	12964.5	13230.5	31'	13230.5	12964.5
32	12971.5	13237.5	32'	13237.5	12971.5

Table-11-3 13 GHz NZ/AUS/ETSI/ITU (1) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	12758	13024	1'	13024	12758
2	12772	13038	2'	13038	12772
3	12786	13052	3'	13052	12786
4	12800	13066	4'	13066	12800
5	12814	13080	5'	13080	12814
6	12828	13094	6'	13094	12828
7	12842	13108	7'	13108	12842
8	12856	13122	8'	13122	12856

Table-11-4 13 GHz (2) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	12891	13153	1'	13153	12891

Table-11-5 13 GHz NZ/AUS/ETSI/ITU (2) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
9	12870	13136	9'	13136	12870
10	12884	13150	10'	13150	12884
11	12898	13164	11'	13164	12898
12	12912	13178	12'	13178	12912
13	12926	13192	13'	13192	12926
14	12940	13206	14'	13206	12940
15	12954	13220	15'	13220	12954
16	12968	13234	16'	13234	12968

Table-11-6 13 GHz NZ/AUS/ETSI/ITU (1) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	12765	13031	1'	13031	12765
2	12793	13059	2'	13059	12793
3	12821	13087	3'	13087	12821
4	12849	13115	4'	13115	12849

Table-11-7 13 GHz NZ/AUS/ETSI/ITU (2) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
5	12877	13143	5'	13143	12877
6	12905	13171	6'	13171	12905
7	12933	13199	7'	13199	12933
8	12961	13227	8'	13227	12961

Table-11-8 13 GHz ESP (1) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	12779	13045	1'	13045	12779
2	12807	13073	2'	13073	12807
3	12835	13101	3'	13101	12835

Table-11-9 13 GHz ESP (2) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
4	12891	13157	4'	13157	12891
5	12919	13185	5'	13185	12919
6	12947	13213	6'	13213	12947

Table-11-10 13 GHz ETSI (1) 56 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	12779	13045	1'	13045	12779
2	12835	13101	2'	13101	12835

Table-11-11 13 GHz ETSI (2) 56 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
3	12891	13157	3'	13157	12891
4	12947	13213	4'	13213	12947

Table-11-12 13 GHz ESP (1) 56 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	12779	13045	1'	13045	12779
2	12793	13059	2'	13059	12793
3	12807	13073	3'	13073	12807
4	12821	13087	4'	13087	12821
5	12835	13101	5'	13101	12835

Table-11-13 13 GHz ESP (2) 56 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
6	12891	13157	6'	13157	12891
7	12905	13171	7'	13171	12905
8	12919	13185	8'	13185	12919
9	12933	13199	9'	13199	12933
10	12947	13213	10'	13213	12947

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12.0 15 GHz Frequency Tables

Table-12-1 15 GHz ITU (1) 7 MHz Channels (490 MHz T/R)

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	14406.5	14896.5	1'	14896.5	14406.5
2	14413.5	14903.5	2'	14903.5	14413.5
3	14420.5	14910.5	3'	14910.5	14420.5
4	14427.5	14917.5	4'	14917.5	14427.5
5	14434.5	14924.5	5'	14924.5	14434.5
6	14441.5	14931.5	6'	14931.5	14441.5
7	14448.5	14938.5	7'	14938.5	14448.5
8	14455.5	14945.5	8'	14945.5	14455.5
9	14462.5	14952.5	9'	14952.5	14462.5
10	14469.5	14959.5	10'	14959.5	14469.5
11	14476.5	14966.5	11'	14966.5	14476.5
12	14483.5	14973.5	12'	14973.5	14483.5
13	14490.5	14980.5	13'	14980.5	14490.5
14	14497.5	14987.5	14'	14987.5	14497.5
15	14504.5	14994.5	15'	14994.5	14504.5
16	14511.5	15001.5	16'	15001.5	14511.5
17	14518.5	15008.5	17'	15008.5	14518.5
18	14525.5	15015.5	18'	15015.5	14525.5
19	14532.5	15022.5	19'	15022.5	14532.5
20	14539.5	15029.5	20'	15029.5	14539.5
21	14546.5	15036.5	21'	15036.5	14546.5
22	14553.5	15043.5	22'	15043.5	14553.5
23	14560.5	15050.5	23'	15050.5	14560.5
24	14567.5	15057.5	24'	15057.5	14567.5

Table-12-2 15 GHz ITU 14.4 – 15.35 (2) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
25	14574.5	15064.5	25'	15064.5	14574.5
26	14581.5	15071.5	26'	15071.5	14581.5
27	14588.5	15078.5	27'	15078.5	14588.5
28	14595.5	15085.5	28'	15085.5	14595.5
29	14602.5	15092.5	29'	15092.5	14602.5
30	14609.5	15099.5	30'	15099.5	14609.5
31	14616.5	15106.5	31'	15106.5	14616.5
32	14623.5	15113.5	32'	15113.5	14623.5
33	14630.5	15120.5	33'	15120.5	14630.5
34	14637.5	15127.5	34'	15127.5	14637.5
35	14644.5	15134.5	35'	15134.5	14644.5
36	14651.5	15141.5	36'	15141.5	14651.5
37	14658.5	15148.5	37'	15148.5	14658.5
38	14665.5	15155.5	38'	15155.5	14665.5
39	14672.5	15162.5	39'	15162.5	14672.5
40	14679.5	15169.5	40'	15169.5	14679.5
41	14686.5	15176.5	41'	15176.5	14686.5
42	14693.5	15183.5	42'	15183.5	14693.5
43	14700.5	15190.5	43'	15190.5	14700.5
44	14707.5	15197.5	44'	15197.5	14707.5
45	14714.5	15204.5	45'	15204.5	14714.5
46	14721.5	15211.5	46'	15211.5	14721.5
47	14728.5	15218.5	47'	15218.5	14728.5
48	14735.5	15225.5	48'	15225.5	14735.5

Table-12-3 15 GHz ITU 14.5 - 15.35 (1) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	14504.5	14924.5	1'	14924.5	14504.5
2	14511.5	14931.5	2'	14931.5	14511.5
3	14518.5	14938.5	3'	14938.5	14518.5
4	14525.5	14945.5	4'	14945.5	14525.5
5	14532.5	14952.5	5'	14952.5	14532.5
6	14539.5	14959.5	6'	14959.5	14539.5
7	14546.5	14966.5	7'	14966.5	14546.5
8	14553.5	14973.5	8'	14973.5	14553.5
9	14560.5	14980.5	9'	14980.5	14560.5
10	14567.5	14987.5	10'	14987.5	14567.5
11	14574.5	14994.5	11'	14994.5	14574.5
12	14581.5	15001.5	12'	15001.5	14581.5
13	14588.5	15008.5	13'	15008.5	14588.5
14	14595.5	15015.5	14'	15015.5	14595.5
15	14602.5	15022.5	15'	15022.5	14602.5
16	14609.5	15029.5	16'	15029.5	14609.5

Table-12-4 15 GHz ITU (2) 7 MHz Channels (420 MHz T/R)

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
17	14616.5	15036.5	17'	15036.5	14616.5
18	14623.5	15043.5	18'	15043.5	14623.5
19	14630.5	15050.5	19'	15050.5	14630.5
20	14637.5	15057.5	20'	15057.5	14637.5
21	14644.5	15064.5	21'	15064.5	14644.5
22	14651.5	15071.5	22'	15071.5	14651.5
23	14658.5	15078.5	23'	15078.5	14658.5
24	14665.5	15085.5	24'	15085.5	14665.5
25	14672.5	15092.5	25'	15092.5	14672.5
26	14679.5	15099.5	26'	15099.5	14679.5
27	14686.5	15106.5	27'	15106.5	14686.5
28	14693.5	15113.5	28'	15113.5	14693.5
29	14700.5	15120.5	29'	15120.5	14700.5
30	14707.5	15127.5	30'	15127.5	14707.5
31	14714.5	15134.5	31'	15134.5	14714.5
32	14721.5	15141.5	32'	15141.5	14721.5
33	14728.5	15148.5	33'	15148.5	14728.5
34	14735.5	15155.5	34'	15155.5	14735.5
35	14742.5	15162.5	35'	15162.5	14742.5
36	14749.5	15169.5	36'	15169.5	14749.5

Table-12-5 15 GHz ITU 14.5 – 15.53 (3) 7 MHz Channels (420 MHz T/R)

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
37	14756.5	15176.5	37'	15176.5	14756.5
38	14763.5	15183.5	38'	15183.5	14763.5
39	14770.5	15190.5	39'	15190.5	14770.5
40	14777.5	15197.5	40'	15197.5	14777.5
41	14784.5	15204.5	41'	15204.5	14784.5
42	14791.5	15211.5	42'	15211.5	14791.5
43	14798.5	15218.5	43'	15218.5	14798.5
44	14805.5	15225.5	44'	15225.5	14805.5
45	14812.5	15232.5	45'	15232.5	14812.5
46	14819.5	15239.5	46'	15239.5	14819.5
47	14826.5	15246.5	47'	15246.5	14826.5
48	14833.5	15253.5	48'	15253.5	14833.5
49	14840.5	15260.5	49'	15260.5	14840.5
50	14847.5	15267.5	50'	15267.5	14847.5
51	14854.5	15274.5	51'	15274.5	14854.5
52	14861.5	15281.5	52'	15281.5	14861.5
53	14868.5	15288.5	53'	15288.5	14868.5
54	14875.5	15295.5	54'	15295.5	14875.5
55	14882.5	15302.5	55'	15302.5	14882.5
56	14889.5	15309.5	56'	15309.5	14889.5
57	14896.5	15316.5	57'	15316.5	14896.5
58	14903.5	15323.5	58'	15323.5	14903.5
59	14910.5	15330.5	59'	15330.5	14910.5
60	14917.5	15337.5	60'	15337.5	14917.5

Table-12-6 15 GHz ITU (3) 7 MHz Channels (490 MHz T/R)

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
49	14742.5	15232.5	49'	15232.5	14742.5
50	14749.5	15239.5	50'	15239.5	14749.5
51	14756.5	15246.5	51'	15246.5	14756.5
52	14763.5	15253.5	52'	15253.5	14763.5
53	14770.5	15260.5	53'	15260.5	14770.5
54	14777.5	15267.5	54'	15267.5	14777.5
55	14784.5	15274.5	55'	15274.5	14784.5
56	14791.5	15281.5	56'	15281.5	14791.5
57	14798.5	15288.5	57'	15288.5	14798.5
58	14805.5	15295.5	58'	15295.5	14805.5
59	14812.5	15302.5	59'	15302.5	14812.5
60	14819.5	15309.5	60'	15309.5	14819.5
61	14826.5	15316.5	61'	15316.5	14826.5
62	14833.5	15323.5	62'	15323.5	14833.5
63	14840.5	15330.5	63'	15330.5	14840.5
64	14847.5	15337.5	64'	15337.5	14847.5

Table-12-7 15 GHz ETSI (4) 7 MHz Channels (728 MHz T/R)

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	14504.5	15232.5	1'	15232.5	14504.5
2	14511.5	15239.5	2'	15239.5	14511.5
3	14518.5	15246.5	3'	15246.5	14518.5
4	14525.5	15253.5	4'	15253.5	14525.5
5	14532.5	15260.5	5'	15260.5	14532.5
6	14539.5	15267.5	6'	15267.5	14539.5
7	14546.5	15274.5	7'	15274.5	14546.5
8	14553.5	15281.5	8'	15281.5	14553.5
9	14560.5	15288.5	9'	15288.5	14560.5
10	14567.5	15295.5	10'	15295.5	14567.5
11	14574.5	15302.5	11'	15302.5	14574.5
12	14581.5	15309.5	12'	15309.5	14581.5
13	14588.5	15316.5	13'	15316.5	14588.5
14	14595.5	15323.5	14'	15323.5	14595.5
15	14602.5	15330.5	15'	15330.5	14602.5
16	14609.5	15337.5	16'	15337.5	14609.5

Table-12-8 15 GHz NZ (4) 7 MHz Channels (644 MHz T/R)

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	14504.5	15148.5	1'	15148.5	14504.5
2	14511.5	15155.5	2'	15155.5	14511.5
3	14518.5	15162.5	3'	15162.5	14518.5
4	14525.5	15169.5	4'	15169.5	14525.5
5	14532.5	15176.5	5'	15176.5	14532.5
6	14539.5	15183.5	6'	15183.5	14539.5
7	14546.5	15190.5	7'	15190.5	14546.5
8	14553.5	15197.5	8'	15197.5	14553.5
9	14560.5	15204.5	9'	15204.5	14560.5
10	14567.5	15211.5	10'	15211.5	14567.5
11	14574.5	15218.5	11'	15218.5	14574.5
12	14581.5	15225.5	12'	15225.5	14581.5
13	14588.5	15232.5	13'	15232.5	14588.5
14	14595.5	15239.5	14'	15239.5	14595.5
15	14602.5	15246.5	15'	15246.5	14602.5
16	14609.5	15253.5	16'	15253.5	14609.5

Table-12-9 15 GHz Australia (4) 7 MHz Channels (644 MHz T/R)

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	14511.5	15155.5	1'	15155.5	14511.5
2	14518.5	15162.5	2'	15162.5	14518.5
3	14525.5	15169.5	3'	15169.5	14525.5
4	14532.5	15176.5	4'	15176.5	14532.5
5	14539.5	15183.5	5'	15183.5	14539.5

Table-12-10 15 GHz Mexico (4) 7 MHz Channels (728 MHz T/R)

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
A1A	14504.5	15232.5	A1A'	15232.5	14504.5
A1B	14511.5	15239.5	A1B'	15239.5	14511.5
A1C	14518.5	15246.5	A1C'	15246.5	14518.5
A1D	14525.5	15253.5	A1D'	15253.5	14525.5
A2A	14532.5	15260.5	A2A'	15260.5	14532.5
A2B	14539.5	15267.5	A2B'	15267.5	14539.5
A2C	14546.5	15274.5	A2C'	15274.5	14546.5
A2D	14553.5	15281.5	A2D'	15281.5	14553.5
A3A	14560.5	15288.5	A3A'	15288.5	14560.5
A3B	14567.5	15295.5	A3B'	15295.5	14567.5
A3C	14574.5	15302.5	A3C'	15302.5	14574.5
A3D	14581.5	15309.5	A3D'	15309.5	14581.5

Table-12-11 15 GHz ITU (1) 14 MHz Channels (490 MHz T/R)

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	14417	14907	1'	14907	14417
2	14431	14921	2'	14921	14431
3	14445	14935	3'	14935	14445
4	14459	14949	4'	14949	14459
5	14473	14963	5'	14963	14473
6	14487	14977	6'	14977	14487
7	14501	14991	7'	14991	14501
8	14515	15005	8'	15005	14515
9	14529	15019	9'	15019	14529
10	14543	15033	10'	15033	14543
11	14557	15047	11'	15047	14557
12	14571	15061	12'	15061	14571

Table-12-12 15 GHz ITU (1a) 14 MHz Channels (420 MHz T/R)

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	14515	14935	1'	14935	14515
2	14529	14949	2'	14949	14529
3	14543	14963	3'	14963	14543
4	14557	14977	4'	14977	14557
5	14571	14991	5'	14991	14571
6	14585	15005	6'	15005	14585
7	14599	15019	7'	15019	14599

Table-12-13 15 GHz ITU (2) 14 MHz Channels (490 MHz T/R)

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
13	14585	15075	13'	15075	14585
14	14599	15089	14'	15089	14599
15	14613	15103	15'	15103	14613
16	14627	15117	16'	15117	14627
17	14641	15131	17'	15131	14641
18	14655	15145	18'	15145	14655
19	14669	15159	19'	15159	14669
20	14683	15173	20'	15173	14683
21	14697	15187	21'	15187	14697
22	14711	15201	22'	15201	14711
23	14725	15215	23'	15215	14725
24	14739	15229	24'	15229	14739

Table-12-14 15 GHz ITU (2a) 14 MHz Channels (420 MHz T/R)

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
8	14613	15033	8'	15033	14613
9	14627	15047	9'	15047	14627
10	14641	15061	10'	15061	14641
11	14655	15075	11'	15075	14655
12	14669	15089	12'	15089	14669
13	14683	15103	13'	15103	14683
14	14697	15117	14'	15117	14697
15	14711	15131	15'	15131	14711
16	14725	15145	16'	15145	14725
17	14739	15159	17'	15159	14739
18	14753	15173	18'	15173	14753

Table-12-15 15 GHz ITU (3) 14 MHz Channels (490 MHz T/R)

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
25	14753	15243	25'	15243	14753
26	14767	15257	26'	15257	14767
27	14781	15271	27'	15271	14781
28	14795	15285	28'	15285	14795
29	14809	15299	29'	15299	14809
30	14823	15313	30'	15313	14823
31	14837	15327	31'	15327	14837
32	14851	15341	32'	15341	14851

Table-12-16 15 GHz ITU (3a) 14 MHz Channels (420 MHz T/R)

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
19	14767	15187	19'	15187	14767
20	14781	15201	20'	15201	14781
21	14795	15215	21'	15215	14795
22	14809	15229	22'	15229	14809
23	14823	15243	23'	15243	14823
24	14837	15257	24'	15257	14837
25	14851	15271	25'	15271	14851
26	14865	15285	26'	15285	14865
27	14879	15299	27'	15299	14879
28	14893	15313	28'	15313	14893
29	14907	15327	29'	15327	14907
30	14921	15341	30'	15341	14921

Table-12-17 15 GHz ETSI (4) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	14515	15243	1'	15243	14515
2	14529	15257	2'	15257	14529
3	14543	15271	3'	15271	14543
4	14557	15285	4'	15285	14557
5	14571	15299	5'	15299	14571
6	14585	15313	6'	15313	14585
7	14599	15327	7'	15327	14599
8	14613	15341	8'	15341	14613

Table-12-18 15 GHz MEX (4) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
A1A	14508	15236	A1A'	15236	14508
A1B	14522	15250	A1B'	15250	14522
A2A	14536	15264	A2A'	15264	14536
A2B	14550	15278	A2B'	15278	14550
A3A	14564	15292	A3A'	15292	14564
A3B	14578	15306	A3B'	15306	14578

Table-12-19 15 GHz AUS (4) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
2	14550	15194	2'	15194	14550
3	14564	15208	3'	15208	14564
4	14578	15222	4'	15222	14578
5	14592	15236	5'	15236	14592
6	14606	15250	6'	15250	14606

Table-12-20 15 GHz NZ (4) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	14536	15180	1'	15180	14536
2	14550	15194	2'	15194	14550
3	14564	15208	3'	15208	14564
4	14578	15222	4'	15222	14578
5	14592	15236	5'	15236	14592
6	14606	15250	6'	15250	14606

Table-12-21 15 GHz ITU (1) 28 MHz Channels (490 MHz T/R)

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	14417	14907	1'	14907	14417
2	14445	14935	2'	14935	14445
3	14473	14963	3'	14963	14473
4	14501	14991	4'	14991	14501
5	14529	15019	5'	15019	14529
6	14557	15047	6'	15047	14557

Table-12-22 15 GHz ITU (1a) 28 MHz Channels (420 MHz T/R)

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	14515	14935	1'	14935	14515
2	14543	14963	2'	14963	14543
3	14571	14991	3'	14991	14571
4	14599	15019	4'	15019	14599

Table-12-23 15 GHz ITU (2) 28 MHz Channels (490 MHz T/R)

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
7	14585	15075	7'	15075	14585
8	14613	15103	8'	15103	14613
9	14641	15131	9'	15131	14641
10	14669	15159	10'	15159	14669
11	14697	15187	11'	15187	14697
12	14725	15215	12'	15215	14725

Table-12-24 15 GHz ITU (2a) 28 MHz Channels (420 MHz T/R)

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
5	14627	15047	5'	15047	14627
6	14655	15075	6'	15075	14655
7	14683	15103	7'	15103	14683
8	14711	15131	8'	15131	14711
9	14739	15159	9'	15159	14739

Table-12-25 15 GHz Iraq (2) 28 MHz Channels (490 MHz T/R)

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	14635.75	15055.75	1'	15055.75	14635.75
2	14663.75	15083.75	2'	15083.75	14663.75
3	14691.75	15111.75	3'	15111.75	14691.75
4	14719.75	15139.75	4'	15139.75	14719.75

Table-12-26 15 GHz ITU (3) 28 MHz Channels (490 MHz T/R)

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
13	14753	15243	13'	15243	14753
14	14781	15271	14'	15271	14781
15	14809	15299	15'	15299	14809
16	14837	15327	16'	15327	14837

Table-12-27 15 GHz ITU (3a) 28 MHz Channels (420 MHz T/R)

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
10	14767	15187	10'	15187	14767
11	14795	15215	11'	15215	14795
12	14823	15243	12'	15243	14823
13	14851	15271	13'	15271	14851
14	14879	15299	14'	15299	14879
15	14907	15327	15'	15327	14907

Table-12-28 15 GHz ETSI (4) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	14515	15243	1'	15243	14515
2	14543	15271	2'	15271	14543
3	14571	15299	3'	15299	14571
4	14599	15327	4'	15327	14599

Table-12-29 15 GHz MEX (4) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	14515	15243	1'	15243	14515
2	14543	15271	2'	15271	14543
3	14571	15299	3'	15299	14571

Table-12-30 15 GHz AUS (4) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
6	14655	15299	6'	15299	14655
7	14683	15327	7'	15327	14683
8	14711	15355	8'	15355	14711

Table-12-31 15 GHz NZ (4) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	14515	15159	1'	15159	14515
2	14543	15187	2'	15187	14543
3	14571	15215	3'	15215	14571
4	14599	15243	4'	15243	14599
5	14627	15271	5'	15271	14627
6	14655	15299	6'	15299	14655
7	14683	15327	7'	15327	14683
8	14711	15355	8'	15355	14711

Table-12-32 15 GHz ESP (1) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	14431	14921	1'	14921	14431
2	14459	14949	2'	14949	14459
3	14487	14977	3'	14977	14487
4	14515	15005	4'	15005	14515
5	14543	15033	5'	15033	14543

Table-12-33 15 GHz ESP (2) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	14585	15060	1'	15060	14585
2	14599	15074	2'	15074	14599
3	14613	15088	3'	15088	14613
4	14627	15102	4'	15102	14627
5	14641	15116	5'	15116	14641
6	14655	15130	6'	15130	14655
7	14669	15144	7'	15144	14669
8	14683	15158	8'	15158	14683
9	14697	15172	9'	15172	14697
10	14711	15186	10'	15186	14711
11	14725	15200	11'	15200	14725
12	14739	15214	12'	15214	14739

Table-12-34 15 GHz ESP (4) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	14529	15173	1'	15173	14529
2	14557	15201	2'	15201	14557
3	14585	15229	3'	15229	14585
4	14613	15257	4'	15257	14613
5	14641	15285	5'	15285	14641
6	14669	15313	6'	15313	14669
7	14697	15341	7'	15341	14697

Table-12-35 15 GHz IC (1) 40 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
D1	14520	14995	D1'	14995	14520
D2	14560	15035	D2'	15035	14560

