

23GHz (21.2 ~ 23.6GHz) Channels arrangement (1)

Number of channels : 40 pairs
 Spacing of adjacent channels : 28 MHz
 Co-channel Tx/Rx spacing : 1232 MHz

H (High Station)			L (Low Station)		
CH	Tx (MHz)	Rx (MHz)	CH'	Tx (MHz)	Rx (MHz)
Sub A					
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
Sub B					
11	21518	22750	11'	22750	21518
12	21546	22778	12'	22778	21546
13	21574	22806	13'	22806	21574
14	21602	22834	14'	22834	21602
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
Sub C					
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
Sub D						
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

23GHz (21.2 ~ 23.6GHz) Channels arrangement (2)

Number of channels : 80 pairs
 Spacing of adjacent channels : 14 MHz
 Co-channel Tx/Rx spacing : 1232 MHz

H (High Station)			L (Low Station)		
CH	Tx (MHz)	Rx (MHz)	CH'	Tx (MHz)	Rx (MHz)
Sub A					
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
Sub B						
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
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
Sub C						
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
Sub D						
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

23GHz (21.2 ~ 23.6GHz) Channels arrangement (3)

Number of channels : 160 pairs
 Spacing of adjacent channels : 7 MHz
 Co-channel Tx/Rx spacing : 1232 MHz

H (High Station)			L (Low Station)		
CH	Tx (MHz)	Rx (MHz)	CH'	Tx (MHz)	Rx (MHz)
Sub A					
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
Sub B						
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
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
Sub C						
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
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
Sub D						
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
147	22249.5	23481.5
148	22256.5	23488.5
149	22263.5	23495.5
150	22270.5	23502.5
151	22277.5	23509.5
152	22284.5	23516.5
153	22291.5	23523.5
154	22298.5	23530.5
155	22305.5	23537.5
156	22312.5	23544.5
157	22319.5	23551.5
158	22326.5	23558.5
159	22333.5	23565.5
160	22340.5	23572.5

146'	23474.5	22242.5
147'	23481.5	22249.5
148'	23488.5	22256.5
149'	23495.5	22263.5
150'	23502.5	22270.5
151'	23509.5	22277.5
152'	23516.5	22284.5
153'	23523.5	22291.5
154'	23530.5	22298.5
155'	23537.5	22305.5
156'	23544.5	22312.5
157'	23551.5	22319.5
158'	23558.5	22326.5
159'	23565.5	22333.5
160'	23572.5	22340.5

23G (21.2 ~ 23.6GHz) Duplexer Sub Band

Sub	Low (MHz)			High(MHz)			BW (MHz)
A	21224	~	21504	22456	~	22736	280
B	21504	~	21784	22736	~	23016	280
C	21784	~	22064	23016	~	23296	280
D	22064	~	22344	23296	~	23576	280