



### Band 2

SW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 17.7MHz 20060	Power Middle Ch. 17.7MHz 20110	Power High Ch. 17.7MHz 20160	Tune-up limit (dBm)	MFR (dB)
Channel								
20	QPSK	1	0	22.12	22.11	21.90		0
20	QPSK	1	48	22.17	22.05	22.05	22.5	0
20	QPSK	1	96	22.05	22.11	21.89		0
20	QPSK	50	0	21.90	21.90	20.97	21.5	1
20	QPSK	50	24	21.11	21.50	21.08		0
20	QPSK	50	48	21.07	21.10	20.78		0
20	QPSK	50	0	20.48	20.50	20.45		0
Frequency (MHz)								
10	QPSK	1	0	19.12	19.12	19.10		0
10	QPSK	1	37	22.10	22.10	21.90	22.5	0
10	QPSK	1	74	21.05	22.05	21.89		0
10	QPSK	36	0	21.04	21.05	20.81	21.5	1
10	QPSK	36	36	21.05	21.05	20.85		0
10	QPSK	75	0	20.47	20.47	20.44		0
Channel								
5	QPSK	1	0	22.05	22.05	21.84		0
5	QPSK	1	24	21.85	22.01	21.77	22.5	0
5	QPSK	12	0	20.82	21.01	20.69	21.5	1
5	QPSK	12	7	21.08	21.00	20.67		0
5	QPSK	25	0	20.35	20.43	20.44		0
Frequency (MHz)								
1.4	QPSK	1	0	22.00	22.00	21.77		0
1.4	QPSK	1	8	22.12	22.04	21.60	22.5	0
1.4	QPSK	1	16	21.90	21.90	20.75		0
1.4	QPSK	8	0	20.80	20.80	20.63	21.5	1
1.4	QPSK	8	8	21.00	21.00	20.75		0
1.4	QPSK	15	0	20.40	20.40	20.34		0
Channel								
1.4	QPSK	1	0	22.00	22.00	21.63		0
1.4	QPSK	1	7	22.08	22.10	21.83	22.5	0
1.4	QPSK	1	14	21.74	21.74	21.53		0
1.4	QPSK	7	0	21.52	21.44	21.33	21.5	1
1.4	QPSK	7	7	21.83	22.10	21.87		0
1.4	QPSK	15	0	20.30	20.40	20.31		0

### Band 4

SW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 17.7MHz 20060	Power Middle Ch. 17.7MHz 20110	Power High Ch. 17.7MHz 20160	Tune-up limit (dBm)	MFR (dB)
Channel								
20	QPSK	1	0	21.86	21.86	21.63		0
20	QPSK	1	48	22.05	22.05	21.75	22.5	0
20	QPSK	1	96	21.10	21.83	21.62		0
20	QPSK	50	0	20.90	20.90	20.65	21.5	1
20	QPSK	50	24	20.50	21.00	20.60		0
20	QPSK	50	48	20.54	20.60	20.41		0
20	QPSK	100	0	20.47	20.48	20.40		0
Frequency (MHz)								
10	QPSK	1	0	19.10	19.10	19.10		0
10	QPSK	1	37	21.83	22.13	22.20	22.5	0
10	QPSK	1	74	21.05	21.80	21.81		0
10	QPSK	36	0	20.89	20.80	20.70	21.5	1
10	QPSK	36	36	20.40	20.50	20.40		0
10	QPSK	75	0	20.47	20.47	20.40		0
Channel								
5	QPSK	1	0	21.80	21.80	21.60		0
5	QPSK	1	24	21.67	21.75	21.60	22.5	0
5	QPSK	12	0	20.75	20.83	20.70	21.5	1
5	QPSK	12	7	20.80	20.80	20.70		0
5	QPSK	25	0	20.35	20.34	20.43		0
Frequency (MHz)								
1.4	QPSK	1	0	21.80	21.75	21.60		0
1.4	QPSK	1	8	21.87	22.00	22.20	22.5	0
1.4	QPSK	1	16	22.04	22.00	20.71		0
1.4	QPSK	8	0	20.80	20.80	20.74	21.5	1
1.4	QPSK	8	8	21.00	21.00	20.75		0
1.4	QPSK	15	0	20.40	20.40	20.40		0
Channel								
1.4	QPSK	1	0	21.80	21.75	21.63		0
1.4	QPSK	1	7	22.00	22.00	22.11	22.5	0
1.4	QPSK	1	14	21.60	21.60	21.40		0
1.4	QPSK	7	0	21.43	21.40	21.20	21.5	1
1.4	QPSK	7	7	21.80	22.00	21.81		0
1.4	QPSK	15	0	20.34	20.44	20.30	21.5	1