Table-12-36 15 GHz IC (2) 40 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
D3	14600	15075	D3'	15075	14600
D4	14640	15115	D4'	15115	14640
D5	14680	15155	D5'	15155	14680
D6	14720	15195	D6'	15195	14720

Table-12-37 15 GHz IC (3) 40 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
D7	14760	15235	D7'	15235	14760
D8	14800	15275	D8'	15275	14800

Table-12-38 15 GHz ETSI 56 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	14529	15257	1'	15257	14529
2	14585	15313	2'	15313	14585

Table-12-39 15 GHz ESP (1) 56 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	14431	14921	1'	14921	14431
2	14445	14935	2'	14935	14445
3	14459	14949	3'	14949	14459
4	14473	14963	4'	14963	14473
5	14487	14977	5'	14977	14487
6	14501	14991	6'	14991	14501
7	14515	15005	7'	15005	14515
8	14529	15019	8'	15019	14529
9	14543	15033	9'	15033	14543

Table-12-40 15 GHz ESP (2) 56 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	14599	15074	1'	15074	14599
2	14613	15088	2'	15088	14613
3	14627	15102	3'	15102	14627
4	14641	15116	4'	15116	14641
5	14655	15130	5'	15130	14655
6	14669	15144	6'	15144	14669
7	14683	15158	7'	15158	14683
8	14697	15172	8'	15172	14697
9	14711	15186	9'	15186	14711
10	14725	15200	10'	15200	14725

Table-12-41 15 GHz ITU (3) 56 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
5	14781	15201	5'	15201	14781
6	14837	15257	5'	15257	14837
7	14893	15313	7'	15313	14893

Table-12-42 15 GHz ESP (4) 56 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	14529	15173	1'	15173	14529
2	14543	15187	2'	15229	14585
3	14557	15201	3'	15285	14641
4	14571	15215	4'	15341	14697
5	14585	15229	5'	15397	14753
6	14599	15243	6'	15453	14809
7	14613	15257	7'	15509	14865
8	14627	15271	8'	15565	14921
9	14641	15285	9'	15621	14977
10	14655	15299	10'	15677	15033
11	14697	15341	11'	15733	15089

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13.0 18 GHz Frequency Tables

Table-13-1 18 GHz Italy (2) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	17710	18720	1'	18720	17710
2	17717	18727	2'	18727	17717
3	17724	18734	3'	18734	17724
4	17731	18741	4'	18741	17731
5	17738	18748	5'	18748	17738
6	17745	18755	6'	18755	17745
7	17752	18762	7'	18762	17752
8	17759	18769	8'	18769	17759
9	17766	18776	9'	18776	17766
10	17773	18783	10'	18783	17773
11	17780	18790	11'	18790	17780
12	17787	18797	12'	18797	17787
13	17794	18804	13'	18804	17794
14	17801	18811	14'	18811	17801
15	17808	18818	15'	18818	17808
16	17815	18825	16'	18825	17815
17	17822	18832	17'	18832	17822
18	17829	18839	18'	18839	17829
19	17836	18846	19'	18846	17836
20	17843	18853	20'	18853	17843
21	17850	18860	21'	18860	17850
22	17857	18867	22'	18867	17857
23	17864	18874	23'	18874	17864
24	17871	18881	24'	18881	17871
25	17878	18888	25'	18888	17878
26	17885	18895	26'	18895	17885
27	17892	18902	27'	18902	17892
28	17899	18909	28'	18909	17899
29	17906	18916	29'	18916	17906
30	17913	18923	30'	18923	17913
31	17920	18930	31'	18930	17920
32	17927	18937	32'	18937	17927
33	17934	18944	33'	18944	17934

Table-13-2 18 GHz UK (3) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
107	18466	19474	107'	19474	18466
108	18473	19481	108'	19481	18473
109	18480	19488	109'	19488	18480
110	18487	19495	110'	19495	18487
111	18494	19502	111'	19502	18494
112	18501	19509	112'	19509	18501
113	18508	19516	113'	19516	18508
114	18515	19523	114'	19523	18515
115	18522	19530	115'	19530	18522
116	18529	19537	116'	19537	18529
117	18536	19544	117'	19544	18536
118	18543	19551	118'	19551	18543
119	18550	19558	119'	19558	18550
120	18557	19565	120'	19565	18557
121	18564	19572	121'	19572	18564
122	18571	19579	122'	19579	18571
123	18578	19586	123'	19586	18578
124	18585	19593	124'	19593	18585
125	18592	19600	125'	19600	18592
126	18599	19607	126'	19607	18599
127	18606	19614	127'	19614	18606
128	18613	19621	128'	19621	18613
129	18620	19628	129'	19628	18620
130	18627	19635	130'	19635	18627
131	18634	19642	131'	19642	18634
132	18641	19649	132'	19649	18641
133	18648	19656	133'	19656	18648
134	18655	19663	134'	19663	18655
135	18662	19670	135'	19670	18662
136	18669	19677	136'	19677	18669

Table-13-3 18 GHz FCC (1) 10 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	17745	19305	1'	19305	17745
2	17755	19315	2'	19315	17755
3	17765	19325	3'	19325	17765
4	17775	19335	4'	19335	17775
5	17785	19345	5'	19345	17785
6	17795	19355	6'	19355	17795
7	17805	19365	7'	19365	17805
8	17815	19375	8'	19375	17815
9	17825	19385	9'	19385	17825
10	17835	19395	10'	19395	17835
11	17845	19405	11'	19405	17845
12	17855	19415	12'	19415	17855
13	17865	19425	13'	19425	17865
14	17875	19435	14'	19435	17875
15	17885	19445	15'	19445	17885
16	17895	19455	16'	19455	17895
17	17905	19465	17'	19465	17905
18	17915	19475	18'	19475	17915
19	17925	19485	19'	19485	17925
20	17935	19495	20'	19495	17935
21	17945	19505	21'	19505	17945
22	17955	19515	22'	19515	17955
23	17965	19525	23'	19525	17965
24	17975	19535	24'	19535	17975
25	17985	19545	25'	19545	17985
26	17995	19555	26'	19555	17995
27	18005	19565	27'	19565	18005
28	18015	19575	28'	19575	18015
29	18025	19585	29'	19585	18025
30	18035	19595	30'	19595	18035
31	18045	19605	31'	19605	18045
32	18055	19615	32'	19615	18055
33	18065	19625	33'	19625	18065
34	18075	19635	34'	19635	18075
35	18085	19645	35'	19645	18085
36	18095	19655	36'	19655	18095
37	18105	19665	37'	19665	18105
38	18115	19675	38'	19675	18115
39	18125	19685	39'	19685	18125
40	18135	19695	40'	19695	18135

Table-13-4 18 GHz IC (1) 10 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
N1	17805	19365	N1'	19365	17805
N2	17815	19375	N2'	19375	17815
N3	17825	19385	N3'	19385	17825
N4	17835	19395	N4'	19395	17835
N5	17845	19405	N5'	19405	17845
N6	17855	19415	N6'	19415	17855
N7	17865	19425	N7'	19425	17865
N8	17875	19435	N8'	19435	17875
N9	17885	19445	N9'	19445	17885
N10	17895	19455	N10'	19455	17895
N11	17905	19465	N11'	19465	17905
N12	17915	19475	N12'	19475	17915
N13	17925	19485	N13'	19485	17925
N14	17935	19495	N14'	19495	17935
N15	17945	19505	N15'	19505	17945
N16	17955	19515	N16'	19515	17955
N17	17965	19525	N17'	19525	17965
N18	17975	19535	N18'	19535	17975
N19	17985	19545	N19'	19545	17985
N20	17995	19555	N20'	19555	17995
N21	18005	19565	N21'	19565	18005
N22	18015	19575	N22'	19575	18015
N23	18025	19585	N23'	19585	18025
N24	18035	19595	N24'	19595	18035
N25	18045	19605	N25'	19605	18045
N26	18055	19615	N26'	19615	18055
N27	18065	19625	N27'	19625	18065
N28	18075	19635	N28'	19635	18075
N29	18085	19645	N29'	19645	18085
N30	18095	19655	N30'	19655	18095
N31	18105	19665	N31'	19665	18105
N32	18115	19675	N32'	19675	18115
N33	18125	19685	N33'	19685	18125
N34	18135	19695	N34'	19695	18135

Table-13-5 18 GHz ETSI / ITU (2) 13.75 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	17713.75	18723.75	1'	18723.75	17713.75
2	17727.5	18737.5	2'	18737.5	17727.5
3	17741.25	18751.25	3'	18751.25	17741.25
4	17755	18765	4'	18765	17755
5	17768.75	18778.75	5'	18778.75	17768.75
6	17782.5	18792.5	6'	18792.5	17782.5
7	17796.25	18806.25	7'	18806.25	17796.25
8	17810	18820	8'	18820	17810
9	17823.75	18833.75	9'	18833.75	17823.75
10	17837.5	18847.5	10'	18847.5	17837.5
11	17851.25	18861.25	11'	18861.25	17851.25
12	17865	18875	12'	18875	17865
13	17878.75	18888.75	13'	18888.75	17878.75
14	17892.5	18902.5	14'	18902.5	17892.5
15	17906.25	18916.25	15'	18916.25	17906.25
16	17920	18930	16'	18930	17920
17	17933.75	18943.75	17'	18943.75	17933.75
18	17947.5	18957.5	18'	18957.5	17947.5
19	17961.25	18971.25	19'	18971.25	17961.25
20	17975	18985	20'	18985	17975
21	17988.75	18998.75	21'	18998.75	17988.75
22	18002.5	19012.5	22'	19012.5	18002.5
23	18016.25	19026.25	23'	19026.25	18016.25
24	18030	19040	24'	19040	18030
25	18043.75	19053.75	25'	19053.75	18043.75
26	18057.5	19067.5	26'	19067.5	18057.5
27	18071.25	19081.25	27'	19081.25	18071.25
28	18085	19095	28'	19095	18085
29	18098.75	19108.75	29'	19108.75	18098.75
30	18112.5	19122.5	30'	19122.5	18112.5
31	18126.25	19136.25	31'	19136.25	18126.25
32	18140	19150	32'	19150	18140
33	18153.75	19163.75	33'	19163.75	18153.75
34	18167.5	19177.5	34'	19177.5	18167.5
35	18181.25	19191.25	35'	19191.25	18181.25
36	18195	19205	36'	19205	18195
37	18208.75	19218.75	37'	19218.75	18208.75

Table-13-6 18 GHz Brazil 13.75 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	17713.75	19273.75	1'	19273.75	17713.75
2	17727.5	19287.5	2'	19287.5	17727.5
3	17741.25	19301.25	3'	19301.25	17741.25
4	17755	19315	4'	19315	17755
5	17768.75	19328.75	5'	19328.75	17768.75
6	17782.5	19342.5	6'	19342.5	17782.5
7	17796.25	19356.25	7'	19356.25	17796.25
8	17810	19370	8'	19370	17810
9	17823.75	19383.75	9'	19383.75	17823.75
10	17837.5	19397.5	10'	19397.5	17837.5
11	17851.25	19411.25	11'	19411.25	17851.25
12	17865	19425	12'	19425	17865
13	17878.75	19438.75	13'	19438.75	17878.75
14	17892.5	19452.5	14'	19452.5	17892.5
15	17906.25	19466.25	15'	19466.25	17906.25
16	17920	19480	16'	19480	17920
17	17933.75	19493.75	17'	19493.75	17933.75
18	17947.5	19507.5	18'	19507.5	17947.5
19	17961.25	19521.25	19'	19521.25	17961.25
20	17975	19535	20'	19535	17975
21	17988.75	19548.75	21'	19548.75	17988.75
22	18002.5	19562.5	22'	19562.5	18002.5
23	18016.25	19576.25	23'	19576.25	18016.25
24	18030	19590	24'	19590	18030
25	18043.75	19603.75	25'	19603.75	18043.75
26	18057.5	19617.5	26'	19617.5	18057.5
27	18071.25	19631.25	27'	19631.25	18071.25
28	18085	19645	28'	19645	18085
29	18098.75	19658.75	29'	19658.75	18098.75
30	18112.5	19672.5	30'	19672.5	18112.5
31	18126.25	19686.25	31'	19686.25	18126.25

Table-13-7 18 GHz France (2) 13.75 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	17734.375	18744.375	1'	18744.375	17734.375
2	17748.125	18758.125	2'	18758.125	17748.125
3	17761.875	18771.875	3'	18771.875	17761.875
4	17775.625	18785.625	4'	18785.625	17775.625
5	17789.375	18799.375	5'	18799.375	17789.375
6	17803.125	18813.125	6'	18813.125	17803.125
7	17816.875	18826.875	7'	18826.875	17816.875
8	17830.625	18840.625	8'	18840.625	17830.625
9	17844.375	18854.375	9'	18854.375	17844.375
10	17858.125	18868.125	10'	18868.125	17858.125
11	17871.875	18881.875	11'	18881.875	17871.875
12	17885.625	18895.625	12'	18895.625	17885.625
13	17899.375	18909.375	13'	18909.375	17899.375
14	17913.125	18923.125	14'	18923.125	17913.125
15	17926.875	18936.875	15'	18936.875	17926.875
16	17940.625	18950.625	16'	18950.625	17940.625
17	17954.375	18964.375	17'	18964.375	17954.375
18	17968.125	18978.125	18'	18978.125	17968.125
19	17981.875	18991.875	19'	18991.875	17981.875
20	17995.625	19005.625	20'	19005.625	17995.625
21	18009.375	19019.375	21'	19019.375	18009.375
22	18023.125	19033.125	22'	19033.125	18023.125
23	18036.875	19046.875	23'	19046.875	18036.875
24	18050.625	19060.625	24'	19060.625	18050.625
25	18064.375	19074.375	25'	19074.375	18064.375
26	18078.125	19088.125	26'	19088.125	18078.125
27	18091.875	19101.875	27'	19101.875	18091.875
28	18105.625	19115.625	28'	19115.625	18105.625
29	18119.375	19129.375	29'	19129.375	18119.375
30	18133.125	19143.125	30'	19143.125	18133.125
31	18146.875	19156.875	31'	19156.875	18146.875
32	18160.625	19170.625	32'	19170.625	18160.625
33	18174.375	19184.375	33'	19184.375	18174.375
34	18188.125	19198.125	34'	19198.125	18188.125
35	18201.875	19211.875	35'	19211.875	18201.875
36	18215.625	19225.625	36'	19225.625	18215.625

Table-13-8 18 GHz France (3) 13.75 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
33	18174.375	19184.375	33'	19184.375	18174.375
34	18188.125	19198.125	34'	19198.125	18188.125
35	18201.875	19211.875	35'	19211.875	18201.875
36	18215.625	19225.625	36'	19225.625	18215.625
37	18229.375	19239.375	37'	19239.375	18229.375
38	18243.125	19253.125	38'	19253.125	18243.125
39	18256.875	19266.875	39'	19266.875	18256.875
40	18270.625	19280.625	40'	19280.625	18270.625
41	18284.375	19294.375	41'	19294.375	18284.375
42	18298.125	19308.125	42'	19308.125	18298.125
43	18311.875	19321.875	43'	19321.875	18311.875
44	18325.625	19335.625	44'	19335.625	18325.625
45	18339.375	19349.375	45'	19349.375	18339.375
46	18353.125	19363.125	46'	19363.125	18353.125
47	18366.875	19376.875	47'	19376.875	18366.875
48	18380.625	19390.625	48'	19390.625	18380.625
49	18394.375	19404.375	49'	19404.375	18394.375
50	18408.125	19418.125	50'	19418.125	18408.125
51	18421.875	19431.875	51'	19431.875	18421.875
52	18435.625	19445.625	52'	19445.625	18435.625
53	18449.375	19459.375	53'	19459.375	18449.375
54	18463.125	19473.125	54'	19473.125	18463.125
55	18476.875	19486.875	55'	19486.875	18476.875
56	18490.625	19500.625	56'	19500.625	18490.625
57	18504.375	19514.375	57'	19514.375	18504.375
58	18518.125	19528.125	58'	19528.125	18518.125
59	18531.875	19541.875	59'	19541.875	18531.875
60	18545.625	19555.625	60'	19555.625	18545.625
61	18559.375	19569.375	61'	19569.375	18559.375
62	18573.125	19583.125	62'	19583.125	18573.125
63	18586.875	19596.875	63'	19596.875	18586.875
64	18600.625	19610.625	64'	19610.625	18600.625
65	18614.375	19624.375	65'	19624.375	18614.375
66	18628.125	19638.125	66'	19638.125	18628.125
67	18641.875	19651.875	67'	19651.875	18641.875
68	18655.625	19665.625	68'	19665.625	18655.625
69	18669.375	19679.375	69'	19679.375	18669.375
70	18683.125	19693.125	70'	19693.125	18683.125

Table-13-9 18 GHz ETSI/ITU (3) 13.75 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
35	18181.25	19191.25	35'	19191.25	18181.25
36	18195	19205	36'	19205	18195
37	18208.75	19218.75	37'	19218.75	18208.75
38	18222.5	19232.5	38'	19232.5	18222.5
39	18236.25	19246.25	39'	19246.25	18236.25
40	18250	19260	40'	19260	18250
41	18263.75	19273.75	41'	19273.75	18263.75
42	18277.5	19287.5	42'	19287.5	18277.5
43	18291.25	19301.25	43'	19301.25	18291.25
44	18305	19315	44'	19315	18305
45	18318.75	19328.75	45'	19328.75	18318.75
46	18332.5	19342.5	46'	19342.5	18332.5
47	18346.25	19356.25	47'	19356.25	18346.25
48	18360	19370	48'	19370	18360
49	18373.75	19383.75	49'	19383.75	18373.75
50	18387.5	19397.5	50'	19397.5	18387.5
51	18401.25	19411.25	51'	19411.25	18401.25
52	18415	19425	52'	19425	18415
53	18428.75	19438.75	53'	19438.75	18428.75
54	18442.5	19452.5	54'	19452.5	18442.5
55	18456.25	19466.25	55'	19466.25	18456.25
56	18470	19480	56'	19480	18470
57	18483.75	19493.75	57'	19493.75	18483.75
58	18497.5	19507.5	58'	19507.5	18497.5
59	18511.25	19521.25	59'	19521.25	18511.25
60	18525	19535	60'	19535	18525
61	18538.75	19548.75	61'	19548.75	18538.75
62	18552.5	19562.5	62'	19562.5	18552.5
63	18566.25	19576.25	63'	19576.25	18566.25
64	18580	19590	64'	19590	18580
65	18593.75	19603.75	65'	19603.75	18593.75
66	18607.5	19617.5	66'	19617.5	18607.5
67	18621.25	19631.25	67'	19631.25	18621.25
68	18635	19645	68'	19645	18635
69	18648.75	19658.75	69'	19658.75	18648.75
70	18662.5	19672.5	70'	19672.5	18662.5

Table-13-10 18 GHz Australian 13.75 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	18305	19315	1'	19315	18305
2	18318.75	19328.75	2'	19328.75	18318.75
3	18332.5	19342.5	3'	19342.5	18332.5
4	18346.25	19356.25	4'	19356.25	18346.25
5	18360	19370	5'	19370	18360
6	18373.75	19383.75	6'	19383.75	18373.75
7	18387.5	19397.5	7'	19397.5	18387.5
8	18401.25	19411.25	8'	19411.25	18401.25
9	18415	19425	9'	19425	18415
10	18428.75	19438.75	10'	19438.75	18428.75
11	18442.5	19452.5	11'	19452.5	18442.5
12	18456.25	19466.25	12'	19466.25	18456.25
13	18470	19480	13'	19480	18470
14	18483.75	19493.75	14'	19493.75	18483.75
15	18497.5	19507.5	15'	19507.5	18497.5
16	18511.25	19521.25	16'	19521.25	18511.25
17	18525	19535	17'	19535	18525
18	18538.75	19548.75	18'	19548.75	18538.75
19	18552.5	19562.5	19'	19562.5	18552.5
20	18566.25	19576.25	20'	19576.25	18566.25

Table-13-11 18 FCC (1) 20 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	17750	19310	1'	19310	17750
2	17770	19330	2'	19330	17770
3	17790	19350	3'	19350	17790
4	17810	19370	4'	19370	17810
5	17830	19390	5'	19390	17830
6	17850	19410	6'	19410	17850
7	17870	19430	7'	19430	17870
8	17890	19450	8'	19450	17890
9	17910	19470	9'	19470	17910
10	17930	19490	10'	19490	17930
11	17950	19510	11'	19510	17950
12	17970	19530	12'	19530	17970
13	17990	19550	13'	19550	17990
14	18010	19570	14'	19570	18010
15	18030	19590	15'	19590	18030
16	18050	19610	16'	19610	18050
17	18070	19630	17'	19630	18070
18	18090	19650	18'	19650	18090
19	18110	19670	19'	19670	18110
20	18130	19690	20'	19690	18130

Table-13-12 18 IC (1) 20 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
K1	17810	19370	K1'	19370	17810
K2	17830	19390	K2'	19390	17830
K3	17850	19410	K3'	19410	17850
K4	17870	19430	K4'	19430	17870
K5	17890	19450	K5'	19450	17890
K6	17910	19470	K6'	19470	17910
K7	17930	19490	K7'	19490	17930
K8	17950	19510	K8'	19510	17950
K9	17970	19530	K9'	19530	17970
K10	17990	19550	K10'	19550	17990
K11	18010	19570	K11'	19570	18010
K12	18030	19590	K12'	19590	18030
K13	18050	19610	K13'	19610	18050
K14	18070	19630	K14'	19630	18070
K15	18090	19650	K15'	19650	18090
K16	18110	19670	K16'	19670	18110
K17	18130	19690	K17'	19690	18130

Table-13-13 18 GHz Brazil 27.5 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	17727.5	19287.5	1'	19287.5	17727.5
2	17755	19315	2'	19315	17755
3	17782.5	19342.5	3'	19342.5	17782.5
4	17810	19370	4'	19370	17810
5	17837.5	19397.5	5'	19397.5	17837.5
6	17865	19425	6'	19425	17865
7	17892.5	19452.5	7'	19452.5	17892.5
8	17920	19480	8'	19480	17920
9	17947.5	19507.5	9'	19507.5	17947.5
10	17975	19535	10'	19535	17975
11	18002.5	19582.5	11'	19582.5	18002.5
12	18030	19590	12'	19590	18030
13	18057.5	19617.5	13'	19617.5	18057.5
14	18085	19645	14'	19645	18085
15	18112.5	19672.5	15'	19672.5	18112.5

Table-13-14 18 GHz ETSI/ITU (2) 27.5 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	17727.5	18737.5	1'	18737.5	17727.5
2	17755	18765	2'	18765	17755
3	17782.5	18792.5	3'	18792.5	17782.5
4	17810	18820	4'	18820	17810
5	17837.5	18847.5	5'	18847.5	17837.5
6	17865	18875	6'	18875	17865
7	17892.5	18902.5	7'	18902.5	17892.5
8	17920	18930	8'	18930	17920
9	17947.5	18957.5	9'	18957.5	17947.5
10	17975	18985	10'	18985	17975
11	18002.5	19012.5	11'	19012.5	18002.5
12	18030	19040	12'	19040	18030
13	18057.5	19067.5	13'	19067.5	18057.5
14	18085	19095	14'	19095	18085
15	18112.5	19122.5	15'	19122.5	18112.5
16	18140	19150	16'	19150	18140
17	18167.5	19177.5	17'	19177.5	18167.5
18	18195	19205	18'	19205	18195

Table-13-15 18 GHz ETSI/ITU (3) 27.5 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
18	18195	19205	18'	19205	18195
19	18222.5	19232.5	19'	19232.5	18222.5
20	18250	19260	20'	19260	18250
21	18277.5	19287.5	21'	19287.5	18277.5
22	18305	19315	22'	19315	18305
23	18332.5	19342.5	23'	19342.5	18332.5
24	18360	19370	24'	19370	18360
25	18387.5	19397.5	25'	19397.5	18387.5
26	18415	19425	26'	19425	18415
27	18442.5	19452.5	27'	19452.5	18442.5
28	18470	19480	28'	19480	18470
29	18497.5	19507.5	29'	19507.5	18497.5
30	18525	19535	30'	19535	18525
31	18552.5	19562.5	31'	19562.5	18552.5
32	18580	19590	32'	19590	18580
33	18607.5	19617.5	33'	19617.5	18607.5
34	18635	19645	34'	19645	18635
35	18662.5	19672.5	35'	19672.5	18662.5

Table-13-16 18 GHz France (2) 27.5 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	17741.25	18751.25	1'	18751.25	17741.25
2	17768.75	18778.75	2'	18778.75	17768.75
3	17796.25	18806.25	3'	18806.25	17796.25
4	17823.75	18833.75	4'	18833.75	17823.75
5	17851.25	18861.25	5'	18861.25	17851.25
6	17878.75	18888.75	6'	18888.75	17878.75
7	17906.25	18916.25	7'	18916.25	17906.25
8	17933.75	18943.75	8'	18943.75	17933.75
9	17961.25	18971.25	9'	18971.25	17961.25
10	17988.75	18998.75	10'	18998.75	17988.75
11	18016.25	19026.25	11'	19026.25	18016.25
12	18043.75	19053.75	12'	19053.75	18043.75
13	18071.25	19081.25	13'	19081.25	18071.25
14	18098.75	19108.75	14'	19108.75	18098.75
15	18126.25	19136.25	15'	19136.25	18126.25
16	18153.75	19163.75	16'	19163.75	18153.75
17	18181.25	19191.25	17'	19191.25	18181.25
18	18208.75	19218.75	18'	19218.75	18208.75

Table-13-17 18 GHz France (3) 27.5 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
17	18181.25	19191.25	17'	19191.25	18181.25
18	18208.75	19218.75	18'	19218.75	18208.75
19	18236.25	19246.25	19'	19246.25	18236.25
20	18263.75	19273.75	20'	19273.75	18263.75
21	18291.25	19301.25	21'	19301.25	18291.25
22	18318.75	19328.75	22'	19328.75	18318.75
23	18346.25	19356.25	23'	19356.25	18346.25
24	18373.75	19383.75	24'	19383.75	18373.75
25	18401.25	19411.25	25'	19411.25	18401.25
26	18428.75	19438.75	26'	19438.75	18428.75
27	18456.25	19466.25	27'	19466.25	18456.25
28	18483.75	19493.75	28'	19493.75	18483.75
29	18511.25	19521.25	29'	19521.25	18511.25
30	18538.75	19548.75	30'	19548.75	18538.75
31	18566.25	19576.25	31'	19576.25	18566.25
32	18593.75	19603.75	32'	19603.75	18593.75
33	18621.25	19631.25	33'	19631.25	18621.25
34	18648.75	19658.75	34'	19658.75	18648.75
35	18676.25	19686.25	35'	19686.25	18676.25

Table-13-18 18 GHz Australian 27.5 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	18305	19315	1'	19315	18305
2	18332.5	19342.5	2'	19342.5	18332.5
3	18360	19370	3'	19370	18360
4	18387.5	19397.5	4'	19397.5	18387.5
5	18415	19425	5'	19425	18415
6	18442.5	19452.5	6'	19452.5	18442.5
7	18470	19480	7'	19480	18470
8	18497.5	19507.5	8'	19507.5	18497.5
9	18525	19535	9'	19535	18525
10	18552.5	19562.5	10'	19562.5	18552.5

Table-13-19 18 GHz Mexico (4) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	18610	18950	1'	18950	18610
2	18640	18980	2'	18980	18640
3	18670	19010	3'	19010	18670
4	18700	19040	4'	19040	18700
5	18730	19070	5'	19070	18730

Table-13-20 18 GHz Mexico (5) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
6	18760	19100	6'	19100	18760
7	18790	19130	7'	19130	18790
8	18820	19160	8'	19160	18820
9	18850	19190	9'	19190	18850
10	18880	19220	10'	19220	18880

Table-13-21 18 GHz FCC (1) 30 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	17755	19315	1'	19315	17755
2	17785	19345	2'	19345	17785
3	17815	19375	3'	19375	17815
4	17845	19405	4'	19405	17845
5	17875	19435	5'	19435	17875
6	17905	19465	6'	19465	17905
7	17935	19495	7'	19495	17935
8	17965	19525	8'	19525	17965
9	17995	19555	9'	19555	17995
10	18025	19585	10'	19585	18025
11	18055	19615	11'	19615	18055
12	18085	19645	12'	19645	18085
13	18115	19675	13'	19675	18115

Table-13-22 18 GHz IC (1) 30 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
G1	17815	19375	G1'	19375	17815
G2	17845	19405	G2'	19405	17845
G3	17875	19435	G3'	19435	17875
G4	17905	19465	G4'	19465	17905
G5	17935	19495	G5'	19495	17935
G6	17965	19525	G6'	19525	17965
G7	17995	19555	G7'	19555	17995
G8	18025	19585	G8'	19585	18025
G9	18055	19615	G9'	19615	18055
G10	18085	19645	G10'	19645	18085
G11	18115	19675	G11'	19675	18115

Table-13-23 18 GHz FCC 40 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	17720	19280	1'	19280	17720
2	17760	19320	2'	19320	17760
3	17800	19360	3'	19360	17800
4	17840	19400	4'	19400	17840
5	17880	19440	5'	19440	17880
6	17920	19480	6'	19480	17920
7	17960	19520	7'	19520	17960
8	18000	19560	8'	19560	18000
9	18040	19600	9'	19600	18040
10	18080	19640	10'	19640	18080
11	18120	19680	11'	19680	18120

Table-13-24 18 GHz IC 40 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
D1	17840	19400	D1'	19400	17840
D2	17880	19440	D2'	19440	17880
D3	17920	19480	D3'	19480	17920
D4	17960	19520	D4'	19520	17960
D5	18000	19560	D5'	19560	18000
D6	18040	19600	D6'	19600	18040
D7	18080	19640	D7'	19640	18080
D8	18120	19680	D8'	19680	18120

Table-13-25 18 GHz FCC/IC 50 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	17765	19325	1'	19325	17765
2	17815	19375	2'	19375	17815
3	17865	19425	3'	19425	17865
4	17915	19475	4'	19475	17915
5	17965	19525	5'	19525	17965
6	18015	19575	6'	19575	18015
7	18065	19625	7'	19625	18065
8	18115	19645	8'	19645	18115

Table-13-26 18 GHz IC 50 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
B1	18165	19325	B1'	19325	18165
B2	18215	19375	B2'	19375	18215

Table-13-27 18 GHz Brazil 55 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	17727.5	19287.5	1'	19287.5	17727.5
2	17782.5	19342.5	2'	19342.5	17782.5
3	17837.5	19397.5	3'	19397.5	17837.5
4	17892.5	19452.5	4'	19452.5	17892.5
5	17947.5	19507.5	5'	19507.5	17947.5
6	18002.5	19562.5	6'	19562.5	18002.5
7	18057.5	19617.5	7'	19617.5	18057.5
8	18112.5	19672.5	8'	19672.5	18112.5

Table-13-28 18 GHz ETSI/ITU/France (2) 55 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	17755	18765	1'	18765	17755
2	17810	18820	2'	18820	17810
3	17865	18875	3'	18875	17865
4	17920	18930	4'	18930	17920
5	17975	18985	5'	18985	17975
6	18030	19040	6'	19040	18030
7	18085	19095	7'	19095	18085
8	18140	19150	8'	19150	18140
9	18195	19205	9'	19205	18195

Table-13-29 18 GHz ETSI/ITU/France (3) 55 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
9	18195	19205	9'	19205	18195
10	18250	19260	10'	19260	18250
11	18305	19315	11'	19315	18305
12	18360	19370	12'	19370	18360
13	18415	19425	13'	19425	18415
14	18470	19480	14'	19480	18470
15	18525	19535	15'	19535	18525
16	18580	19590	16'	19590	18580
17	18635	19645	17'	19645	18635

Table-13-30 18 GHz Australian 55 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	18360	19370	1'	19370	18360
2	18415	19425	2'	19425	18415
3	18470	19480	3'	19480	18470
4	18525	19535	4'	19535	18525
5	18580	19590	5'	19590	18580

14.0 23 GHz Frequency Tables

Table-14-1 23 GHz ITU-R F637-3 Annex 1 (1) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	21227.5	22459.5	1'	22459.5	21227.5
2	21234.5	22466.5	2'	22466.5	21234.5
3	21241.5	22473.5	3'	22473.5	21241.5
4	21248.5	22480.5	4'	22480.5	21248.5
5	21255.5	22487.5	5'	22487.5	21255.5
6	21262.5	22494.5	6'	22494.5	21262.5
7	21269.5	22501.5	7'	22501.5	21269.5
8	21276.5	22508.5	8'	22508.5	21276.5
9	21283.5	22515.5	9'	22515.5	21283.5
10	21290.5	22522.5	10'	22522.5	21290.5
11	21297.5	22529.5	11'	22529.5	21297.5
12	21304.5	22536.5	12'	22536.5	21304.5
13	21311.5	22543.5	13'	22543.5	21311.5
14	21318.5	22550.5	14'	22550.5	21318.5
15	21325.5	22557.5	15'	22557.5	21325.5
16	21332.5	22564.5	16'	22564.5	21332.5
17	21339.5	22571.5	17'	22571.5	21339.5
18	21346.5	22578.5	18'	22578.5	21346.5
19	21353.5	22585.5	19'	22585.5	21353.5
20	21360.5	22592.5	20'	22592.5	21360.5
21	21367.5	22599.5	21'	22599.5	21367.5
22	21374.5	22606.5	22'	22606.5	21374.5
23	21381.5	22613.5	23'	22613.5	21381.5
24	21388.5	22620.5	24'	22620.5	21388.5
25	21395.5	22627.5	25'	22627.5	21395.5
26	21402.5	22634.5	26'	22634.5	21402.5
27	21409.5	22641.5	27'	22641.5	21409.5
28	21416.5	22648.5	28'	22648.5	21416.5
29	21423.5	22655.5	29'	22655.5	21423.5
30	21430.5	22662.5	30'	22662.5	21430.5
31	21437.5	22669.5	31'	22669.5	21437.5
32	21444.5	22676.5	32'	22676.5	21444.5
33	21451.5	22683.5	33'	22683.5	21451.5
34	21458.5	22690.5	34'	22690.5	21458.5
35	21465.5	22697.5	35'	22697.5	21465.5
36	21472.5	22704.5	36'	22704.5	21472.5
37	21479.5	22711.5	37'	22711.5	21479.5
38	21486.5	22718.5	38'	22718.5	21486.5
39	21493.5	22725.5	39'	22725.5	21493.5
40	21500.5	22732.5	40'	22732.5	21500.5
41	21507.5	22739.5	41'	22739.5	21507.5
42	21514.5	22746.5	42'	22746.5	21514.5
43	21521.5	22753.5	43'	22753.5	21521.5
44	21528.5	22760.5	44'	22760.5	21528.5
45	21535.5	22767.5	45'	22767.5	21535.5
46	21542.5	22774.5	46'	22774.5	21542.5
47	21549.5	22781.5	47'	22781.5	21549.5
48	21556.5	22788.5	48'	22788.5	21556.5
49	21563.5	22795.5	49'	22795.5	21563.5
50	21570.5	22802.5	50'	22802.5	21570.5
51	21577.5	22809.5	51'	22809.5	21577.5
52	21584.5	22816.5	52'	22816.5	21584.5
53	21591.5	22823.5	53'	22823.5	21591.5
54	21598.5	22830.5	54'	22830.5	21598.5

Table-14-2 23 GHz ITU-R F637-3 Annex 1 (2) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
55	21605.5	22837.5	55'	22837.5	21605.5
56	21612.5	22844.5	56'	22844.5	21612.5
57	21619.5	22851.5	57'	22851.5	21619.5
58	21626.5	22858.5	58'	22858.5	21626.5
59	21633.5	22865.5	59'	22865.5	21633.5
60	21640.5	22872.5	60'	22872.5	21640.5
61	21647.5	22879.5	61'	22879.5	21647.5
62	21654.5	22886.5	62'	22886.5	21654.5
63	21661.5	22893.5	63'	22893.5	21661.5
64	21668.5	22900.5	64'	22900.5	21668.5
65	21675.5	22907.5	65'	22907.5	21675.5
66	21682.5	22914.5	66'	22914.5	21682.5
67	21689.5	22921.5	67'	22921.5	21689.5
68	21696.5	22928.5	68'	22928.5	21696.5
69	21703.5	22935.5	69'	22935.5	21703.5
70	21710.5	22942.5	70'	22942.5	21710.5
71	21717.5	22949.5	71'	22949.5	21717.5
72	21724.5	22956.5	72'	22956.5	21724.5
73	21731.5	22963.5	73'	22963.5	21731.5
74	21738.5	22970.5	74'	22970.5	21738.5
75	21745.5	22977.5	75'	22977.5	21745.5
76	21752.5	22984.5	76'	22984.5	21752.5
77	21759.5	22991.5	77'	22991.5	21759.5
78	21766.5	22998.5	78'	22998.5	21766.5
79	21773.5	23005.5	79'	23005.5	21773.5
80	21780.5	23012.5	80'	23012.5	21780.5
81	21787.5	23019.5	81'	23019.5	21787.5
82	21794.5	23026.5	82'	23026.5	21794.5
83	21801.5	23033.5	83'	23033.5	21801.5
84	21808.5	23040.5	84'	23040.5	21808.5
85	21815.5	23047.5	85'	23047.5	21815.5
86	21822.5	23054.5	86'	23054.5	21822.5
87	21829.5	23061.5	87'	23061.5	21829.5
88	21836.5	23068.5	88'	23068.5	21836.5
89	21843.5	23075.5	89'	23075.5	21843.5
90	21850.5	23082.5	90'	23082.5	21850.5
91	21857.5	23089.5	91'	23089.5	21857.5
92	21864.5	23096.5	92'	23096.5	21864.5
93	21871.5	23103.5	93'	23103.5	21871.5
94	21878.5	23110.5	94'	23110.5	21878.5
95	21885.5	23117.5	95'	23117.5	21885.5
96	21892.5	23124.5	96'	23124.5	21892.5
97	21899.5	23131.5	97'	23131.5	21899.5
98	21906.5	23138.5	98'	23138.5	21906.5
99	21913.5	23145.5	99'	23145.5	21913.5
100	21920.5	23152.5	100'	23152.5	21920.5
101	21927.5	23159.5	101'	23159.5	21927.5
102	21934.5	23166.5	102'	23166.5	21934.5
103	21941.5	23173.5	103'	23173.5	21941.5
104	21948.5	23180.5	104'	23180.5	21948.5
105	21955.5	23187.5	105'	23187.5	21955.5
106	21962.5	23194.5	106'	23194.5	21962.5
107	21969.5	23201.5	107'	23201.5	21969.5
108	21976.5	23208.5	108'	23208.5	21976.5
109	21983.5	23215.5	109'	23215.5	21983.5
110	21990.5	23222.5	110'	23222.5	21990.5
111	21997.5	23229.5	111'	23229.5	21997.5
112	22004.5	23236.5	112'	23236.5	22004.5
113	22011.5	23243.5	113'	23243.5	22011.5
114	22018.5	23250.5	114'	23250.5	22018.5
115	22025.5	23257.5	115'	23257.5	22025.5

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
23 GHz ITU-R F637-3 Annex 1 (2) 7 MHz Channels - Continued					
116	22032.5	23264.5	116'	23264.5	22032.5
117	22039.5	23271.5	117'	23271.5	22039.5
118	22046.5	23278.5	118'	23278.5	22046.5
119	22053.5	23285.5	119'	23285.5	22053.5
120	22060.5	23292.5	120'	23292.5	22060.5

Table-14-3 23 GHz ITU-R F637-3 Annex 1 (3) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
121	22067.5	23299.5	121'	23299.5	22067.5
122	22074.5	23306.5	122'	23306.5	22074.5
123	22081.5	23313.5	123'	23313.5	22081.5
124	22088.5	23320.5	124'	23320.5	22088.5
125	22095.5	23327.5	125'	23327.5	22095.5
126	22102.5	23334.5	126'	23334.5	22102.5
127	22109.5	23341.5	127'	23341.5	22109.5
128	22116.5	23348.5	128'	23348.5	22116.5
129	22123.5	23355.5	129'	23355.5	22123.5
130	22130.5	23362.5	130'	23362.5	22130.5
131	22137.5	23369.5	131'	23369.5	22137.5
132	22144.5	23376.5	132'	23376.5	22144.5
133	22151.5	23383.5	133'	23383.5	22151.5
134	22158.5	23390.5	134'	23390.5	22158.5
135	22165.5	23397.5	135'	23397.5	22165.5
136	22172.5	23404.5	136'	23404.5	22172.5
137	22179.5	23411.5	137'	23411.5	22179.5
138	22186.5	23418.5	138'	23418.5	22186.5
139	22193.5	23425.5	139'	23425.5	22193.5
140	22200.5	23432.5	140'	23432.5	22200.5
141	22207.5	23439.5	141'	23439.5	22207.5
142	22214.5	23446.5	142'	23446.5	22214.5
143	22221.5	23453.5	143'	23453.5	22221.5
144	22228.5	23460.5	144'	23460.5	22228.5
145	22235.5	23467.5	145'	23467.5	22235.5
146	22242.5	23474.5	146'	23474.5	22242.5
147	22249.5	23481.5	147'	23481.5	22249.5
148	22256.5	23488.5	148'	23488.5	22256.5
149	22263.5	23495.5	149'	23495.5	22263.5
150	22270.5	23502.5	150'	23502.5	22270.5
151	22277.5	23509.5	151'	23509.5	22277.5
152	22284.5	23516.5	152'	23516.5	22284.5
153	22291.5	23523.5	153'	23523.5	22291.5
154	22298.5	23530.5	154'	23530.5	22298.5
155	22305.5	23537.5	155'	23537.5	22305.5
156	22312.5	23544.5	156'	23544.5	22312.5
157	22319.5	23551.5	157'	23551.5	22319.5
158	22326.5	23558.5	158'	23558.5	22326.5
159	22333.5	23565.5	159'	23565.5	22333.5
160	22340.5	23572.5	160'	23572.5	22340.5

Table-14-4 23 GHz ETSI (2) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	22011.5	23019.5	01'	23019.5	22011.5
2	22018.5	23026.5	02'	23026.5	22018.5
3	22025.5	23033.5	03'	23033.5	22025.5
4	22032.5	23040.5	04'	23040.5	22032.5
5	22039.5	23047.5	05'	23047.5	22039.5
6	22046.5	23054.5	06'	23054.5	22046.5
7	22053.5	23061.5	07'	23061.5	22053.5
8	22060.5	23068.5	08'	23068.5	22060.5
9	22067.5	23075.5	09'	23075.5	22067.5
10	22074.5	23082.5	10'	23082.5	22074.5
11	22081.5	23089.5	11'	23089.5	22081.5
12	22088.5	23096.5	12'	23096.5	22088.5
13	22095.5	23103.5	13'	23103.5	22095.5
14	22102.5	23110.5	14'	23110.5	22102.5

Table-14-5 23 GHz France (2) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	22006.25	23014.25	01'	23014.25	22006.25
2	22013.25	23021.25	02'	23021.25	22013.25
3	22020.25	23028.25	03'	23028.25	22020.25
4	22027.25	23035.25	04'	23035.25	22027.25
5	22034.25	23042.25	05'	23042.25	22034.25
6	22041.25	23049.25	06'	23049.25	22041.25
7	22048.25	23056.25	07'	23056.25	22048.25
8	22055.25	23063.25	08'	23063.25	22055.25
9	22062.25	23070.25	09'	23070.25	22062.25
10	22069.25	23077.25	10'	23077.25	22069.25
11	22076.25	23084.25	11'	23084.25	22076.25
12	22083.25	23091.25	12'	23091.25	22083.25
13	22090.25	23098.25	13'	23098.25	22090.25
14	22097.25	23105.25	14'	23105.25	22097.25

Table-14-6 23 GHz France (3) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
11	22076.25	23084.25	11'	23084.25	22076.25
12	22083.25	23091.25	12'	23091.25	22083.25
13	22090.25	23098.25	13'	23098.25	22090.25
14	22097.25	23105.25	14'	23105.25	22097.25
15	22104.25	23112.25	15'	23112.25	22104.25
16	22111.25	23119.25	16'	23119.25	22111.25
17	22118.25	23126.25	17'	23126.25	22118.25
18	22125.25	23133.25	18'	23133.25	22125.25
19	22132.25	23140.25	19'	23140.25	22132.25
20	22139.25	23147.25	20'	23147.25	22139.25
21	22146.25	23154.25	21'	23154.25	22146.25
22	22153.25	23161.25	22'	23161.25	22153.25
23	22160.25	23168.25	23'	23168.25	22160.25
24	22167.25	23175.25	24'	23175.25	22167.25
25	22174.25	23182.25	25'	23182.25	22174.25
26	22181.25	23189.25	26'	23189.25	22181.25
27	22188.25	23196.25	27'	23196.25	22188.25
28	22195.25	23203.25	28'	23203.25	22195.25
29	22202.25	23210.25	29'	23210.25	22202.25
30	22209.25	23217.25	30'	23217.25	22209.25
31	22216.25	23224.25	31'	23224.25	22216.25
32	22223.25	23231.25	32'	23231.25	22223.25