### Band 5

SW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 17.7MHz 20060	Power Middle Ch. 17.7MHz 20110	Power High Ch. 17.7MHz 20160	Tune-up limit (dBm)	MFR (dB)
Channel								
10	QPSK	1	0	22.10	22.08	22.03		0
10	QPSK	1	48	22.05	22.05	22.00	22	0
10	QPSK	1	96	21.00	22.00	22.10		0
10	QPSK	20	0	21.00	21.00	21.00	22	1
10	QPSK	20	12	21.00	21.00	21.00		0
10	QPSK	20	24	21.10	21.00	21.00		0
10	QPSK	20	36	21.10	21.00	21.00		0
10	QPSK	20	48	21.00	21.00	21.00		0
Frequency (MHz)								
5	QPSK	1	0	22.00	22.00	21.80		0
5	QPSK	1	12	22.04	22.04	22.11	23	0
5	QPSK	1	24	21.80	22.00	21.80		0
5	QPSK	12	0	21.00	21.01	21.00	22	1
5	QPSK	12	10	21.10	21.00	21.11		0
5	QPSK	20	0	21.10	21.00	21.00		0
Channel								
1.4	QPSK	1	0	21.80	21.80	21.60		0
1.4	QPSK	1	8	21.80	22.00	22.10	23	0
1.4	QPSK	1	16	22.00	22.00	21.80		0
1.4	QPSK	8	0	21.00	21.00	21.00	22	1
1.4	QPSK	8	7	21.10	21.10	21.10		0
1.4	QPSK	15	0	21.10	21.00	21.00		0
Channel								
1.4	QPSK	1	0	21.80	21.80	21.60		0
1.4	QPSK	1	7	22.00	22.00	22.10	23	0
1.4	QPSK	1	14	21.80	22.00	21.80		0
1.4	QPSK	7	0	21.00	21.00	21.00	22	1
1.4	QPSK	7	7	21.10	21.10	21.10		0
1.4	QPSK	15	0	21.10	21.00	21.00		0



Band 12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low [dBm]	Power Mode	Power High [dBm]	Time-up limit (dBm)	APPR (dB)	
Channel									
10	QPSK	1	0	22.05	22.05	22.05			
10	QPSK	1	26	22.11	22.11	22.11	23	0	
10	QPSK	1	49	22.00	22.18	22.00			
10	QPSK	20	0	22.00	22.00	22.00			
10	QPSK	20	14	22.19	22.19	22.19	22	1	
10	QPSK	20	26	22.05	22.05	22.05			
10	QPSK	20	0	22.13	22.12	22.02			
Channel									
Frequency [MHz]									
5	QPSK	1	0	21.54	21.54	21.54			
5	QPSK	1	12	21.56	21.56	21.56	23	0	
5	QPSK	1	24	21.55	21.51	21.55			
5	QPSK	12	0	21.67	21.31	21.33			
5	QPSK	12	7	21.63	21.36	21.63	22	1	
5	QPSK	12	13	21.66	21.34	21.66			
Channel									
Frequency [MHz]									
3	QPSK	1	0	21.61	21.61	21.61			
3	QPSK	1	8	21.68	21.65	21.68	23	0	
3	QPSK	1	16	21.66	21.66	21.66			
3	QPSK	8	7	21.64	21.18	21.18			
3	QPSK	8	6	21.61	21.65	21.61	22	1	
3	QPSK	8	7	21.72	21.65	21.64			
3	QPSK	12	0	21.71	21.68	21.71			
Channel									
Frequency [MHz]									
1.4	QPSK	1	0	21.69	21.69	21.69			
1.4	QPSK	1	3	21.69	21.74	21.67			
1.4	QPSK	1	5	21.67	21.62	21.61	23	0	
1.4	QPSK	3	0	21.61	21.61	21.61			
1.4	QPSK	3	1	21.67	21.67	21.65			
1.4	QPSK	3	2	21.65	21.65	21.65			
1.4	QPSK	0	0	21.14	21.21	21.13	22	1	