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
23 GHz France (3) 7 MHz Channels - continued					
33	22230.25	23238.25	33'	23238.25	22230.25
34	22237.25	23245.25	34'	23245.25	22237.25
35	22244.25	23252.25	35'	23252.25	22244.25
36	22251.25	23259.25	36'	23259.25	22251.25
37	22258.25	23266.25	37'	23266.25	22258.25
38	22265.25	23273.25	38'	23273.25	22265.25
39	22272.25	23280.25	39'	23280.25	22272.25
40	22279.25	23287.25	40'	23287.25	22279.25
41	22286.25	23294.25	41'	23294.25	22286.25
42	22293.25	23301.25	42'	23301.25	22293.25
43	22300.25	23308.25	43'	23308.25	22300.25
44	22307.25	23315.25	44'	23315.25	22307.25
45	22314.25	23322.25	45'	23322.25	22314.25
46	22321.25	23329.25	46'	23329.25	22321.25
47	22328.25	23336.25	47'	23336.25	22328.25
48	22335.25	23343.25	48'	23343.25	22335.25
49	22342.25	23350.25	49'	23350.25	22342.25
50	22349.25	23357.25	50'	23357.25	22349.25
51	22356.25	23364.25	51'	23364.25	22356.25
52	22363.25	23371.25	52'	23371.25	22363.25
53	22370.25	23378.25	53'	23378.25	22370.25
54	22377.25	23385.25	54'	23385.25	22377.25
55	22384.25	23392.25	55'	23392.25	22384.25
56	22391.25	23399.25	56'	23399.25	22391.25
57	22398.25	23406.25	57'	23406.25	22398.25
58	22405.25	23413.25	58'	23413.25	22405.25
59	22412.25	23420.25	59'	23420.25	22412.25
60	22419.25	23427.25	60'	23427.25	22419.25
61	22426.25	23434.25	61'	23434.25	22426.25
62	22433.25	23441.25	62'	23441.25	22433.25
63	22440.25	23448.25	63'	23448.25	22440.25
64	22447.25	23455.25	64'	23455.25	22447.25
65	22454.25	23462.25	65'	23462.25	22454.25
66	22461.25	23469.25	66'	23469.25	22461.25
67	22468.25	23476.25	67'	23476.25	22468.25
68	22475.25	23483.25	68'	23483.25	22475.25
69	22482.25	23490.25	69'	23490.25	22482.25
70	22489.25	23497.25	70'	23497.25	22489.25
71	22496.25	23504.25	71'	23504.25	22496.25
72	22503.25	23511.25	72'	23511.25	22503.25
73	22510.25	23518.25	73'	23518.25	22510.25
74	22517.25	23525.25	74'	23525.25	22517.25
75	22524.25	23532.25	75'	23532.25	22524.25
76	22531.25	23539.25	76'	23539.25	22531.25
77	22538.25	23546.25	77'	23546.25	22538.25
78	22545.25	23553.25	78'	23553.25	22545.25
79	22552.25	23560.25	79'	23560.25	22552.25
80	22559.25	23567.25	80'	23567.25	22559.25
81	22566.25	23574.25	81'	23574.25	22566.25
82	22573.25	23581.25	82'	23581.25	22573.25
83	22580.25	23588.25	83'	23588.25	22580.25
84	22587.25	23595.25	84'	23595.25	22587.25

Table-14-7 23 GHz Australia (3) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	22123.5	23355.5	1'	23355.5	22123.5
2	22130.5	23362.5	2'	23362.5	22130.5
3	22137.5	23369.5	3'	23369.5	22137.5
4	22144.5	23376.5	4'	23376.5	22144.5
5	22151.5	23383.5	5'	23383.5	22151.5
6	22158.5	23390.5	6'	23390.5	22158.5
7	22165.5	23397.5	7'	23397.5	22165.5
8	22172.5	23404.5	8'	23404.5	22172.5

Table-14-8 23 GHz Mexico (1) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	21231	22463	1'	22463	21231
2	21238	22470	2'	22470	21238
3	21245	22477	3'	22477	21245
4	21252	22484	4'	22484	21252
5	21259	22491	5'	22491	21259
6	21266	22498	6'	22498	21266
7	21273	22505	7'	22505	21273
8	21280	22512	8'	22512	21280
9	21287	22519	9'	22519	21287
10	21294	22526	10'	22526	21294
11	21301	22533	11'	22533	21301
12	21308	22540	12'	22540	21308
13	21315	22547	13'	22547	21315
14	21322	22554	14'	22554	21322
15	21329	22561	15'	22561	21329
16	21336	22568	16'	22568	21336
17	21343	22575	17'	22575	21343
18	21350	22582	18'	22582	21350
19	21357	22589	19'	22589	21357
20	21364	22596	20'	22596	21364
21	21371	22603	21'	22603	21371
22	21378	22610	22'	22610	21378
23	21385	22617	23'	22617	21385
24	21392	22624	24'	22624	21392
25	21399	22631	25'	22631	21399
26	21406	22638	26'	22638	21406
27	21413	22645	27'	22645	21413
28	21420	22652	28'	22652	21420
29	21427	22659	29'	22659	21427
30	21434	22666	30'	22666	21434
31	21441	22673	31'	22673	21441
32	21448	22680	32'	22680	21448
33	21455	22687	33'	22687	21455
34	21462	22694	34'	22694	21462
35	21469	22701	35'	22701	21469
36	21476	22708	36'	22708	21476
37	21483	22715	37'	22715	21483
38	21490	22722	38'	22722	21490
39	21497	22729	39'	22729	21497
40	21504	22736	40'	22736	21504
41	21511	22743	41'	22743	21511
42	21518	22750	42'	22750	21518
43	21525	22757	43'	22757	21525
44	21532	22764	44'	22764	21532
45	21539	22771	45'	22771	21539
46	21546	22778	46'	22778	21546
47	21553	22785	47'	22785	21553
48	21560	22792	48'	22792	21560

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
23 GHz Mexico (1) 7 MHz Channels - continued					
49	21567	22799	49'	22799	21567
50	21574	22806	50'	22806	21574
51	21581	22813	51'	22813	21581
52	21588	22820	52'	22820	21588
53	21595	22827	53'	22827	21595
54	21602	22834	54'	22834	21602
55	21609	22841	55'	22841	21609
56	21616	22848	56'	22848	21616

Table-14-9 23 GHz Mexico (2) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
57	21623	22855	57'	22855	21623
58	21630	22862	58'	22862	21630
59	21637	22869	59'	22869	21637
60	21644	22876	60'	22876	21644

Table-14-10 23 GHz Brazil (2) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
A2	21808.5	23040.5	A2'	23040.5	21808.5
A4	21815.5	23047.5	A4'	23047.5	21815.5
A6	21822.5	23054.5	A6'	23054.5	21822.5
A8	21829.5	23061.5	A8'	23061.5	21829.5
A10	21836.5	23068.5	A10'	23068.5	21836.5
A12	21843.5	23075.5	A12'	23075.5	21843.5
A14	21850.5	23082.5	A14'	23082.5	21850.5
A16	21857.5	23089.5	A16'	23089.5	21857.5
A18	21864.5	23096.5	A18'	23096.5	21864.5
A20	21871.5	23103.5	A20'	23103.5	21871.5
A22	21878.5	23110.5	A22'	23110.5	21878.5
A24	21885.5	23117.5	A24'	23117.5	21885.5
A26	21892.5	23124.5	A26'	23124.5	21892.5
A28	21899.5	23131.5	A28'	23131.5	21899.5
A30	21906.5	23138.5	A30'	23138.5	21906.5
A32	21913.5	23145.5	A32'	23145.5	21913.5
A34	21920.5	23152.5	A34'	23152.5	21920.5
A36	21927.5	23159.5	A36'	23159.5	21927.5
A38	21934.5	23166.5	A38'	23166.5	21934.5
A40	21941.5	23173.5	A40'	23173.5	21941.5
B2	21952	23184	B2'	23184	21952
B4	21959	23191	B4'	23191	21959
B6	21966	23198	B6'	23198	21966
B8	21973	23205	B8'	23205	21973
B10	21980	23212	B10'	23212	21980
B12	21987	23219	B12'	23219	21987
B14	21994	23226	B14'	23226	21994
B16	22001	23233	B16'	23233	22001
B18	22008	23240	B18'	23240	22008
B20	22015	23247	B20'	23247	22015
B22	22022	23254	B22'	23254	22022
B24	22029	23261	B24'	23261	22029
B26	22036	23268	B26'	23268	22036
B28	22043	23275	B28'	23275	22043
B30	22050	23282	B30'	23282	22050
B32	22057	23289	B32'	23289	22057
B34	22064	23296	B34'	23296	22064
B36	22071	23303	B36'	23303	22071

Table-14-11 23 GHz Brazil (3) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
B38	22078	23310	B38'	23310	22078
B40	22085	23317	B40'	23317	22085
C2	22095.5	23327.5	C2'	23327.5	22095.5
C4	22102.5	23334.5	C4'	23334.5	22102.5
C6	22109.5	23341.5	C6'	23341.5	22109.5
C8	22116.5	23348.5	C8'	23348.5	22116.5
C10	22123.5	23355.5	C10'	23355.5	22123.5
C12	22130.5	23362.5	C12'	23362.5	22130.5
C14	22137.5	23369.5	C14'	23369.5	22137.5
C16	22144.5	23376.5	C16'	23376.5	22144.5
C18	22151.5	23383.5	C18'	23383.5	22151.5
C20	22158.5	23390.5	C20'	23390.5	22158.5
C22	22165.5	23397.5	C22'	23397.5	22165.5
C24	22172.5	23404.5	C24'	23404.5	22172.5
C26	22179.5	23411.5	C26'	23411.5	22179.5
C28	22186.5	23418.5	C28'	23418.5	22186.5
C30	22193.5	23425.5	C30'	23425.5	22193.5
C32	22200.5	23432.5	C32'	23432.5	22200.5
C34	22207.5	23439.5	C34'	23439.5	22207.5
C36	22214.5	23446.5	C36'	23446.5	22214.5
C38	22221.5	23453.5	C38'	23453.5	22221.5
D1	22232	23464	D1'	23464	22232
D3	22239	23471	D3'	23471	22239
D5	22246	23478	D5'	23478	22246
D7	22253	23485	D7'	23485	22253
D9	22260	23492	D9'	23492	22260
D11	22267	23499	D11'	23499	22267
D13	22274	23506	D13'	23506	22274
D15	22281	23513	D15'	23513	22281
D17	22288	23520	D17'	23520	22288
D19	22295	23527	D19'	23527	22295
D21	22302	23534	D21'	23534	22302
D23	22309	23541	D23'	23541	22309
D25	22316	23548	D25'	23548	22316
D27	22323	23555	D27'	23555	22323
D29	22330	23562	D29'	23562	22330
D31	22337	23569	D31'	23569	22337
D33	22344	23576	D33'	23576	22344
D35	22351	23583	D35'	23583	22351
D37	22358	23590	D37'	23590	22358

Table-14-12 23 GHz ETSI (3) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
9	22067.5	23075.5	09'	23075.5	22067.5
10	22074.5	23082.5	10'	23082.5	22074.5
11	22081.5	23089.5	11'	23089.5	22081.5
12	22088.5	23096.5	12'	23096.5	22088.5
13	22095.5	23103.5	13'	23103.5	22095.5
14	22102.5	23110.5	14'	23110.5	22102.5
15	22109.5	23117.5	15'	23117.5	22109.5
16	22116.5	23124.5	16'	23124.5	22116.5
17	22123.5	23131.5	17'	23131.5	22123.5
18	22130.5	23138.5	18'	23138.5	22130.5
19	22137.5	23145.5	19'	23145.5	22137.5
20	22144.5	23152.5	20'	23152.5	22144.5
21	22151.5	23159.5	21'	23159.5	22151.5
22	22158.5	23166.5	22'	23166.5	22158.5
23	22165.5	23173.5	23'	23173.5	22165.5
24	22172.5	23180.5	24'	23180.5	22172.5
25	22179.5	23187.5	25'	23187.5	22179.5
26	22186.5	23194.5	26'	23194.5	22186.5
27	22193.5	23201.5	27'	23201.5	22193.5
28	22200.5	23208.5	28'	23208.5	22200.5
29	22207.5	23215.5	29'	23215.5	22207.5
30	22214.5	23222.5	30'	23222.5	22214.5
31	22221.5	23229.5	31'	23229.5	22221.5
32	22228.5	23236.5	32'	23236.5	22228.5
33	22235.5	23243.5	33'	23243.5	22235.5
34	22242.5	23250.5	34'	23250.5	22242.5
35	22249.5	23257.5	35'	23257.5	22249.5
36	22256.5	23264.5	36'	23264.5	22256.5
37	22263.5	23271.5	37'	23271.5	22263.5
38	22270.5	23278.5	38'	23278.5	22270.5
39	22277.5	23285.5	39'	23285.5	22277.5
40	22284.5	23292.5	40'	23292.5	22284.5
41	22291.5	23299.5	41'	23299.5	22291.5
42	22298.5	23306.5	42'	23306.5	22298.5
43	22305.5	23313.5	43'	23313.5	22305.5
44	22312.5	23320.5	44'	23320.5	22312.5
45	22319.5	23327.5	45'	23327.5	22319.5
46	22326.5	23334.5	46'	23334.5	22326.5
47	22333.5	23341.5	47'	23341.5	22333.5
48	22340.5	23348.5	48'	23348.5	22340.5
49	22347.5	23355.5	49'	23355.5	22347.5
50	22354.5	23362.5	50'	23362.5	22354.5
51	22361.5	23369.5	51'	23369.5	22361.5
52	22368.5	23376.5	52'	23376.5	22368.5
53	22375.5	23383.5	53'	23383.5	22375.5
54	22382.5	23390.5	54'	23390.5	22382.5
55	22389.5	23397.5	55'	23397.5	22389.5
56	22396.5	23404.5	56'	23404.5	22396.5
57	22403.5	23411.5	57'	23411.5	22403.5
58	22410.5	23418.5	58'	23418.5	22410.5
59	22417.5	23425.5	59'	23425.5	22417.5
60	22424.5	23432.5	60'	23432.5	22424.5
61	22431.5	23439.5	61'	23439.5	22431.5
62	22438.5	23446.5	62'	23446.5	22438.5
63	22445.5	23453.5	63'	23453.5	22445.5
64	22452.5	23460.5	64'	23460.5	22452.5
65	22459.5	23467.5	65'	23467.5	22459.5
66	22466.5	23474.5	66'	23474.5	22466.5
67	22473.5	23481.5	67'	23481.5	22473.5
68	22480.5	23488.5	68'	23488.5	22480.5
69	22487.5	23495.5	69'	23495.5	22487.5

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
23 GHz ETSI (3) 7 MHz Channels - continued					
70	22494.5	23502.5	70'	23502.5	22494.5
71	22501.5	23509.5	71'	23509.5	22501.5
72	22508.5	23516.5	72'	23516.5	22508.5
73	22515.5	23523.5	73'	23523.5	22515.5
74	22522.5	23530.5	74'	23530.5	22522.5
75	22529.5	23537.5	75'	23537.5	22529.5
76	22536.5	23544.5	76'	23544.5	22536.5
77	22543.5	23551.5	77'	23551.5	22543.5
78	22550.5	23558.5	78'	23558.5	22550.5
79	22557.5	23565.5	79'	23565.5	22557.5
80	22564.5	23572.5	80'	23572.5	22564.5
81	22571.5	23579.5	81'	23579.5	22571.5
82	22578.5	23586.5	82'	23586.5	22578.5
83	22585.5	23593.5	83'	23593.5	22585.5

Table-14-13 23 GHz IC (2) 10 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
60	21805	23005	60'	23005	21805
59	21815	23015	59'	23015	21815
58	21825	23025	58'	23025	21825
57	21835	23035	57'	23035	21835
56	21845	23045	56'	23045	21845
55	21855	23055	55'	23055	21855
54	21865	23065	54'	23065	21865
53	21875	23075	53'	23075	21875
52	21885	23085	52'	23085	21885
51	21895	23095	51'	23095	21895
50	21905	23105	50'	23105	21905
49	21915	23115	49'	23115	21915
48	21925	23125	48'	23125	21925
47	21935	23135	47'	23135	21935
46	21945	23145	46'	23145	21945
45	21955	23155	45'	23155	21955
44	21965	23165	44'	23165	21965
43	21975	23175	43'	23175	21975
42	21985	23185	42'	23185	21985
41	21995	23195	41'	23195	21995
40	22005	23205	40'	23205	22005
39	22015	23215	39'	23215	22015
38	22025	23225	38'	23225	22025
37	22035	23235	37'	23235	22035
36	22045	23245	36'	23245	22045
35	22055	23255	35'	23255	22055
34	22065	23265	34'	23265	22065
33	22075	23275	33'	23275	22075
32	22085	23285	32'	23285	22085
31	22095	23295	31'	23295	22095
30	22105	23305	30'	23305	22105
29	22115	23315	29'	23315	22115

Table-14-14 23 GHz IC (3) 10 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
28	22125	23325	28'	23325	22125
27	22135	23335	27'	23335	22135
26	22145	23345	26'	23345	22145
25	22155	23355	25'	23355	22155
24	22165	23365	24'	23365	22165
23	22175	23375	23'	23375	22175
22	22185	23385	22'	23385	22185
21	22195	23395	21'	23395	22195
20	22205	23405	20'	23405	22205
19	22215	23415	19'	23415	22215
18	22225	23425	18'	23425	22225
17	22235	23435	17'	23435	22235
16	22245	23445	16'	23445	22245
15	22255	23455	15'	23455	22255
14	22265	23465	14'	23465	22265
13	22275	23475	13'	23475	22275
12	22285	23485	12'	23485	22285
11	22295	23495	11'	23495	22295
10	22305	23505	10'	23505	22305
9	22315	23515	9'	23515	22315
8	22325	23525	8'	23525	22325
7	22335	23535	7'	23535	22335
6	22345	23545	6'	23545	22345
5	22355	23555	5'	23555	22355
4	22365	23565	4'	23565	22365
3	22375	23575	3'	23575	22375
2	22385	23585	2'	23585	22385
1	22395	23595	1'	23595	22395

Table-14-15 23 GHz ITU (1) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	21231	22463	1'	22463	21231
2	21245	22477	2'	22477	21245
3	21259	22491	3'	22491	21259
4	21273	22505	4'	22505	21273
5	21287	22519	5'	22519	21287
6	21301	22533	6'	22533	21301
7	21315	22547	7'	22547	21315
8	21329	22561	8'	22561	21329
9	21343	22575	9'	22575	21343
10	21357	22589	10'	22589	21357
11	21371	22603	11'	22603	21371
12	21385	22617	12'	22617	21385
13	21399	22631	13'	22631	21399
14	21413	22645	14'	22645	21413
15	21427	22659	15'	22659	21427
16	21441	22673	16'	22673	21441
17	21455	22687	17'	22687	21455
18	21469	22701	18'	22701	21469
19	21483	22715	19'	22715	21483
20	21497	22729	20'	22729	21497
21	21511	22743	21'	22743	21511
22	21525	22757	22'	22757	21525
23	21539	22771	23'	22771	21539
24	21553	22785	24'	22785	21553
25	21567	22799	25'	22799	21567
26	21581	22813	26'	22813	21581
27	21595	22827	27'	22827	21595

Table-14-16 23 GHz ITU (2) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
28	21609	22841	28'	22841	21609
29	21623	22855	29'	22855	21623
30	21637	22869	30'	22869	21637
31	21651	22883	31'	22883	21651
32	21665	22897	32'	22897	21665
33	21679	22911	33'	22911	21679
34	21693	22925	34'	22925	21693
35	21707	22939	35'	22939	21707
36	21721	22953	36'	22953	21721
37	21735	22967	37'	22967	21735
38	21749	22981	38'	22981	21749
39	21763	22995	39'	22995	21763
40	21777	23009	40'	23009	21777
41	21791	23023	41'	23023	21791
42	21805	23037	42'	23037	21805
43	21819	23051	43'	23051	21819
44	21833	23065	44'	23065	21833
45	21847	23079	45'	23079	21847
46	21861	23093	46'	23093	21861
47	21875	23107	47'	23107	21875
48	21889	23121	48'	23121	21889
49	21903	23135	49'	23135	21903
50	21917	23149	50'	23149	21917
51	21931	23163	51'	23163	21931
52	21945	23177	52'	23177	21945
53	21959	23191	53'	23191	21959
54	21973	23205	54'	23205	21973
55	21987	23219	55'	23219	21987
56	22001	23233	56'	23233	22001
57	22015	23247	57'	23247	22015
58	22029	23261	58'	23261	22029
59	22043	23275	59'	23275	22043
60	22057	23289	60'	23289	22057

Table-14-17 23 GHz ITU (3) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
61	22071	23303	61'	23303	22071
62	22085	23317	62'	23317	22085
63	22099	23331	63'	23331	22099
64	22113	23345	64'	23345	22113
65	22127	23359	65'	23359	22127
66	22141	23373	66'	23373	22141
67	22155	23387	67'	23387	22155
68	22169	23401	68'	23401	22169
69	22183	23415	69'	23415	22183
70	22197	23429	70'	23429	22197
71	22211	23443	71'	23443	22211
72	22225	23457	72'	23457	22225
73	22239	23471	73'	23471	22239
74	22253	23485	74'	23485	22253
75	22267	23499	75'	23499	22267
76	22281	23513	76'	23513	22281
77	22295	23527	77'	23527	22295
78	22309	23541	78'	23541	22309
79	22323	23555	79'	23555	22323
80	22337	23569	80'	23569	22337

Table-14-18 23 GHz ETSI (2)14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	22015	23023	01'	23023	22015
2	22029	23037	02'	23037	22029
3	22043	23051	03'	23051	22043
4	22057	23065	04'	23065	22057
5	22071	23079	05'	23079	22071
6	22085	23093	06'	23093	22085
7	22099	23107	07'	23107	22099

Table-14-19 23 GHz Australia (2) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	22015	23247	1'	23247	22015
2	22029	23261	2'	23261	22029
3	22043	23275	3'	23275	22043
4	22057	23289	4'	23289	22057

Table-14-20 23 GHz Australia (3) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
5	22071	23303	5'	23303	22071
6	22085	23317	6'	23317	22085
7	22099	23331	7'	23331	22099
8	22113	23345	8'	23345	22113

Table-14-21 23 GHz France (2) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	22009.75	23017.75	01'	23017.75	22009.75
2	22023.75	23031.75	02'	23031.75	22023.75
3	22037.75	23045.75	03'	23045.75	22037.75
4	22051.75	23059.75	04'	23059.75	22051.75
5	22065.75	23073.75	05'	23073.75	22065.75
6	22079.75	23087.75	06'	23087.75	22079.75
7	22093.75	23101.75	07'	23101.75	22093.75

Table-14-22 23 GHz France (3) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
6	22079.75	23087.75	06'	23087.75	22079.75
7	22093.75	23101.75	07'	23101.75	22093.75
8	22107.75	23115.75	08'	23115.75	22107.75
9	22121.75	23129.75	09'	23129.75	22121.75
10	22135.75	23143.75	10'	23143.75	22135.75
11	22149.75	23157.75	11'	23157.75	22149.75
12	22163.75	23171.75	12'	23171.75	22163.75
13	22177.75	23185.75	13'	23185.75	22177.75
14	22191.75	23199.75	14'	23199.75	22191.75
15	22205.75	23213.75	15'	23213.75	22205.75
16	22219.75	23227.75	16'	23227.75	22219.75
17	22233.75	23241.75	17'	23241.75	22233.75
18	22247.75	23255.75	18'	23255.75	22247.75
19	22261.75	23269.75	19'	23269.75	22261.75
20	22275.75	23283.75	20'	23283.75	22275.75
21	22289.75	23297.75	21'	23297.75	22289.75
22	22303.75	23311.75	22'	23311.75	22303.75
23	22317.75	23325.75	23'	23325.75	22317.75
24	22331.75	23339.75	24'	23339.75	22331.75
25	22345.75	23353.75	25'	23353.75	22345.75
26	22359.75	23367.75	26'	23367.75	22359.75
27	22373.75	23381.75	27'	23381.75	22373.75
28	22387.75	23395.75	28'	23395.75	22387.75
29	22401.75	23409.75	29'	23409.75	22401.75
30	22415.75	23423.75	30'	23423.75	22415.75
31	22429.75	23437.75	31'	23437.75	22429.75
32	22443.75	23451.75	32'	23451.75	22443.75
33	22457.75	23465.75	33'	23465.75	22457.75
34	22471.75	23479.75	34'	23479.75	22471.75
35	22485.75	23493.75	35'	23493.75	22485.75
36	22499.75	23507.75	36'	23507.75	22499.75
37	22513.75	23521.75	37'	23521.75	22513.75
38	22527.75	23535.75	38'	23535.75	22527.75
39	22541.75	23549.75	39'	23549.75	22541.75
40	22555.75	23563.75	40'	23563.75	22555.75
41	22569.75	23577.75	41'	23577.75	22569.75
42	22583.75	23591.75	42'	23591.75	22583.75

Table-14-23 23 GHz Mexico (1) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	21234.5	22466.5	1'	22466.5	21234.5
2	21248.5	22480.5	2'	22480.5	21248.5
3	21262.5	22494.5	3'	22494.5	21262.5
4	21276.5	22508.5	4'	22508.5	21276.5
5	21290.5	22522.5	5'	22522.5	21290.5
6	21304.5	22536.5	6'	22536.5	21304.5
7	21318.5	22550.5	7'	22550.5	21318.5
8	21332.5	22564.5	8'	22564.5	21332.5
9	21346.5	22578.5	9'	22578.5	21346.5
10	21360.5	22592.5	10'	22592.5	21360.5
11	21374.5	22606.5	11'	22606.5	21374.5
12	21388.5	22620.5	12'	22620.5	21388.5
13	21402.5	22634.5	13'	22634.5	21402.5
14	21416.5	22648.5	14'	22648.5	21416.5
15	21430.5	22662.5	15'	22662.5	21430.5
16	21444.5	22676.5	16'	22676.5	21444.5
17	21458.5	22690.5	17'	22690.5	21458.5
18	21472.5	22704.5	18'	22704.5	21472.5
19	21486.5	22718.5	19'	22718.5	21486.5
20	21500.5	22732.5	20'	22732.5	21500.5
21	21514.5	22746.5	21'	22746.5	21514.5
22	21528.5	22760.5	22'	22760.5	21528.5
23	21542.5	22774.5	23'	22774.5	21542.5
24	21556.5	22788.5	24'	22788.5	21556.5
25	21570.5	22802.5	25'	22802.5	21570.5
26	21584.5	22816.5	26'	22816.5	21584.5
27	21598.5	22830.5	27'	22830.5	21598.5
28	21612.5	22844.5	28'	22844.5	21612.5

Table-14-24 23 GHz Mexico (2) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
29	21626.5	22858.5	29'	22858.5	21626.5
30	21640.5	22872.5	30'	22872.5	21640.5

Table-14-25 23 GHz Brazil (2) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
A3	21812	23044	A3'	23044	21812
A7	21826	23058	A7'	23058	21826
A11	21840	23072	A11'	23072	21840
A15	21854	23086	A15'	23086	21854
A19	21868	23100	A19'	23100	21868
A23	21882	23114	A23'	23114	21882
A27	21896	23128	A27'	23128	21896
A31	21910	23142	A31'	23142	21910
A35	21924	23156	A35'	23156	21924
A39	21938	23170	A39'	23170	21938
B3	21955.5	23187.5	B3'	23187.5	21955.5
B7	21969.5	23201.5	B7'	23201.5	21969.5
B11	21983.5	23215.5	B11'	23215.5	21983.5
B15	21997.5	23229.5	B15'	23229.5	21997.5
B19	22011.5	23243.5	B19'	23243.5	22011.5
B23	22025.5	23257.5	B23'	23257.5	22025.5
B27	22039.5	23271.5	B27'	23271.5	22039.5
B31	22053.5	23285.5	B31'	23285.5	22053.5
B35	22067.5	23299.5	B35'	23299.5	22067.5

Table-14-26 23 GHz Brazil (3) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
B39	22081.5	23313.5	B39'	23313.5	22081.5
C3	22099	23331	C3'	23331	22099
C7	22113	23345	C7'	23345	22113
C11	22127	23359	C11'	23359	22127
C15	22141	23373	C15'	23373	22141
C19	22155	23387	C19'	23387	22155
C23	22169	23401	C23'	23401	22169
C27	22183	23415	C27'	23415	22183
C31	22197	23429	C31'	23429	22197
C35	22211	23443	C35'	23443	22211
D4	22242.5	23474.5	D4'	23474.5	22242.5
D8	22256.5	23488.5	D8'	23488.5	22256.5
D12	22270.5	23502.5	D12'	23502.5	22270.5
D16	22284.5	23516.5	D16'	23516.5	22284.5
D20	22298.5	23530.5	D20'	23530.5	22298.5
D24	22312.5	23544.5	D24'	23544.5	22312.5
D28	22326.5	23558.5	D28'	23558.5	22326.5
D32	22340.5	23572.5	D32'	23572.5	22340.5
D36	22354.5	23586.5	D36'	23586.5	22354.5

Table-14-27 23 GHz ETSI 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
5	22071	23079	05'	23079	22071
6	22085	23093	06'	23093	22085
7	22099	23107	07'	23107	22099
8	22113	23121	08'	23121	22113
9	22127	23135	09'	23135	22127
10	22141	23149	10'	23149	22141
11	22155	23163	11'	23163	22155
12	22169	23177	12'	23177	22169
13	22183	23191	13'	23191	22183
14	22197	23205	14'	23205	22197
15	22211	23219	15'	23219	22211
16	22225	23233	16'	23233	22225
17	22239	23247	17'	23247	22239
18	22253	23261	18'	23261	22253
19	22267	23275	19'	23275	22267
20	22281	23289	20'	23289	22281
21	22295	23303	21'	23303	22295
22	22309	23317	22'	23317	22309
23	22323	23331	23'	23331	22323
24	22337	23345	24'	23345	22337
25	22351	23359	25'	23359	22351
26	22365	23373	26'	23373	22365
27	22379	23387	27'	23387	22379
28	22393	23401	28'	23401	22393
29	22407	23415	29'	23415	22407
30	22421	23429	30'	23429	22421
31	22435	23443	31'	23443	22435
32	22449	23457	32'	23457	22449
33	22463	23471	33'	23471	22463
34	22477	23485	34'	23485	22477
35	22491	23499	35'	23499	22491
36	22505	23513	36'	23513	22505
37	22519	23527	37'	23527	22519
38	22533	23541	38'	23541	22533
39	22547	23555	39'	23555	22547
40	22561	23569	40'	23569	22561
41	22575	23583	41'	23583	22575

Table-14-28 23 GHz IC (2) 20 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
30	21810	23010	30'	23010	21810
29	21830	23030	29'	23030	21830
28	21850	23050	28'	23050	21850
27	21870	23070	27'	23070	21870
26	21890	23090	26'	23090	21890
25	21910	23110	25'	23110	21910
24	21930	23130	24'	23130	21930
23	21950	23150	23'	23150	21950
22	21970	23170	22'	23170	21970
21	21990	23190	21'	23190	21990
20	22010	23210	20'	23210	22010
19	22030	23230	19'	23230	22030
18	22050	23250	18'	23250	22050
17	22070	23270	17'	23270	22070
16	22090	23290	16'	23290	22090
15	22110	23310	15'	23310	22110

Table-14-29 23 GHz IC (3) 20 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
14	22130	23330	14'	23330	22130
13	22150	23350	13'	23350	22150
12	22170	23370	12'	23370	22170
11	22190	23390	11'	23390	22190
10	22210	23410	10'	23410	22210
9	22230	23430	9'	23430	22230
8	22250	23450	8'	23450	22250
7	22270	23470	7'	23470	22270
6	22290	23490	6'	23490	22290
5	22310	23510	5'	23510	22310
4	22330	23530	4'	23530	22330
3	22350	23550	3'	23550	22350
2	22370	23570	2'	23570	22370
1	22390	23590	1'	23590	22390

Table-14-30 23 GHz ITU (1) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	21238	22470	1'	22470	21238
2	21266	22498	2'	22498	21266
3	21294	22526	3'	22526	21294
4	21322	22554	4'	22554	21322
5	21350	22582	5'	22582	21350
6	21378	22610	6'	22610	21378
7	21406	22638	7'	22638	21406
8	21434	22666	8'	22666	21434
9	21462	22694	9'	22694	21462
10	21490	22722	10'	22722	21490
11	21518	22750	11'	22750	21518
12	21546	22778	12'	22778	21546
13	21574	22806	13'	22806	21574
14	21602	22834	14'	22834	21602

Table-14-31 23 GHz ITU (2) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
15	21630	22862	15'	22862	21630
16	21658	22890	16'	22890	21658
17	21686	22918	17'	22918	21686
18	21714	22946	18'	22946	21714
19	21742	22974	19'	22974	21742
20	21770	23002	20'	23002	21770
21	21798	23030	21'	23030	21798
22	21826	23058	22'	23058	21826
23	21854	23086	23'	23086	21854
24	21882	23114	24'	23114	21882
25	21910	23142	25'	23142	21910
26	21938	23170	26'	23170	21938
27	21966	23198	27'	23198	21966
28	21994	23226	28'	23226	21994
29	22022	23254	29'	23254	22022
30	22050	23282	30'	23282	22050

Table-14-32 23 GHz ITU (3) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
31	22078	23310	31'	23310	22078
32	22106	23338	32'	23338	22106
33	22134	23366	33'	23366	22134
34	22162	23394	34'	23394	22162
35	22190	23422	35'	23422	22190
36	22218	23450	36'	23450	22218
37	22246	23478	37'	23478	22246
38	22274	23506	38'	23506	22274
39	22302	23534	39'	23534	22302
40	22330	23562	40'	23562	22330

Table-14-33 23 GHz Australia (2) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	22022	23254	1'	23254	22022
2	22050	23282	2'	23282	22050

Table-14-34 23 GHz Australia (3) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
3	22078	23310	3'	23310	22078
4	22106	23338	4'	23338	22106

Table-14-35 23 GHz ETSI (2) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	22022	23030	1'	23030	22022
2	22050	23058	2'	23058	22050
3	22078	23086	3'	23086	22078

Table-14-36 23 GHz ETSI (3) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
3	22078	23086	3'	23086	22078
4	22106	23114	4'	23114	22106
5	22134	23142	5'	23142	22134
6	22162	23170	6'	23170	22162
7	22190	23198	7'	23198	22190
8	22218	23226	8'	23226	22218
9	22246	23254	9'	23254	22246
10	22274	23282	10'	23282	22274
11	22302	23310	11'	23310	22302
12	22330	23338	12'	23338	22330
13	22358	23366	13'	23366	22358
14	22386	23394	14'	23394	22386
15	22414	23422	15'	23422	22414
16	22442	23450	16'	23450	22442
17	22470	23478	17'	23478	22470
18	22498	23506	18'	23506	22498
19	22526	23534	19'	23534	22526
20	22554	23562	20'	23562	22554

Table-14-37 23 GHz France (2) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	22016.75	23024.75	01'	23024.75	22016.75
2	22044.75	23052.75	02'	23052.75	22044.75
3	22072.75	23080.75	03'	23080.75	22072.75

Table-14-38 23 GHz France (3) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
4	22100.75	23108.75	04'	23108.75	22100.75
5	22128.75	23136.75	05'	23136.75	22128.75
6	22156.75	23164.75	06'	23164.75	22156.75
7	22184.75	23192.75	07'	23192.75	22184.75
8	22212.75	23220.75	08'	23220.75	22212.75
9	22240.75	23248.75	09'	23248.75	22240.75
10	22268.75	23276.75	10'	23276.75	22268.75
11	22296.75	23304.75	11'	23304.75	22296.75
12	22324.75	23332.75	12'	23332.75	22324.75
13	22352.75	23360.75	13'	23360.75	22352.75
14	22380.75	23388.75	14'	23388.75	22380.75
15	22408.75	23416.75	15'	23416.75	22408.75
16	22436.75	23444.75	16'	23444.75	22436.75
17	22464.75	23472.75	17'	23472.75	22464.75
18	22492.75	23500.75	18'	23500.75	22492.75
19	22520.75	23528.75	19'	23528.75	22520.75
20	22548.75	23556.75	20'	23556.75	22548.75
21	22576.75	23584.75	21'	23584.75	22576.75

Table-14-39 23 GHz Mexico (1) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	21241.5	22473.5	1'	22473.5	21241.5
2	21269.5	22501.5	2'	22501.5	21269.5
3	21297.5	22529.5	3'	22529.5	21297.5
4	21325.5	22557.5	4'	22557.5	21325.5
5	21353.5	22585.5	5'	22585.5	21353.5
6	21381.5	22613.5	6'	22613.5	21381.5
7	21409.5	22641.5	7'	22641.5	21409.5
8	21437.5	22669.5	8'	22669.5	21437.5
9	21465.5	22697.5	9'	22697.5	21465.5
10	21493.5	22725.5	10'	22725.5	21493.5
11	21521.5	22753.5	11'	22753.5	21521.5
12	21549.5	22781.5	12'	22781.5	21549.5
13	21577.5	22809.5	13'	22809.5	21577.5
14	21605.5	22837.5	14'	22837.5	21605.5

Table-14-40 23 GHz Mexico (2) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
15	21633.5	22865.5	15'	22865.5	21633.5

Table-14-41 23 GHz Brazil (2) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
A5	21819	23051	A5'	23051	21819
A13	21847	23079	A13'	23079	21847
A21	21875	23107	A21'	23107	21875
A29	21903	23135	A29'	23135	21903
A37	21931	23163	A37'	23163	21931
B5	21962.5	23194.5	B5'	23194.5	21962.5
B13	21990.5	23222.5	B13'	23222.5	21990.5
B21	22018.5	23250.5	B21'	23250.5	22018.5
B29	22046.5	23278.5	B29'	23278.5	22046.5

Table-14-42 23 GHz Brazil (3) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
B37	22074.5	23306.5	B37'	23306.5	22074.5
C8	22116.5	23348.5	C8'	23348.5	22116.5
C16	22144.5	23376.5	C16'	23376.5	22144.5
C24	22172.5	23404.5	C24'	23404.5	22172.5
C32	22200.5	23432.5	C32'	23432.5	22200.5
D7	22253	23485	D7'	23485	22253
D15	22281	23513	D15'	23513	22281
D23	22309	23541	D23'	23541	22309
D31	22337	23569	D31'	23569	22337

Table-14-43 23 GHz FCC (1) 40 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	21220	22420	1'	22420	21220
2	21270	22470	2'	22470	21270
3	21320	22520	3'	22520	21320
4	21370	22570	4'	22570	21370
5	21420	22620	5'	22620	21420
6	21470	22670	6'	22670	21470
7	21520	22720	7'	22720	21520
8	21570	22770	8'	22770	21570

Table-14-44 23 GHz FCC (2) 40 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
9	21620	22820	9'	22820	21620
10	21670	22870	10'	22870	21670
11	21720	22920	11'	22920	21720
12	21770	22970	12'	22970	21770
13	21820	23020	13'	23020	21820
14	21870	23070	14'	23070	21870
15	21920	23120	15'	23120	21920
16	21970	23170	16'	23170	21970
17	22020	23220	17'	23220	22020
18	22070	23270	18'	23270	22070

Table-14-45 23 GHz FCC (3) 40 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
19	22120	23320	19'	23320	22120
20	22170	23370	20'	23370	22170
21	22220	23420	21'	23420	22220
22	22270	23470	22'	23470	22270
23	22320	23520	23'	23520	22320
24	22370	23570	24'	23570	22370

Table-14-46 23 GHz IC (2) 40 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	21820	23020	1'	23020	21820
2	21860	23060	2'	23060	21860
3	21900	23100	3'	23100	21900
4	21940	23140	4'	23140	21940
5	21980	23180	5'	23180	21980
6	22020	23220	6'	23220	22020
7	22060	23260	7'	23260	22060
8	22100	23300	8'	23300	22100

Table-14-47 23 GHz IC (3) 40 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
9	22140	23340	9'	23340	22140
10	22180	23380	10'	23380	22180
11	22220	23420	11'	23420	22220
12	22260	23460	12'	23460	22260
13	22300	23500	13'	23500	22300
14	22340	23540	14'	23540	22340
15	22380	23580	15'	23580	22380

Table-14-48 23 GHz FCC (1) 50 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	21225	22425	1'	22425	21225
2	21275	22475	2'	22475	21275
3	21325	22525	3'	22525	21325
4	21375	22575	4'	22575	21375
5	21425	22625	5'	22625	21425
6	21475	22675	6'	22675	21475
7	21525	22725	7'	22725	21525
8	21575	22775	8'	22775	21575

Table-14-49 23 GHz FCC (2) 50 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
9	21625	22825	9'	22825	21625
10	21675	22875	10'	22875	21675
11	21725	22925	11'	22925	21725
12	21775	22975	12'	22975	21775
13	21825	23025	13'	23025	21825
14	21875	23075	14'	23075	21875
15	21925	23125	15'	23125	21925
16	21975	23175	16'	23175	21975
17	22025	23225	17'	23225	22025
18	22075	23275	18'	23275	22075

Table-14-50 23 GHz FCC (3) 50 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
19	22125	23325	19'	23325	22125
20	22175	23375	20'	23375	22175
21	22225	23425	21'	23425	22225
22	22275	23475	22'	23475	22275
23	22325	23525	23'	23525	22325
24	22375	23575	24'	23575	22375

Table-14-51 23 GHz IC (2) 50 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
A1	21825	23025	A1'	23025	21825
A2	21875	23075	A2'	23075	21875
A3	21925	23125	A3'	23125	21925
A4	21975	23175	A4'	23175	21975
A5	22025	23225	A5'	23225	22025
A6	22075	23275	A6'	23275	22075

Table-14-52 23 GHz IC (3) 50 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
A7	22125	23325	A7'	23325	22125
A8	22175	23375	A8'	23375	22175
A9	22225	23425	A9'	23425	22225
A10	22275	23475	A10'	23475	22275
A11	22325	23525	A11'	23525	22325
A12	22375	23575	A12'	23575	22375

Table-14-53 23 GHz Mexico (2) 50 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
A1	21825	23025	A1'	23025	21825
A2	21875	23075	A2'	23075	21875
A3	21925	23125	A3'	23125	21925
A4	21975	23175	A4'	23175	21975
A5	22025	23225	A5'	23225	22025
A6	22075	23275	A6'	23275	22075

Table-14-54 23 GHz Mexico (3) 50 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
A7	22125	23325	A7'	23325	22125
A8	22175	23375	A8'	23375	22175
A9	22225	23425	A9'	23425	22225
A10	22275	23475	A10'	23475	22275

Table-14-55 23 GHz ETSI (2) 56 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	22078	23086	1'	23086	22078

Table-14-56 23 GHz ETSI (3) 56 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	22078	23086	1'	23086	22078
2	22134	23142	2'	23142	22134
3	22190	23198	3'	23198	22190
4	22246	23254	4'	23254	22246
5	22302	23310	5'	23310	22302
6	22358	23366	6'	23366	22358
7	22414	23422	7'	23422	22414
8	22470	23478	8'	23478	22470
9	22526	23534	9'	23534	22526

Table-14-57 23 GHz UK (2) 56 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	22036	23044	1'	23044	22036

Table-14-58 23 GHz UK (3) 56 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
2	22092	23100	2'	23100	22092
3	22148	23156	3'	23156	22148
4	22204	23212	4'	23212	22204
5	22260	23268	5'	23268	22260
6	22316	23324	6'	23324	22316
7	22372	23380	7'	23380	22372
8	22428	23436	8'	23436	22428
9	22484	23492	9'	23492	22484
10	22540	23548	10'	23548	22540

Table-14-59 23 GHz ITU (1) 56 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	21252	22484	1'	22484	21252
2	21308	22540	2'	22540	21308
3	21364	22596	3'	22596	21364
4	21420	22652	4'	22652	21420
5	21476	22708	5'	22708	21476
6	21532	22764	6'	22764	21532
7	21588	22820	7'	22820	21588

Table-14-60 23 GHz ITU (2) 56 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
8	21644	22876	8'	22876	21644
9	21700	22932	9'	22932	21700
10	21756	22988	10'	22988	21756
11	21812	23044	11'	23044	21812
12	21868	23100	12'	23100	21868
13	21924	23156	13'	23156	21924
14	21980	23212	14'	23212	21980
15	22036	23268	15'	23268	22036

Table-14-61 23 GHz ITU (3) 56 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
16	22092	23324	16'	23324	22092
17	22148	23380	17'	23380	22148
18	22204	23436	18'	23436	22204
19	22260	23492	19'	23492	22260
20	22316	23548	20'	23548	22316

Table-14-62 23 GHz France (2) 56 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	22030.75	23038.75	01'	23038.75	22030.75
2	22086.75	23094.75	02'	23094.75	22086.75

Table-14-63 23 GHz France (3) 56 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
3	22142.75	23150.75	03'	23150.75	22142.75
4	22198.75	23206.75	04'	23206.75	22198.75
5	22254.75	23262.75	05'	23262.75	22254.75
6	22310.75	23318.75	06'	23318.75	22310.75
7	22366.75	23374.75	07'	23374.75	22366.75
8	22422.75	23430.75	08'	23430.75	22422.75
9	22478.75	23486.75	09'	23486.75	22478.75
10	22534.75	23542.75	10'	23542.75	22534.75

Table-14-64 23 GHz Brazil (2) 56 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
A12	21843.5	23075.5	A12'	23075.5	21843.5
A28	21899.5	23131.5	A28'	23131.5	21899.5
B12	21987	23219	B12'	23219	21987
B28	22043	23275	B28'	23275	22043

Table-14-65 23 GHz Brazil (3) 56 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
C12	22130.5	23362.5	C12'	23362.5	22130.5
C28	22186.5	23418.5	C28'	23418.5	22186.5
D13	22274	23506	D13'	23506	22274
D29	22330	23562	D29'	23562	22330

Table-14-66 23 GHz Tunisia (2) 56 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	22058.75	23066.75	01'	23066.75	22058.75

Table-14-67 23 GHz Tunisia (3) 56 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
2	22114.75	23122.75	02'	23122.75	22114.75
3	22170.75	23178.75	03'	23178.75	22170.75
4	22226.75	23234.75	04'	23234.75	22226.75
5	22282.75	23290.75	05'	23290.75	22282.75
6	22338.75	23346.75	06'	23346.75	22338.75
7	22394.75	23402.75	07'	23402.75	22394.75
8	22450.75	23458.75	08'	23458.75	22450.75
9	22506.75	23514.75	09'	23514.75	22506.75
10	22562.75	23570.75	10'	23570.75	22562.75

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15.0 24 GHz Frequency Tables