Band 66									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low [dBm]	Power Mode	Power High [dBm]	Time-up limit (dBm)	APPR (dB)	
Channel									
20	QPSK	1	0	21.28	21.28	21.28			
20	QPSK	1	40	21.28	21.28	21.28	22.5	0	
20	QPSK	1	80	21.19	21.89	21.89			
20	QPSK	80	0	20.31	20.31	20.31			
20	QPSK	80	24	20.25	20.31	20.25	21.5	1	
20	QPSK	80	50	20.21	20.31	20.28			
20	QPSK	80	0	20.20	20.31	20.48			
Channel									
Frequency [MHz]									
15	QPSK	1	0	21.15	21.15	21.15			
15	QPSK	1	27	21.17	21.10	21.25	22.5	0	
15	QPSK	1	54	21.15	21.15	21.15			
15	QPSK	16	0	20.20	20.00	20.20			
15	QPSK	16	16	20.25	20.00	20.25	21.5	1	
15	QPSK	16	32	20.26	20.04	20.26			
15	QPSK	16	0	20.20	20.00	20.20			
Channel									
Frequency [MHz]									
10	QPSK	1	0	21.02	21.02	21.02			
10	QPSK	1	25	21.07	21.05	21.07	22.5	0	
10	QPSK	10	0	21.01	21.01	21.01			
10	QPSK	20	0	20.23	20.22	20.21			
10	QPSK	20	0	20.20	20.20	20.20			
10	QPSK	20	23	20.20	20.19	20.20	21.5	1	
10	QPSK	20	0	20.21	20.14	20.43			
Channel									
Frequency [MHz]									
5	QPSK	1	0	21.14	21.14	21.14			
5	QPSK	1	10	21.14	21.14	21.14	22.5	0	
5	QPSK	1	24	21.17	21.14	21.17			
5	QPSK	5	0	20.05	20.04	20.17			
5	QPSK	12	7	20.00	20.00	21.00	21.5	1	
5	QPSK	12	13	20.10	20.04	20.10			
5	QPSK	20	0	20.10	20.10	20.10			
Channel									
Frequency [MHz]									
1.4	QPSK	1	0	21.14	21.14	21.14			
1.4	QPSK	1	3	21.14	21.14	21.14	22.5	0	
1.4	QPSK	1	5	21.17	21.12	21.17			
1.4	QPSK	3	0	20.05	20.05	21.00			
1.4	QPSK	3	1	21.17	21.12	21.14	21.5	1	
1.4	QPSK	3	2	21.15	21.10	21.16			
1.4	QPSK	1	1	21.05	21.05	21.10	21.5	0	
1.4	QPSK	1	1	21.05	21.05	21.10			
1.4	QPSK	0	0	20.10	20.10	20.44	21.5	1	



**<WLAN 2.4GHz FCC>**

2.4GHz WLAN					
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	15.40	16.00
		6	2437	15.60	16.00
		11	2462	15.70	16.00
	802.11g 6Mbps	1	2412	12.00	13.00
		6	2437	12.20	13.00
		11	2462	12.20	13.00
802.11n-HT20 MCS0	1	2412	12.00	13.00	
	6	2437	12.20	13.00	
	11	2462	12.20	13.00	

**<Bluetooth FCC>**

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	9.10	6.80	6.80
	CH 39	2481	9.10	6.80	6.80
	CH 75	2459	7.00	4.70	4.70
	Tune-up Limit		10	8	8

**BT LE**

Mode	Channel	Frequency (MHz)	Average power (dBm)
			GFSK
LE	CH 00	2402	0.10
	CH 19	2440	-0.20
	CH 39	2480	-1.80
	Tune-up Limit		1