Table-15-1 24GHz DEMS (1) 10 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	24255	25055	1'	25055	24255
2	24265	25065	2'	25065	24265
3	24275	25075	3'	25075	24275
4	24285	25085	4'	25085	24285
5	24295	25095	5'	25095	24295
6	24305	25105	6'	25105	24305
7	24315	25115	7'	25115	24315
8	24325	25125	8'	25125	24325
9	24335	25135	9'	25135	24335
10	24345	25145	10'	25145	24345
11	24355	25155	11'	25155	24355
12	24365	25165	12'	25165	24365
13	24375	25175	13'	25175	24375
14	24385	25185	14'	25185	24385
15	24395	25195	15'	25195	24395
16	24405	25205	16'	25205	24405
17	24415	25215	17'	25215	24415
18	24425	25225	18'	25225	24425
19	24435	25235	19'	25235	24435
20	24445	25245	20'	25245	24445

Table-15-2 24GHz DEMS 20 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	24260	25060	1'	25060	24260
2	24280	25080	2'	25080	24280
3	24300	25100	3'	25100	24300
4	24320	25120	4'	25120	24320
5	24340	25140	5'	25140	24340
6	24360	25160	6'	25160	24360
7	24380	25180	7'	25180	24380
8	24400	25200	8'	25200	24400
9	24420	25220	9'	25220	24420
10	24440	25240	10'	25240	24440

Table-15-3 24GHz DEMS 40 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	24270	25070	1'	25070	24270
2	24310	25110	2'	25110	24310
3	24350	25150	3'	25150	24350
4	24390	25190	4'	25190	24390
5	24430	25230	5'	25230	24430

Table-15-4 24GHz FCC/ETSI Unlicensed

GO			RETURN		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	24078.500	24173.833	1'	24173.833	24078.500
2	24126.167	24221.500	2'	24221.500	24126.167

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16.0 26 GHz Frequency Tables

Table-16-1 26 GHz (1) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	24552.5	25560.5	1'	25560.5	24552.5
2	24559.5	25567.5	2'	25567.5	24559.5
3	24566.5	25574.5	3'	25574.5	24566.5
4	24573.5	25581.5	4'	25581.5	24573.5
5	24580.5	25588.5	5'	25588.5	24580.5
6	24587.5	25595.5	6'	25595.5	24587.5
7	24594.5	25602.5	7'	25602.5	24594.5
8	24601.5	25609.5	8'	25609.5	24601.5
9	24608.5	25616.5	9'	25616.5	24608.5
10	24615.5	25623.5	10'	25623.5	24615.5
11	24622.5	25630.5	11'	25630.5	24622.5
12	24629.5	25637.5	12'	25637.5	24629.5
13	24636.5	25644.5	13'	25644.5	24636.5
14	24643.5	25651.5	14'	25651.5	24643.5
15	24650.5	25658.5	15'	25658.5	24650.5
16	24657.5	25665.5	16'	25665.5	24657.5
17	24664.5	25672.5	17'	25672.5	24664.5
18	24671.5	25679.5	18'	25679.5	24671.5
19	24678.5	25686.5	19'	25686.5	24678.5
20	24685.5	25693.5	20'	25693.5	24685.5
21	24692.5	25700.5	21'	25700.5	24692.5
22	24699.5	25707.5	22'	25707.5	24699.5
23	24706.5	25714.5	23'	25714.5	24706.5
24	24713.5	25721.5	24'	25721.5	24713.5
25	24720.5	25728.5	25'	25728.5	24720.5
26	24727.5	25735.5	26'	25735.5	24727.5
27	24734.5	25742.5	27'	25742.5	24734.5
28	24741.5	25749.5	28'	25749.5	24741.5
29	24748.5	25756.5	29'	25756.5	24748.5
30	24755.5	25763.5	30'	25763.5	24755.5
31	24762.5	25770.5	31'	25770.5	24762.5
32	24769.5	25777.5	32'	25777.5	24769.5
33	24776.5	25784.5	33'	25784.5	24776.5
34	24783.5	25791.5	34'	25791.5	24783.5
35	24790.5	25798.5	35'	25798.5	24790.5
36	24797.5	25805.5	36'	25805.5	24797.5
37	24804.5	25812.5	37'	25812.5	24804.5
38	24811.5	25819.5	38'	25819.5	24811.5
39	24818.5	25826.5	39'	25826.5	24818.5
40	24825.5	25833.5	40'	25833.5	24825.5
41	24832.5	25840.5	41'	25840.5	24832.5
42	24839.5	25847.5	42'	25847.5	24839.5
43	24846.5	25854.5	43'	25854.5	24846.5
44	24853.5	25861.5	44'	25861.5	24853.5
45	24860.5	25868.5	45'	25868.5	24860.5
46	24867.5	25875.5	46'	25875.5	24867.5
47	24874.5	25882.5	47'	25882.5	24874.5
48	24881.5	25889.5	48'	25889.5	24881.5
49	24888.5	25896.5	49'	25896.5	24888.5
50	24895.5	25903.5	50'	25903.5	24895.5
51	24902.5	25910.5	51'	25910.5	24902.5
52	24909.5	25917.5	52'	25917.5	24909.5
53	24916.5	25924.5	53'	25924.5	24916.5
54	24923.5	25931.5	54'	25931.5	24923.5
55	24930.5	25938.5	55'	25938.5	24930.5
56	24937.5	25945.5	56'	25945.5	24937.5
57	24944.5	25952.5	57'	25952.5	24944.5
58	24951.5	25959.5	58'	25959.5	24951.5

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
26 GHz a 7 MHz Channels - continued					
59	24958.5	25966.5	59'	25966.5	24958.5
60	24965.5	25973.5	60'	25973.5	24965.5
61	24972.5	25980.5	61'	25980.5	24972.5
62	24979.5	25987.5	62'	25987.5	24979.5
63	24986.5	25994.5	63'	25994.5	24986.5
64	24993.5	26001.5	64'	26001.5	24993.5

Table-16-2 26 GHz (2) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
65	25000.5	26008.5	65'	26008.5	25000.5
66	25007.5	26015.5	66'	26015.5	25007.5
67	25014.5	26022.5	67'	26022.5	25014.5
68	25021.5	26029.5	68'	26029.5	25021.5
69	25028.5	26036.5	69'	26036.5	25028.5
70	25035.5	26043.5	70'	26043.5	25035.5
71	25042.5	26050.5	71'	26050.5	25042.5
72	25049.5	26057.5	72'	26057.5	25049.5
73	25056.5	26064.5	73'	26064.5	25056.5
74	25063.5	26071.5	74'	26071.5	25063.5
75	25070.5	26078.5	75'	26078.5	25070.5
76	25077.5	26085.5	76'	26085.5	25077.5
77	25084.5	26092.5	77'	26092.5	25084.5
78	25091.5	26099.5	78'	26099.5	25091.5
79	25098.5	26106.5	79'	26106.5	25098.5
80	25105.5	26113.5	80'	26113.5	25105.5
81	25112.5	26120.5	81'	26120.5	25112.5
82	25119.5	26127.5	82'	26127.5	25119.5
83	25126.5	26134.5	83'	26134.5	25126.5
84	25133.5	26141.5	84'	26141.5	25133.5
85	25140.5	26148.5	85'	26148.5	25140.5
86	25147.5	26155.5	86'	26155.5	25147.5
87	25154.5	26162.5	87'	26162.5	25154.5
88	25161.5	26169.5	88'	26169.5	25161.5
89	25168.5	26176.5	89'	26176.5	25168.5
90	25175.5	26183.5	90'	26183.5	25175.5
91	25182.5	26190.5	91'	26190.5	25182.5
92	25189.5	26197.5	92'	26197.5	25189.5
93	25196.5	26204.5	93'	26204.5	25196.5
94	25203.5	26211.5	94'	26211.5	25203.5
95	25210.5	26218.5	95'	26218.5	25210.5
96	25217.5	26225.5	96'	26225.5	25217.5
97	25224.5	26232.5	97'	26232.5	25224.5
98	25231.5	26239.5	98'	26239.5	25231.5
99	25238.5	26246.5	99'	26246.5	25238.5
100	25245.5	26253.5	100'	26253.5	25245.5
101	25252.5	26260.5	101'	26260.5	25252.5
102	25259.5	26267.5	102'	26267.5	25259.5
103	25266.5	26274.5	103'	26274.5	25266.5
104	25273.5	26281.5	104'	26281.5	25273.5
105	25280.5	26288.5	105'	26288.5	25280.5
106	25287.5	26295.5	106'	26295.5	25287.5
107	25294.5	26302.5	107'	26302.5	25294.5
108	25301.5	26309.5	108'	26309.5	25301.5
109	25308.5	26316.5	109'	26316.5	25308.5
110	25315.5	26323.5	110'	26323.5	25315.5
111	25322.5	26330.5	111'	26330.5	25322.5
112	25329.5	26337.5	112'	26337.5	25329.5
113	25336.5	26344.5	113'	26344.5	25336.5
114	25343.5	26351.5	114'	26351.5	25343.5

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
26 GHz (2) 7 MHz Channels - continued					
115	25350.5	26358.5	115'	26358.5	25350.5
116	25357.5	26365.5	116'	26365.5	25357.5
117	25364.5	26372.5	117'	26372.5	25364.5
118	25371.5	26379.5	118'	26379.5	25371.5
119	25378.5	26386.5	119'	26386.5	25378.5
120	25385.5	26393.5	120'	26393.5	25385.5
121	25392.5	26400.5	121'	26400.5	25392.5
122	25399.5	26407.5	122'	26407.5	25399.5
123	25406.5	26414.5	123'	26414.5	25406.5
124	25413.5	26421.5	124'	26421.5	25413.5
125	25420.5	26428.5	125'	26428.5	25420.5
126	25427.5	26435.5	126'	26435.5	25427.5
127	25434.5	26442.5	127'	26442.5	25434.5
128	25441.5	26449.5	128'	26449.5	25441.5

Table-16-3 26 GHz (1) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	24556	25564	1'	25564	24556
2	24570	25578	2'	25578	24570
3	24584	25592	3'	25592	24584
4	24598	25606	4'	25606	24598
5	24612	25620	5'	25620	24612
6	24626	25634	6'	25634	24626
7	24640	25648	7'	25648	24640
8	24654	25662	8'	25662	24654
9	24668	25676	9'	25676	24668
10	24682	25690	10'	25690	24682
11	24696	25704	11'	25704	24696
12	24710	25718	12'	25718	24710
13	24724	25732	13'	25732	24724
14	24738	25746	14'	25746	24738
15	24752	25760	15'	25760	24752
16	24766	25774	16'	25774	24766
17	24780	25788	17'	25788	24780
18	24794	25802	18'	25802	24794
19	24808	25816	19'	25816	24808
20	24822	25830	20'	25830	24822
21	24836	25844	21'	25844	24836
22	24850	25858	22'	25858	24850
23	24864	25872	23'	25872	24864
24	24878	25886	24'	25886	24878
25	24892	25900	25'	25900	24892
26	24906	25914	26'	25914	24906
27	24920	25928	27'	25928	24920
28	24934	25942	28'	25942	24934
29	24948	25956	29'	25956	24948
30	24962	25970	30'	25970	24962
31	24976	25984	31'	25984	24976
32	24990	25998	32'	25998	24990

Table-16-4 26 GHz (2) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
33	25004	26012	33'	26012	25004
34	25018	26026	34'	26026	25018
35	25032	26040	35'	26040	25032
36	25046	26054	36'	26054	25046
37	25060	26068	37'	26068	25060
38	25074	26082	38'	26082	25074
39	25088	26096	39'	26096	25088
40	25102	26110	40'	26110	25102
41	25116	26124	41'	26124	25116
42	25130	26138	42'	26138	25130
43	25144	26152	43'	26152	25144
44	25158	26166	44'	26166	25158
45	25172	26180	45'	26180	25172
46	25186	26194	46'	26194	25186
47	25200	26208	47'	26208	25200
48	25214	26222	48'	26222	25214
49	25228	26236	49'	26236	25228
50	25242	26250	50'	26250	25242
51	25256	26264	51'	26264	25256
52	25270	26278	52'	26278	25270
53	25284	26292	53'	26292	25284
54	25298	26306	54'	26306	25298
55	25312	26320	55'	26320	25312
56	25326	26334	56'	26334	25326
57	25340	26348	57'	26348	25340
58	25354	26362	58'	26362	25354
59	25368	26376	59'	26376	25368
60	25382	26390	60'	26390	25382
61	25396	26404	61'	26404	25396
62	25410	26418	62'	26418	25410
63	25424	26432	63'	26432	25424
64	25438	26446	64'	26446	25438

Table-16-5 26 GHz (1) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	24563	25571	1'	25571	24563
2	24591	25599	2'	25599	24591
3	24619	25627	3'	25627	24619
4	24647	25655	4'	25655	24647
5	24675	25683	5'	25683	24675
6	24703	25711	6'	25711	24703
7	24731	25739	7'	25739	24731
8	24759	25767	8'	25767	24759
9	24787	25795	9'	25795	24787
10	24815	25823	10'	25823	24815
11	24843	25851	11'	25851	24843
12	24871	25879	12'	25879	24871
13	24899	25907	13'	25907	24899
14	24927	25935	14'	25935	24927
15	24955	25963	15'	25963	24955
16	24983	25991	16'	25991	24983

Table-16-6 26 GHz (2) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
17	25011	26019	17'	26019	25011
18	25039	26047	18'	26047	25039
19	25067	26075	19'	26075	25067
20	25095	26103	20'	26103	25095
21	25123	26131	21'	26131	25123
22	25151	26159	22'	26159	25151
23	25179	26187	23'	26187	25179
24	25207	26215	24'	26215	25207
25	25235	26243	25'	26243	25235
26	25263	26271	26'	26271	25263
27	25291	26299	27'	26299	25291
28	25319	26327	28'	26327	25319
29	25347	26355	29'	26355	25347
30	25375	26383	30'	26383	25375
31	25403	26411	31'	26411	25403
32	25431	26439	32'	26439	25431

Table-16-7 26 GHz (1) 56 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	24577	25585	1'	25585	24577
2	24633	25641	2'	25641	24633
3	24689	25697	3'	25697	24689
4	24745	25753	4'	25753	24745
5	24801	25809	5'	25809	24801
6	24857	25865	6'	25865	24857
7	24913	25921	7'	25921	24913
8	24969	25977	8'	25977	24969

Table-16-8 26 GHz (2) 56 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
9	25025	26033	9'	26033	25025
10	25081	26089	10'	26089	25081
11	25137	26145	11'	26145	25137
12	25193	26201	12'	26201	25193
13	25249	26257	13'	26257	25249
14	25305	26313	14'	26313	25305
15	25361	26369	15'	26369	25361
16	25417	26425	16'	26425	25417

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17.0 28 GHz Frequency Tables

Table-17-1 28 GHz ETSI / CEPT (3) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	27552	28560	1'	28560	27552
2	27559	28567	2'	28567	27559
3	27566	28574	3'	28574	27566
4	27573	28581	4'	28581	27573
5	27580	28588	5'	28588	27580
6	27587	28595	6'	28595	27587
7	27594	28602	7'	28602	27594
8	27601	28609	8'	28609	27601
9	27608	28616	9'	28616	27608
10	27615	28623	10'	28623	27615
11	27622	28630	11'	28630	27622
12	27629	28637	12'	28637	27629
13	27636	28644	13'	28644	27636
14	27643	28651	14'	28651	27643
15	27650	28658	15'	28658	27650
16	27657	28665	16'	28665	27657
17	27664	28672	17'	28672	27664
18	27671	28679	18'	28679	27671
19	27678	28686	19'	28686	27678
20	27685	28693	20'	28693	27685
21	27692	28700	21'	28700	27692
22	27699	28707	22'	28707	27699
23	27706	28714	23'	28714	27706
24	27713	28721	24'	28721	27713
25	27720	28728	25'	28728	27720
26	27727	28735	26'	28735	27727
27	27734	28742	27'	28742	27734
28	27741	28749	28'	28749	27741
29	27748	28756	29'	28756	27748
30	27755	28763	30'	28763	27755
31	27762	28770	31'	28770	27762
32	27769	28777	32'	28777	27769
33	27776	28784	33'	28784	27776
34	27783	28791	34'	28791	27783
35	27790	28798	35'	28798	27790
36	27797	28805	36'	28805	27797
37	27804	28812	37'	28812	27804
38	27811	28819	38'	28819	27811
39	27818	28826	39'	28826	27818
40	27825	28833	40'	28833	27825
41	27832	28840	41'	28840	27832
42	27839	28847	42'	28847	27839
43	27846	28854	43'	28854	27846
44	27853	28861	44'	28861	27853
45	27860	28868	45'	28868	27860
46	27867	28875	46'	28875	27867
47	27874	28882	47'	28882	27874
48	27881	28889	48'	28889	27881
49	27888	28896	49'	28896	27888
50	27895	28903	50'	28903	27895
51	27902	28910	51'	28910	27902
52	27909	28917	52'	28917	27909
53	27916	28924	53'	28924	27916
54	27923	28931	54'	28931	27923
55	27930	28938	55'	28938	27930
56	27937	28945	56'	28945	27937
57	27944	28952	57'	28952	27944
58	27951	28959	58'	28959	27951

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
28 GHz ETSI / CEPT (1) 7 MHz Channels - continued					
59	27958	28966	59'	28966	27958
60	27965	28973	60'	28973	27965
61	27972	28980	61'	28980	27972
62	27979	28987	62'	28987	27979
63	27986	28994	63'	28994	27986
64	27993	29001	64'	29001	27993

Table-17-2 28 GHz ETSI / CEPT (4) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
65	28000	29008	65'	29008	28000
66	28007	29015	66'	29015	28007
67	28014	29022	67'	29022	28014
68	28021	29029	68'	29029	28021
69	28028	29036	69'	29036	28028
70	28035	29043	70'	29043	28035
71	28042	29050	71'	29050	28042
72	28049	29057	72'	29057	28049
73	28056	29064	73'	29064	28056
74	28063	29071	74'	29071	28063
75	28070	29078	75'	29078	28070
76	28077	29085	76'	29085	28077
77	28084	29092	77'	29092	28084
78	28091	29099	78'	29099	28091
79	28098	29106	79'	29106	28098
80	28105	29113	80'	29113	28105
81	28112	29120	81'	29120	28112
82	28119	29127	82'	29127	28119
83	28126	29134	83'	29134	28126
84	28133	29141	84'	29141	28133
85	28140	29148	85'	29148	28140
86	28147	29155	86'	29155	28147
87	28154	29162	87'	29162	28154
88	28161	29169	88'	29169	28161
89	28168	29176	89'	29176	28168
90	28175	29183	90'	29183	28175
91	28182	29190	91'	29190	28182
92	28189	29197	92'	29197	28189
93	28196	29204	93'	29204	28196
94	28203	29211	94'	29211	28203
95	28210	29218	95'	29218	28210
96	28217	29225	96'	29225	28217
97	28224	29232	97'	29232	28224
98	28231	29239	98'	29239	28231
99	28238	29246	99'	29246	28238
100	28245	29253	100'	29253	28245
101	28252	29260	101'	29260	28252
102	28259	29267	102'	29267	28259
103	28266	29274	103'	29274	28266
104	28273	29281	104'	29281	28273
105	28280	29288	105'	29288	28280
106	28287	29295	106'	29295	28287
107	28294	29302	107'	29302	28294
108	28301	29309	108'	29309	28301
109	28308	29316	109'	29316	28308
110	28315	29323	110'	29323	28315
111	28322	29330	111'	29330	28322
112	28329	29337	112'	29337	28329
113	28336	29344	113'	29344	28336
114	28343	29351	114'	29351	28343

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
28 GHz ETSI / CEPT (2) 7 MHz Channels - continued					
115	28350	29358	115'	29358	28350
116	28357	29365	116'	29365	28357
117	28364	29372	117'	29372	28364
118	28371	29379	118'	29379	28371
119	28378	29386	119'	29386	28378
120	28385	29393	120'	29393	28385
121	28392	29400	121'	29400	28392
122	28399	29407	122'	29407	28399
123	28406	29414	123'	29414	28406
124	28413	29421	124'	29421	28413
125	28420	29428	125'	29428	28420
126	28427	29435	126'	29435	28427
127	28434	29442	127'	29442	28434
128	28441	29449	128'	29449	28441

Table-17-3 28 GHz FCC LMDS A1 (1) 10 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	27505	27955	1'	27955	27505
2	27515	27965	2'	27965	27515
3	27525	27975	3'	27975	27525
4	27535	27985	4'	27985	27535
5	27545	27995	5'	27995	27545
6	27555	28005	6'	28005	27555
7	27565	28015	7'	28015	27565
8	27575	28025	8'	28025	27575
9	27585	28035	9'	28035	27585
10	27595	28045	10'	28045	27595
11	27605	28055	11'	28055	27605
12	27615	28065	12'	28065	27615
13	27625	28075	13'	28075	27625
14	27635	28085	14'	28085	27635
15	27645	28095	15'	28095	27645
16	27655	28105	16'	28105	27655
17	27665	28115	17'	28115	27665
18	27675	28125	18'	28125	27675
19	27685	28135	19'	28135	27685
20	27695	28145	20'	28145	27695

Table-17-4 28 GHz FCC LMDS A1 (2) 10 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
21	27705	28155	21'	28155	27705
22	27715	28165	22'	28165	27715
23	27725	28175	23'	28175	27725
24	27735	28185	24'	28185	27735
25	27745	28195	25'	28195	27745
26	27755	28205	26'	28205	27755
27	27765	28215	27'	28215	27765
28	27775	28225	28'	28225	27775
29	27785	28235	29'	28235	27785
30	27795	28245	30'	28245	27795
31	27805	28255	31'	28255	27805
32	27815	28265	32'	28265	27815
33	27825	28275	33'	28275	27825
34	27835	28285	34'	28285	27835
35	27845	28295	35'	28295	27845
36	27855	28305	36'	28305	27855
37	27865	28315	37'	28315	27865
38	27875	28325	38'	28325	27875
39	27885	28335	39'	28335	27885
40	27895	28345	40'	28345	27895

Table-17-5 28 GHz ETSI/CEPT (3) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	27555.5	28563.5	1'	28563.5	27555.5
2	27569.5	28577.5	2'	28577.5	27569.5
3	27583.5	28591.5	3'	28591.5	27583.5
4	27597.5	28605.5	4'	28605.5	27597.5
5	27611.5	28619.5	5'	28619.5	27611.5
6	27625.5	28633.5	6'	28633.5	27625.5
7	27639.5	28647.5	7'	28647.5	27639.5
8	27653.5	28661.5	8'	28661.5	27653.5
9	27667.5	28675.5	9'	28675.5	27667.5
10	27681.5	28689.5	10'	28689.5	27681.5
11	27695.5	28703.5	11'	28703.5	27695.5
12	27709.5	28717.5	12'	28717.5	27709.5
13	27723.5	28731.5	13'	28731.5	27723.5
14	27737.5	28745.5	14'	28745.5	27737.5
15	27751.5	28759.5	15'	28759.5	27751.5
16	27765.5	28773.5	16'	28773.5	27765.5
17	27779.5	28787.5	17'	28787.5	27779.5
18	27793.5	28801.5	18'	28801.5	27793.5
19	27807.5	28815.5	19'	28815.5	27807.5
20	27821.5	28829.5	20'	28829.5	27821.5
21	27835.5	28843.5	21'	28843.5	27835.5
22	27849.5	28857.5	22'	28857.5	27849.5
23	27863.5	28871.5	23'	28871.5	27863.5
24	27877.5	28885.5	24'	28885.5	27877.5
25	27891.5	28899.5	25'	28899.5	27891.5
26	27905.5	28913.5	26'	28913.5	27905.5
27	27919.5	28927.5	27'	28927.5	27919.5
28	27933.5	28941.5	28'	28941.5	27933.5
29	27947.5	28955.5	29'	28955.5	27947.5
30	27961.5	28969.5	30'	28969.5	27961.5
31	27975.5	28983.5	31'	28983.5	27975.5
32	27989.5	28997.5	32'	28997.5	27989.5

Table-17-6 28 GHz ETSI/CEPT (4) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
33	28003.5	29011.5	33'	29011.5	28003.5
34	28017.5	29025.5	34'	29025.5	28017.5
35	28031.5	29039.5	35'	29039.5	28031.5
36	28045.5	29053.5	36'	29053.5	28045.5
37	28059.5	29067.5	37'	29067.5	28059.5
38	28073.5	29081.5	38'	29081.5	28073.5
39	28087.5	29095.5	39'	29095.5	28087.5
40	28101.5	29109.5	40'	29109.5	28101.5
41	28115.5	29123.5	41'	29123.5	28115.5
42	28129.5	29137.5	42'	29137.5	28129.5
43	28143.5	29151.5	43'	29151.5	28143.5
44	28157.5	29165.5	44'	29165.5	28157.5
45	28171.5	29179.5	45'	29179.5	28171.5
46	28185.5	29193.5	46'	29193.5	28185.5
47	28199.5	29207.5	47'	29207.5	28199.5
48	28213.5	29221.5	48'	29221.5	28213.5
49	28227.5	29235.5	49'	29235.5	28227.5
50	28241.5	29249.5	50'	29249.5	28241.5
51	28255.5	29263.5	51'	29263.5	28255.5
52	28269.5	29277.5	52'	29277.5	28269.5
53	28283.5	29291.5	53'	29291.5	28283.5
54	28297.5	29305.5	54'	29305.5	28297.5
55	28311.5	29319.5	55'	29319.5	28311.5
56	28325.5	29333.5	56'	29333.5	28325.5
57	28339.5	29347.5	57'	29347.5	28339.5
58	28353.5	29361.5	58'	29361.5	28353.5
59	28367.5	29375.5	59'	29375.5	28367.5
60	28381.5	29389.5	60'	29389.5	28381.5
61	28395.5	29403.5	61'	29403.5	28395.5
62	28409.5	29417.5	62'	29417.5	28409.5
63	28423.5	29431.5	63'	29431.5	28423.5
64	28437.5	29445.5	64'	29445.5	28437.5

Table-17-7 28 GHz FCC LMDS A1 (1) 25 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	27512.5	27962.5	1'	27962.5	27512.5
2	27537.5	27987.5	2'	27987.5	27537.5
3	27562.5	28012.5	3'	28012.5	27562.5
4	27587.5	28037.5	4'	28037.5	27587.5
5	27612.5	28062.5	5'	28062.5	27612.5
6	27637.5	28087.5	6'	28087.5	27637.5
7	27662.5	28112.5	7'	28112.5	27662.5
8	27687.5	28137.5	8'	28137.5	27687.5

Table-17-8 28 GHz FCC LMDS A1 (2) 25 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	27712.5	28162.5	1'	28162.5	27712.5
2	27737.5	28187.5	2'	28187.5	27737.5
3	27762.5	28212.5	3'	28212.5	27762.5
4	27787.5	28237.5	4'	28237.5	27787.5
5	27812.5	28262.5	5'	28262.5	27812.5
6	27837.5	28287.5	6'	28287.5	27837.5
7	27862.5	28312.5	7'	28312.5	27862.5
8	27887.5	28337.5	8'	28337.5	27887.5

Table-17-9 28 GHz ETSI/CEPT (3) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	27562.5	28570.5	1'	28570.5	27562.5
2	27590.5	28598.5	2'	28598.5	27590.5
3	27618.5	28626.5	3'	28626.5	27618.5
4	27646.5	28654.5	4'	28654.5	27646.5
5	27674.5	28682.5	5'	28682.5	27674.5
6	27702.5	28710.5	6'	28710.5	27702.5
7	27730.5	28738.5	7'	28738.5	27730.5
8	27758.5	28766.5	8'	28766.5	27758.5
9	27786.5	28794.5	9'	28794.5	27786.5
10	27814.5	28822.5	10'	28822.5	27814.5
11	27842.5	28850.5	11'	28850.5	27842.5
12	27870.5	28878.5	12'	28878.5	27870.5
13	27898.5	28906.5	13'	28906.5	27898.5
14	27926.5	28934.5	14'	28934.5	27926.5
15	27954.5	28962.5	15'	28962.5	27954.5
16	27982.5	28990.5	16'	28990.5	27982.5

Table-17-10 28 GHz ETSI/CEPT (4) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
17	28010.5	29018.5	17'	29018.5	28010.5
18	28038.5	29046.5	18'	29046.5	28038.5
19	28066.5	29074.5	19'	29074.5	28066.5
20	28094.5	29102.5	20'	29102.5	28094.5
21	28122.5	29130.5	21'	29130.5	28122.5
22	28150.5	29158.5	22'	29158.5	28150.5
23	28178.5	29186.5	23'	29186.5	28178.5
24	28206.5	29214.5	24'	29214.5	28206.5
25	28234.5	29242.5	25'	29242.5	28234.5
26	28262.5	29270.5	26'	29270.5	28262.5
27	28290.5	29298.5	27'	29298.5	28290.5
28	28318.5	29326.5	28'	29326.5	28318.5
29	28346.5	29354.5	29'	29354.5	28346.5
30	28374.5	29382.5	30'	29382.5	28374.5
31	28402.5	29410.5	31'	29410.5	28402.5
32	28430.5	29438.5	32'	29438.5	28430.5

Table-17-11 28 GHz FCC LMDS A1 (1) 50 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	27525	27975	1'	27975	27525
2	27575	28025	2'	28025	27575
3	27625	28075	3'	28075	27625
4	27675	28125	4'	28125	27675

Table-17-12 28 GHz FCC LMDS A1 (2) 50 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	27725	28175	1'	28175	27725
2	27775	28225	2'	28225	27775
3	27825	28275	3'	28275	27825
4	27875	28325	4'	28325	27875

Table-17-13 28 GHz ETSI/CEPT (3) 56 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	27576.5	28584.5	1'	28584.5	27576.5
2	27632.5	28640.5	2'	28640.5	27632.5
3	27688.5	28696.5	3'	28696.5	27688.5
4	27744.5	28752.5	4'	28752.5	27744.5
5	27800.5	28808.5	5'	28808.5	27800.5
6	27856.5	28864.5	6'	28864.5	27856.5
7	27912.5	28920.5	7'	28920.5	27912.5
8	27968.5	28976.5	8'	28976.5	27968.5

Table-17-14 28 GHz ETSI/CEPT (4) 56 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
9	28024.5	29032.5	9'	29032.5	28024.5
10	28080.5	29088.5	10'	29088.5	28080.5
11	28136.5	29144.5	11'	29144.5	28136.5
12	28192.5	29200.5	12'	29200.5	28192.5
13	28248.5	29256.5	13'	29256.5	28248.5
14	28304.5	29312.5	14'	29312.5	28304.5
15	28360.5	29368.5	15'	29368.5	28360.5
16	28416.5	29424.5	16'	29424.5	28416.5

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18.0 31 GHz Frequency Tables

Table-18-1 31 GHz FCC LMDS B (1) 10 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	31007.5	31232.5	1'	31232.5	31007.5
2	31017.5	31242.5	2'	31242.5	31017.5
3	31027.5	31252.5	3'	31252.5	31027.5
4	31037.5	31262.5	4'	31262.5	31037.5
5	31047.5	31272.5	5'	31272.5	31047.5
6	31057.5	31282.5	6'	31282.5	31057.5
7	31067.5	31292.5	7'	31292.5	31067.5

Table-18-2 31 GHz FCC LMDS B (1) 25 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	31012.5	31237.5	1'	31237.5	31012.5
2	31037.5	31262.5	2'	31262.5	31037.5
3	31062.5	31287.5	3'	31287.5	31062.5

Table-18-3 31 GHz FCC LMDS B (1) 50 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	31025	31250	1'	31250	31025
2	31050	31275	2'	31275	31050

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19.0 32 GHz Frequency Tables

Table-19-1 32 GHz ETSI (1) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	31818.5	32630.5	1'	32630.5	31818.5
2	31825.5	32637.5	2'	32637.5	31825.5
3	31832.5	32644.5	3'	32644.5	31832.5
4	31839.5	32651.5	4'	32651.5	31839.5
5	31846.5	32658.5	5'	32658.5	31846.5
6	31853.5	32665.5	6'	32665.5	31853.5
7	31860.5	32672.5	7'	32672.5	31860.5
8	31867.5	32679.5	8'	32679.5	31867.5
9	31874.5	32686.5	9'	32686.5	31874.5
10	31881.5	32693.5	10'	32693.5	31881.5
11	31888.5	32700.5	11'	32700.5	31888.5
12	31895.5	32707.5	12'	32707.5	31895.5
13	31902.5	32714.5	13'	32714.5	31902.5
14	31909.5	32721.5	14'	32721.5	31909.5
15	31916.5	32728.5	15'	32728.5	31916.5
16	31923.5	32735.5	16'	32735.5	31923.5
17	31930.5	32742.5	17'	32742.5	31930.5
18	31937.5	32749.5	18'	32749.5	31937.5
19	31944.5	32756.5	19'	32756.5	31944.5
20	31951.5	32763.5	20'	32763.5	31951.5
21	31958.5	32770.5	21'	32770.5	31958.5
22	31965.5	32777.5	22'	32777.5	31965.5
23	31972.5	32784.5	23'	32784.5	31972.5
24	31979.5	32791.5	24'	32791.5	31979.5
25	31986.5	32798.5	25'	32798.5	31986.5
26	31993.5	32805.5	26'	32805.5	31993.5
27	32000.5	32812.5	27'	32812.5	32000.5
28	32007.5	32819.5	28'	32819.5	32007.5
29	32014.5	32826.5	29'	32826.5	32014.5
30	32021.5	32833.5	30'	32833.5	32021.5
31	32028.5	32840.5	31'	32840.5	32028.5
32	32035.5	32847.5	32'	32847.5	32035.5
33	32042.5	32854.5	33'	32854.5	32042.5
34	32049.5	32861.5	34'	32861.5	32049.5
35	32056.5	32868.5	35'	32868.5	32056.5
36	32063.5	32875.5	36'	32875.5	32063.5
37	32070.5	32882.5	37'	32882.5	32070.5
38	32077.5	32889.5	38'	32889.5	32077.5
39	32084.5	32896.5	39'	32896.5	32084.5
40	32091.5	32903.5	40'	32903.5	32091.5
41	32098.5	32910.5	41'	32910.5	32098.5
42	32105.5	32917.5	42'	32917.5	32105.5
43	32112.5	32924.5	43'	32924.5	32112.5
44	32119.5	32931.5	44'	32931.5	32119.5
45	32126.5	32938.5	45'	32938.5	32126.5
46	32133.5	32945.5	46'	32945.5	32133.5
47	32140.5	32952.5	47'	32952.5	32140.5
48	32147.5	32959.5	48'	32959.5	32147.5
49	32154.5	32966.5	49'	32966.5	32154.5
50	32161.5	32973.5	50'	32973.5	32161.5
51	32168.5	32980.5	51'	32980.5	32168.5
52	32175.5	32987.5	52'	32987.5	32175.5
53	32182.5	32994.5	53'	32994.5	32182.5
54	32189.5	33001.5	54'	33001.5	32189.5
55	32196.5	33008.5	55'	33008.5	32196.5
56	32203.5	33015.5	56'	33015.5	32203.5

Table-19-2 32 GHz ETSI (2) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
57	32210.5	33022.5	57'	33022.5	32210.5
58	32217.5	33029.5	58'	33029.5	32217.5
59	32224.5	33036.5	59'	33036.5	32224.5
60	32231.5	33043.5	60'	33043.5	32231.5
61	32238.5	33050.5	61'	33050.5	32238.5
62	32245.5	33057.5	62'	33057.5	32245.5
63	32252.5	33064.5	63'	33064.5	32252.5
64	32259.5	33071.5	64'	33071.5	32259.5
65	32266.5	33078.5	65'	33078.5	32266.5
66	32273.5	33085.5	66'	33085.5	32273.5
67	32280.5	33092.5	67'	33092.5	32280.5
68	32287.5	33099.5	68'	33099.5	32287.5
69	32294.5	33106.5	69'	33106.5	32294.5
70	32301.5	33113.5	70'	33113.5	32301.5
71	32308.5	33120.5	71'	33120.5	32308.5
72	32315.5	33127.5	72'	33127.5	32315.5
73	32322.5	33134.5	73'	33134.5	32322.5
74	32329.5	33141.5	74'	33141.5	32329.5
75	32336.5	33148.5	75'	33148.5	32336.5
76	32343.5	33155.5	76'	33155.5	32343.5
77	32350.5	33162.5	77'	33162.5	32350.5
78	32357.5	33169.5	78'	33169.5	32357.5
79	32364.5	33176.5	79'	33176.5	32364.5
80	32371.5	33183.5	80'	33183.5	32371.5
81	32378.5	33190.5	81'	33190.5	32378.5
82	32385.5	33197.5	82'	33197.5	32385.5
83	32392.5	33204.5	83'	33204.5	32392.5
84	32399.5	33211.5	84'	33211.5	32399.5
85	32406.5	33218.5	85'	33218.5	32406.5
86	32413.5	33225.5	86'	33225.5	32413.5
87	32420.5	33232.5	87'	33232.5	32420.5
88	32427.5	33239.5	88'	33239.5	32427.5
89	32434.5	33246.5	89'	33246.5	32434.5
90	32441.5	33253.5	90'	33253.5	32441.5
91	32448.5	33260.5	91'	33260.5	32448.5
92	32455.5	33267.5	92'	33267.5	32455.5
93	32462.5	33274.5	93'	33274.5	32462.5
94	32469.5	33281.5	94'	33281.5	32469.5
95	32476.5	33288.5	95'	33288.5	32476.5
96	32483.5	33295.5	96'	33295.5	32483.5
97	32490.5	33302.5	97'	33302.5	32490.5
98	32497.5	33309.5	98'	33309.5	32497.5
99	32504.5	33316.5	99'	33316.5	32504.5
100	32511.5	33323.5	100'	33323.5	32511.5
101	32518.5	33330.5	101'	33330.5	32518.5
102	32525.5	33337.5	102'	33337.5	32525.5
103	32532.5	33344.5	103'	33344.5	32532.5
104	32539.5	33351.5	104'	33351.5	32539.5
105	32546.5	33358.5	105'	33358.5	32546.5
106	32553.5	33365.5	106'	33365.5	32553.5
107	32560.5	33372.5	107'	33372.5	32560.5
108	32567.5	33379.5	108'	33379.5	32567.5

Table-19-3 32 GHz ETSI (1) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	31822	32634	1'	32634	31822
2	31836	32648	2'	32648	31836
3	31850	32662	3'	32662	31850
4	31864	32676	4'	32676	31864
5	31878	32690	5'	32690	31878
6	31892	32704	6'	32704	31892
7	31906	32718	7'	32718	31906
8	31920	32732	8'	32732	31920
9	31934	32746	9'	32746	31934
10	31948	32760	10'	32760	31948
11	31962	32774	11'	32774	31962
12	31976	32788	12'	32788	31976
13	31990	32802	13'	32802	31990
14	32004	32816	14'	32816	32004
15	32018	32830	15'	32830	32018
16	32032	32844	16'	32844	32032
17	32046	32858	17'	32858	32046
18	32060	32872	18'	32872	32060
19	32074	32886	19'	32886	32074
20	32088	32900	20'	32900	32088
21	32102	32914	21'	32914	32102
22	32116	32928	22'	32928	32116
23	32130	32942	23'	32942	32130
24	32144	32956	24'	32956	32144
25	32158	32970	25'	32970	32158
26	32172	32984	26'	32984	32172
27	32186	32998	27'	32998	32186
28	32200	33012	28'	33012	32200

Table-19-4 32 GHz ETSI (2) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
29	32214	33026	29'	33026	32214
30	32228	33040	30'	33040	32228
31	32242	33054	31'	33054	32242
32	32256	33068	32'	33068	32256
33	32270	33082	33'	33082	32270
34	32284	33096	34'	33096	32284
35	32298	33110	35'	33110	32298
36	32312	33124	36'	33124	32312
37	32326	33138	37'	33138	32326
38	32340	33152	38'	33152	32340
39	32354	33166	39'	33166	32354
40	32368	33180	40'	33180	32368
41	32382	33194	41'	33194	32382
42	32396	33208	42'	33208	32396
43	32410	33222	43'	33222	32410
44	32424	33236	44'	33236	32424
45	32438	33250	45'	33250	32438
46	32452	33264	46'	33264	32452
47	32466	33278	47'	33278	32466
48	32480	33292	48'	33292	32480
49	32494	33306	49'	33306	32494
50	32508	33320	50'	33320	32508
51	32522	33334	51'	33334	32522
52	32536	33348	52'	33348	32536
53	32550	33362	53'	33362	32550
54	32564	33376	54'	33376	32564

Table-19-5 32 GHz ETSI (1) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	31829	32641	1'	32641	31829
2	31857	32669	2'	32669	31857
3	31885	32697	3'	32697	31885
4	31913	32725	4'	32725	31913
5	31941	32753	5'	32753	31941
6	31969	32781	6'	32781	31969
7	31997	32809	7'	32809	31997
8	32025	32837	8'	32837	32025
9	32053	32865	9'	32865	32053
10	32081	32893	10'	32893	32081
11	32109	32921	11'	32921	32109
12	32137	32949	12'	32949	32137
13	32165	32977	13'	32977	32165
14	32193	33005	14'	33005	32193

Table-19-6 32 GHz ETSI (2) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
15	32221	33033	15'	33033	32221
16	32249	33061	16'	33061	32249
17	32277	33089	17'	33089	32277
18	32305	33117	18'	33117	32305
19	32333	33145	19'	33145	32333
20	32361	33173	20'	33173	32361
21	32389	33201	21'	33201	32389
22	32417	33229	22'	33229	32417
23	32445	33257	23'	33257	32445
24	32473	33285	24'	33285	32473
25	32501	33313	25'	33313	32501
26	32529	33341	26'	33341	32529
27	32557	33369	27'	33369	32557
15	32221	33033	15'	33033	32221

Table-19-7 32 GHz ETSI (1) 56 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	31899	32711	1'	32711	31899
2	31955	32767	2'	32767	31955
3	32011	32823	3'	32823	32011
4	32067	32879	4'	32879	32067
5	32123	32935	5'	32935	32123
6	32179	32991	6'	32991	32179

Table-19-8 32 GHz ETSI (2) 56 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
7	32235	33047	7'	33047	32235
8	32291	33103	8'	33103	32291
9	32347	33159	9'	33159	32347
10	32403	33215	10'	33215	32403
11	32459	33271	11'	33271	32459
12	32515	33327	12'	33327	32515

20.0 38 GHz APNG Frequency Tables

Table-20-1 38 GHz ETSI (1) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	37061.5	38321.5	1'	38321.5	37061.5
2	37068.5	38328.5	2'	38328.5	37068.5
3	37075.5	38335.5	3'	38335.5	37075.5
4	37082.5	38342.5	4'	38342.5	37082.5
5	37089.5	38349.5	5'	38349.5	37089.5
6	37096.5	38356.5	6'	38356.5	37096.5
7	37103.5	38363.5	7'	38363.5	37103.5
8	37110.5	38370.5	8'	38370.5	37110.5
9	37117.5	38377.5	9'	38377.5	37117.5
10	37124.5	38384.5	10'	38384.5	37124.5
11	37131.5	38391.5	11'	38391.5	37131.5
12	37138.5	38398.5	12'	38398.5	37138.5
13	37145.5	38405.5	13'	38405.5	37145.5
14	37152.5	38412.5	14'	38412.5	37152.5
15	37159.5	38419.5	15'	38419.5	37159.5
16	37166.5	38426.5	16'	38426.5	37166.5
17	37173.5	38433.5	17'	38433.5	37173.5
18	37180.5	38440.5	18'	38440.5	37180.5
19	37187.5	38447.5	19'	38447.5	37187.5
20	37194.5	38454.5	20'	38454.5	37194.5
21	37201.5	38461.5	21'	38461.5	37201.5
22	37208.5	38468.5	22'	38468.5	37208.5
23	37215.5	38475.5	23'	38475.5	37215.5
24	37222.5	38482.5	24'	38482.5	37222.5
25	37229.5	38489.5	25'	38489.5	37229.5
26	37236.5	38496.5	26'	38496.5	37236.5
27	37243.5	38503.5	27'	38503.5	37243.5
28	37250.5	38510.5	28'	38510.5	37250.5
29	37257.5	38517.5	29'	38517.5	37257.5
30	37264.5	38524.5	30'	38524.5	37264.5
31	37271.5	38531.5	31'	38531.5	37271.5
32	37278.5	38538.5	32'	38538.5	37278.5
33	37285.5	38545.5	33'	38545.5	37285.5
34	37292.5	38552.5	34'	38552.5	37292.5
35	37299.5	38559.5	35'	38559.5	37299.5
36	37306.5	38566.5	36'	38566.5	37306.5
37	37313.5	38573.5	37'	38573.5	37313.5
38	37320.5	38580.5	38'	38580.5	37320.5
39	37327.5	38587.5	39'	38587.5	37327.5
40	37334.5	38594.5	40'	38594.5	37334.5
41	37341.5	38601.5	41'	38601.5	37341.5
42	37348.5	38608.5	42'	38608.5	37348.5
43	37355.5	38615.5	43'	38615.5	37355.5
44	37362.5	38622.5	44'	38622.5	37362.5
45	37369.5	38629.5	45'	38629.5	37369.5
46	37376.5	38636.5	46'	38636.5	37376.5
47	37383.5	38643.5	47'	38643.5	37383.5
48	37390.5	38650.5	48'	38650.5	37390.5
49	37397.5	38657.5	49'	38657.5	37397.5
50	37404.5	38664.5	50'	38664.5	37404.5
51	37411.5	38671.5	51'	38671.5	37411.5
52	37418.5	38678.5	52'	38678.5	37418.5
53	37425.5	38685.5	53'	38685.5	37425.5
54	37432.5	38692.5	54'	38692.5	37432.5
55	37439.5	38699.5	55'	38699.5	37439.5
56	37446.5	38706.5	56'	38706.5	37446.5
57	37453.5	38713.5	57'	38713.5	37453.5
58	37460.5	38720.5	58'	38720.5	37460.5

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
38 GHz ETSI (1) 7 MHz Channels - continued					
59	37467.5	38727.5	59'	38727.5	37467.5
60	37474.5	38734.5	60'	38734.5	37474.5
61	37481.5	38741.5	61'	38741.5	37481.5
62	37488.5	38748.5	62'	38748.5	37488.5
63	37495.5	38755.5	63'	38755.5	37495.5
64	37502.5	38762.5	64'	38762.5	37502.5
65	37509.5	38769.5	65'	38769.5	37509.5
66	37516.5	38776.5	66'	38776.5	37516.5
67	37523.5	38783.5	67'	38783.5	37523.5
68	37530.5	38790.5	68'	38790.5	37530.5
69	37537.5	38797.5	69'	38797.5	37537.5
70	37544.5	38804.5	70'	38804.5	37544.5
71	37551.5	38811.5	71'	38811.5	37551.5
72	37558.5	38818.5	72'	38818.5	37558.5
73	37565.5	38825.5	73'	38825.5	37565.5
74	37572.5	38832.5	74'	38832.5	37572.5
75	37579.5	38839.5	75'	38839.5	37579.5
76	37586.5	38846.5	76'	38846.5	37586.5
77	37593.5	38853.5	77'	38853.5	37593.5
78	37600.5	38860.5	78'	38860.5	37600.5
79	37607.5	38867.5	79'	38867.5	37607.5
80	37614.5	38874.5	80'	38874.5	37614.5

Table-20-2 38 GHz ETSI (2) 7 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
81	37621.5	38881.5	81'	38881.5	37621.5
82	37628.5	38888.5	82'	38888.5	37628.5
83	37635.5	38895.5	83'	38895.5	37635.5
84	37642.5	38902.5	84'	38902.5	37642.5
85	37649.5	38909.5	85'	38909.5	37649.5
86	37656.5	38916.5	86'	38916.5	37656.5
87	37663.5	38923.5	87'	38923.5	37663.5
88	37670.5	38930.5	88'	38930.5	37670.5
89	37677.5	38937.5	89'	38937.5	37677.5
90	37684.5	38944.5	90'	38944.5	37684.5
91	37691.5	38951.5	91'	38951.5	37691.5
92	37698.5	38958.5	92'	38958.5	37698.5
93	37705.5	38965.5	93'	38965.5	37705.5
94	37712.5	38972.5	94'	38972.5	37712.5
95	37719.5	38979.5	95'	38979.5	37719.5
96	37726.5	38986.5	96'	38986.5	37726.5
97	37733.5	38993.5	97'	38993.5	37733.5
98	37740.5	39000.5	98'	39000.5	37740.5
99	37747.5	39007.5	99'	39007.5	37747.5
100	37754.5	39014.5	100'	39014.5	37754.5
101	37761.5	39021.5	101'	39021.5	37761.5
102	37768.5	39028.5	102'	39028.5	37768.5
103	37775.5	39035.5	103'	39035.5	37775.5
104	37782.5	39042.5	104'	39042.5	37782.5
105	37789.5	39049.5	105'	39049.5	37789.5
106	37796.5	39056.5	106'	39056.5	37796.5
107	37803.5	39063.5	107'	39063.5	37803.5
108	37810.5	39070.5	108'	39070.5	37810.5
109	37817.5	39077.5	109'	39077.5	37817.5
110	37824.5	39084.5	110'	39084.5	37824.5
111	37831.5	39091.5	111'	39091.5	37831.5
112	37838.5	39098.5	112'	39098.5	37838.5
113	37845.5	39105.5	113'	39105.5	37845.5
114	37852.5	39112.5	114'	39112.5	37852.5

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
GHz ETSI (2) 7 MHz Channels - continued					
115	37859.5	39119.5	115'	39119.5	37859.5
116	37866.5	39126.5	116'	39126.5	37866.5
117	37873.5	39133.5	117'	39133.5	37873.5
118	37880.5	39140.5	118'	39140.5	37880.5
119	37887.5	39147.5	119'	39147.5	37887.5
120	37894.5	39154.5	120'	39154.5	37894.5
121	37901.5	39161.5	121'	39161.5	37901.5
122	37908.5	39168.5	122'	39168.5	37908.5
123	37915.5	39175.5	123'	39175.5	37915.5
124	37922.5	39182.5	124'	39182.5	37922.5
125	37929.5	39189.5	125'	39189.5	37929.5
126	37936.5	39196.5	126'	39196.5	37936.5
127	37943.5	39203.5	127'	39203.5	37943.5
128	37950.5	39210.5	128'	39210.5	37950.5
129	37957.5	39217.5	129'	39217.5	37957.5
130	37964.5	39224.5	130'	39224.5	37964.5
131	37971.5	39231.5	131'	39231.5	37971.5
132	37978.5	39238.5	132'	39238.5	37978.5
133	37985.5	39245.5	133'	39245.5	37985.5
134	37992.5	39252.5	134'	39252.5	37992.5
135	37999.5	39259.5	135'	39259.5	37999.5
136	38006.5	39266.5	136'	39266.5	38006.5
137	38013.5	39273.5	137'	39273.5	38013.5
138	38020.5	39280.5	138'	39280.5	38020.5
139	38027.5	39287.5	139'	39287.5	38027.5
140	38034.5	39294.5	140'	39294.5	38034.5
141	38041.5	39301.5	141'	39301.5	38041.5
142	38048.5	39308.5	142'	39308.5	38048.5
143	38055.5	39315.5	143'	39315.5	38055.5
144	38062.5	39322.5	144'	39322.5	38062.5
145	38069.5	39329.5	145'	39329.5	38069.5
146	38076.5	39336.5	146'	39336.5	38076.5
147	38083.5	39343.5	147'	39343.5	38083.5
148	38090.5	39350.5	148'	39350.5	38090.5
149	38097.5	39357.5	149'	39357.5	38097.5
150	38104.5	39364.5	150'	39364.5	38104.5
151	38111.5	39371.5	151'	39371.5	38111.5
152	38118.5	39378.5	152'	39378.5	38118.5
153	38125.5	39385.5	153'	39385.5	38125.5
154	38132.5	39392.5	154'	39392.5	38132.5
155	38139.5	39399.5	155'	39399.5	38139.5
156	38146.5	39406.5	156'	39406.5	38146.5
157	38153.5	39413.5	157'	39413.5	38153.5
158	38160.5	39420.5	158'	39420.5	38160.5
159	38167.5	39427.5	159'	39427.5	38167.5
160	38174.5	39434.5	160'	39434.5	38174.5

Table-20-3 38 GHz FCC / IC (3) 10 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	38605	39305	1'	39305	38605
2	38615	39315	2'	39315	38615
3	38625	39325	3'	39325	38625
4	38635	39335	4'	39335	38635
5	38645	39345	5'	39345	38645
6	38655	39355	6'	39355	38655
7	38665	39365	7'	39365	38665
8	38675	39375	8'	39375	38675
9	38685	39385	9'	39385	38685
10	38695	39395	10'	39395	38695
11	38705	39405	11'	39405	38705
12	38715	39415	12'	39415	38715
13	38725	39425	13'	39425	38725
14	38735	39435	14'	39435	38735
15	38745	39445	15'	39445	38745
16	38755	39455	16'	39455	38755
17	38765	39465	17'	39465	38765
18	38775	39475	18'	39475	38775
19	38785	39485	19'	39485	38785
20	38795	39495	20'	39495	38795
21	38805	39505	21'	39505	38805
22	38815	39515	22'	39515	38815
23	38825	39525	23'	39525	38825
24	38835	39535	24'	39535	38835
25	38845	39545	25'	39545	38845

Table-20-4 38 GHz FCC / IC (4) 10 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
26	38855	39555	26'	39555	38855
27	38865	39565	27'	39565	38865
28	38875	39575	28'	39575	38875
29	38885	39585	29'	39585	38885
30	38895	39595	30'	39595	38895
31	38905	39605	31'	39605	38905
32	38915	39615	32'	39615	38915
33	38925	39625	33'	39625	38925
34	38935	39635	34'	39635	38935
35	38945	39645	35'	39645	38945
36	38955	39655	36'	39655	38955
37	38965	39665	37'	39665	38965
38	38975	39675	38'	39675	38975
39	38985	39685	39'	39685	38985
40	38995	39695	40'	39695	38995
41	39005	39705	41'	39705	39005
42	39015	39715	42'	39715	39015
43	39025	39725	43'	39725	39025
44	39035	39735	44'	39735	39035
45	39045	39745	45'	39745	39045
46	39055	39755	46'	39755	39055
47	39065	39765	47'	39765	39065
48	39075	39775	48'	39775	39075
49	39085	39785	49'	39785	39085
50	39095	39795	50'	39795	39095

Table-20-5 38 GHz FCC / IC (5) 10 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
46	39055	39755	46'	39755	39055
47	39065	39765	47'	39765	39065
48	39075	39775	48'	39775	39075
49	39085	39785	49'	39785	39085
50	39095	39795	50'	39795	39095
51	39105	39805	51'	39805	39105
52	39115	39815	52'	39815	39115
53	39125	39825	53'	39825	39125
54	39135	39835	54'	39835	39135
55	39145	39845	55'	39845	39145
56	39155	39855	56'	39855	39155
57	39165	39865	57'	39865	39165
58	39175	39875	58'	39875	39175
59	39185	39885	59'	39885	39185
60	39195	39895	60'	39895	39195
61	39205	39905	61'	39905	39205
62	39215	39915	62'	39915	39215
63	39225	39925	63'	39925	39225
64	39235	39935	64'	39935	39235
65	39245	39945	65'	39945	39245
66	39255	39955	66'	39955	39255
67	39265	39965	67'	39965	39265
68	39275	39975	68'	39975	39275
69	39285	39985	69'	39985	39285
70	39295	39995	70'	39995	39295

Table-20-6 38 GHz Australia 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	37653	38913	1'	38913	37653
2	37667	38927	2'	38927	37667
3	37681	38941	3'	38941	37681
4	37695	38955	4'	38955	37695
5	37709	38969	5'	38969	37709
6	37723	38983	6'	38983	37723
7	37737	38997	7'	38997	37737
8	37751	39011	8'	39011	37751
9	37765	39025	9'	39025	37765
10	37779	39039	10'	39039	37779
11	37793	39053	11'	39053	37793
12	37807	39067	12'	39067	37807
13	37821	39081	13'	39081	37821
14	37835	39095	14'	39095	37835
15	37849	39109	15'	39109	37849
16	37863	39123	16'	39123	37863
17	37877	39137	17'	39137	37877
18	37891	39151	18'	39151	37891

Table-20-7 38 GHz ETSI/ITU/NZ (1) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	37065	38325	1'	38325	37065
2	37079	38339	2'	38339	37079
3	37093	38353	3'	38353	37093
4	37107	38367	4'	38367	37107
5	37121	38381	5'	38381	37121
6	37135	38395	6'	38395	37135
7	37149	38409	7'	38409	37149
8	37163	38423	8'	38423	37163
9	37177	38437	9'	38437	37177
10	37191	38451	10'	38451	37191
11	37205	38465	11'	38465	37205
12	37219	38479	12'	38479	37219
13	37233	38493	13'	38493	37233
14	37247	38507	14'	38507	37247
15	37261	38521	15'	38521	37261
16	37275	38535	16'	38535	37275
17	37289	38549	17'	38549	37289
18	37303	38563	18'	38563	37303
19	37317	38577	19'	38577	37317
20	37331	38591	20'	38591	37331
21	37345	38605	21'	38605	37345
22	37359	38619	22'	38619	37359
23	37373	38633	23'	38633	37373
24	37387	38647	24'	38647	37387
25	37401	38661	25'	38661	37401
26	37415	38675	26'	38675	37415
27	37429	38689	27'	38689	37429
28	37443	38703	28'	38703	37443
29	37457	38717	29'	38717	37457
30	37471	38731	30'	38731	37471
31	37485	38745	31'	38745	37485
32	37499	38759	32'	38759	37499
33	37513	38773	33'	38773	37513
34	37527	38787	34'	38787	37527
35	37541	38801	35'	38801	37541
36	37555	38815	36'	38815	37555
37	37569	38829	37'	38829	37569
38	37583	38843	38'	38843	37583
39	37597	38857	39'	38857	37597
40	37611	38871	40'	38871	37611

Table-20-8 38 GHz ETSI/ITU/NZ (2) 14 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
41	37625	38885	41'	38885	37625
42	37639	38899	42'	38899	37639
43	37653	38913	43'	38913	37653
44	37667	38927	44'	38927	37667
45	37681	38941	45'	38941	37681
46	37695	38955	46'	38955	37695
47	37709	38969	47'	38969	37709
48	37723	38983	48'	38983	37723
49	37737	38997	49'	38997	37737
50	37751	39011	50'	39011	37751
51	37765	39025	51'	39025	37765
52	37779	39039	52'	39039	37779
53	37793	39053	53'	39053	37793
54	37807	39067	54'	39067	37807
55	37821	39081	55'	39081	37821
56	37835	39095	56'	39095	37835
57	37849	39109	57'	39109	37849
58	37863	39123	58'	39123	37863
59	37877	39137	59'	39137	37877
60	37891	39151	60'	39151	37891
61	37905	39165	61'	39165	37905
62	37919	39179	62'	39179	37919
63	37933	39193	63'	39193	37933
64	37947	39207	64'	39207	37947
65	37961	39221	65'	39221	37961
66	37975	39235	66'	39235	37975
67	37989	39249	67'	39249	37989
68	38003	39263	68'	39263	38003
69	38017	39277	69'	39277	38017
70	38031	39291	70'	39291	38031
71	38045	39305	71'	39305	38045
72	38059	39319	72'	39319	38059
73	38073	39333	73'	39333	38073
74	38087	39347	74'	39347	38087
75	38101	39361	75'	39361	38101
76	38115	39375	76'	39375	38115
77	38129	39389	77'	39389	38129
78	38143	39403	78'	39403	38143
79	38157	39417	79'	39417	38157
80	38171	39431	80'	39431	38171

Table-20-9 38 GHz FCC/IC (3) 25 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	38612.5	39312.5	1'	39312.5	38612.5
2	38637.5	39337.5	2'	39337.5	38637.5
3	38662.5	39362.5	3'	39362.5	38662.5
4	38687.5	39387.5	4'	39387.5	38687.5
5	38712.5	39412.5	5'	39412.5	38712.5
6	38737.5	39437.5	6'	39437.5	38737.5
7	38762.5	39462.5	7'	39462.5	38762.5
8	38787.5	39487.5	8'	39487.5	38787.5
9	38812.5	39512.5	9'	39512.5	38812.5
10	38837.5	39537.5	10'	39537.5	38837.5

Table-20-10 38 GHz FCC/IC (4) 25 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
11	38862.5	39562.5	11'	39562.5	38862.5
12	38887.5	39587.5	12'	39587.5	38887.5
13	38912.5	39612.5	13'	39612.5	38912.5
14	38937.5	39637.5	14'	39637.5	38937.5
15	38962.5	39662.5	15'	39662.5	38962.5
16	38987.5	39687.5	16'	39687.5	38987.5
17	39012.5	39712.5	17'	39712.5	39012.5
18	39037.5	39737.5	18'	39737.5	39037.5
19	39062.5	39762.5	19'	39762.5	39062.5
20	39087.5	39787.5	20'	39787.5	39087.5

Table-20-11 38 GHz FCC/IC (5) 25 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
19	39062.5	39762.5	19'	39762.5	39062.5
20	39087.5	39787.5	20'	39787.5	39087.5
21	39112.5	39812.5	21'	39812.5	39112.5
22	39137.5	39837.5	22'	39837.5	39137.5
23	39162.5	39862.5	23'	39862.5	39162.5
24	39187.5	39887.5	24'	39887.5	39187.5
25	39212.5	39912.5	25'	39912.5	39212.5
26	39237.5	39937.5	26'	39937.5	39237.5
27	39262.5	39962.5	27'	39962.5	39262.5
28	39287.5	39987.5	28'	39987.5	39287.5

Table-20-12 38 GHz Australia 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	37912	39172	1'	39172	37912
2	37940	39200	2'	39200	37940
3	37968	39228	3'	39228	37968
4	37996	39256	4'	39256	37996
5	38024	39284	5'	39284	38024
6	38052	39312	6'	39312	38052
7	38080	39340	7'	39340	38080
8	38108	39368	8'	39368	38108
9	38136	39396	9'	39396	38136
10	38164	39424	10'	39424	38164

Table-20-13 38 GHz ETSI/ITU/NZ (1) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	37072	38332	1'	38332	37072
2	37100	38360	2'	38360	37100
3	37128	38388	3'	38388	37128
4	37156	38416	4'	38416	37156
5	37184	38444	5'	38444	37184
6	37212	38472	6'	38472	37212
7	37240	38500	7'	38500	37240
8	37268	38528	8'	38528	37268
9	37296	38556	9'	38556	37296
10	37324	38584	10'	38584	37324
11	37352	38612	11'	38612	37352
12	37380	38640	12'	38640	37380
13	37408	38668	13'	38668	37408
14	37436	38696	14'	38696	37436
15	37464	38724	15'	38724	37464
16	37492	38752	16'	38752	37492
17	37520	38780	17'	38780	37520
18	37548	38808	18'	38808	37548
19	37576	38836	19'	38836	37576
20	37604	38864	20'	38864	37604

Table-20-14 38 GHz ETSI/ITU/NZ (2) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
21	37632	38892	21'	38892	37632
22	37660	38920	22'	38920	37660
23	37688	38948	23'	38948	37688
24	37716	38976	24'	38976	37716
25	37744	39004	25'	39004	37744
26	37772	39032	26'	39032	37772
27	37800	39060	27'	39060	37800
28	37828	39088	28'	39088	37828
29	37856	39116	29'	39116	37856
30	37884	39144	30'	39144	37884
31	37912	39172	31'	39172	37912
32	37940	39200	32'	39200	37940
33	37968	39228	33'	39228	37968
34	37996	39256	34'	39256	37996
35	38024	39284	35'	39284	38024
36	38052	39312	36'	39312	38052
37	38080	39340	37'	39340	38080
38	38108	39368	38'	39368	38108
39	38136	39396	39'	39396	38136
40	38164	39424	40'	39424	38164

Table-20-15 38 GHz FCC/IC (3) 50 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	38625	39325	1'	39325	38625
2	38675	39375	2'	39375	38675
3	38725	39425	3'	39425	38725
4	38775	39475	4'	39475	38775
5	38825	39525	5'	39525	38825

Table-20-16 38 GHz FCC/IC (4) 50 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
6	38875	39575	6'	39575	38875
7	38925	39625	7'	39625	38925
8	38975	39675	8'	39675	38975
9	39025	39725	9'	39725	39025
10	39075	39775	10'	39775	39075

Table-20-17 38 GHz FCC/IC (5) 50 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
10	39075	39775	10'	39775	39075
11	39125	39825	11'	39825	39125
12	39175	39875	12'	39875	39175
13	39225	39925	13'	39925	39225
14	39275	39975	14'	39975	39275

Table-20-18 38 GHz ETSI/ITU (1) 56 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	37086	38346	1'	38346	37086
2	37142	38402	2'	38402	37142
3	37198	38458	3'	38458	37198
4	37254	38514	4'	38514	37254
5	37310	38570	5'	38570	37310
6	37366	38626	6'	38626	37366
7	37422	38682	7'	38682	37422
8	37478	38738	8'	38738	37478
9	37534	38794	9'	38794	37534
10	37590	38850	10'	38850	37590

Table-20-19 38 GHz ETSI/ITU (2) 56 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
11	37646	38906	11'	38906	37646
12	37702	38962	12'	38962	37702
13	37758	39018	13'	39018	37758
14	37814	39074	14'	39074	37814
15	37870	39130	15'	39130	37870
16	37926	39186	16'	39186	37926
17	37982	39242	17'	39242	37982
18	38038	39298	18'	39298	38038
19	38094	39354	19'	39354	38094
20	38150	39410	20'	39410	38150

21.0 56 GHz Frequency Tables

Table-21-1 56 GHz ETSI/ITU (1) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	55856	56472	1'	56472	55856
2	55884	56500	2'	56500	55884
3	55912	56528	3'	56528	55912
4	55940	56556	4'	56556	55940
5	55968	56584	5'	56584	55968
6	55996	56612	6'	56612	55996
7	56024	56640	7'	56640	56024
8	56052	56668	8'	56668	56052

Table-21-2 56 GHz ETSI/ITU (2) 28 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
9	56080	56696	9'	56696	56080
10	56108	56724	10'	56724	56108
11	56136	56752	11'	56752	56136
12	56164	56780	12'	56780	56164
13	56192	56808	13'	56808	56192
14	56220	56836	14'	56836	56220
15	56248	56864	15'	56864	56248
16	56276	56892	16'	56892	56276
17	56304	56920	17'	56920	56304
18	56332	56948	18'	56948	56332

Table-21-3 56 GHz ETSI/ITU (1) 56 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	55870	56486	1'	56486	55870
2	55926	56542	2'	56542	55926
3	55982	56598	3'	56598	55982
4	56038	56654	4'	56654	56038

Table-21-4 56 GHz ETSI/ITU (2) 56 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
5	56094	56710	5'	56710	56094
6	56150	56766	6'	56766	56150
7	56206	56822	7'	56822	56206
8	56262	56878	8'	56878	56262
9	56318	56934	9'	56934	56318

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22.0 58 GHz Frequency Tables

Table-22-1 58 GHz ETSI (1) 50 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	57125	58025	1'	58025	57125
2	57175	58075	2'	58075	57175
3	57225	58125	3'	58125	57225
4	57275	58175	4'	58175	57275
5	57325	58225	5'	58225	57325
6	57375	58275	6'	58275	57375
7	57425	58325	7'	58325	57425
8	57475	58375	8'	58375	57475
9	57525	58425	9'	58425	57525

Table-22-2 58 GHz ETSI (2) 50 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
10	57575	58475	10'	58475	57575
11	57625	58525	11'	58525	57625
12	57675	58575	12'	58575	57675
13	57725	58625	13'	58625	57725
14	57775	58675	14'	58675	57775
15	57825	58725	15'	58725	57825
16	57875	58775	16'	58775	57875
17	57925	58825	17'	58825	57925

Table-22-3 58 GHz FCC (1) 75 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
1	57137.5	58037.5	1'	58037.5	57137.5
2	57212.5	58112.5	2'	58112.5	57212.5
3	57287.5	58187.5	3'	58187.5	57287.5
4	57362.5	58262.5	4'	58262.5	57362.5
5	57437.5	58337.5	5'	58337.5	57437.5
6	57512.5	58412.5	6'	58412.5	57512.5

Table-22-4 58 GHz FCC (2) 75 MHz Channels

TxLow			TxHigh		
Channel index	Tx RF (MHz)	Rx RF (MHz)	Channel index	Tx RF (MHz)	Rx RF (MHz)
7	57587.5	58487.5	7'	58487.5	57587.5
8	57662.5	58562.5	8'	58562.5	57662.5
9	57737.5	58637.5	9'	58637.5	57737.5
10	57812.5	58712.5	10'	58712.5	57812.5
11	57887.5	58787.5	11'	58787.5	57887.5
12	57962.5	58862.5	12'	58862.5	57962.5

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