

Appendix A: Test Data

Duty cycle						
Band	Frequency (MHz)	On time (ms)	On+off time (ms)	Duty cycle	Duty Factor (dB)	1/T Minimum VBW (kHz)
802.11b	2412	8.320	8.440	0.986	0.062	0.010
802.11g	2412	1.380	1.560	0.885	0.532	0.725
802.11n HT20	2412	1.290	1.470	0.878	0.567	0.775

2.4 GHz Band							
Mod.	Freq. (MHz)	Data Rate	RF power setting in Test SW				Test SW Version
			Ant-0	Ant-1	Ant-2	Ant-3	
802.11b	2412	1M	18.00	-	-	-	QRCT 3.0.244.0
802.11b	2437	1M	19.00	-	-	-	
802.11b	2462	1M	18.50	-	-	-	
802.11g	2412	6M	13.00	-	-	-	
802.11g	2437	6M	18.50	-	-	-	
802.11g	2462	6M	13.00	-	-	-	
802.11n HT20	2412	6.5M	13.00	-	-	-	
802.11n HT20	2437	6.5M	18.50	-	-	-	
802.11n HT20	2462	6.5M	12.00	-	-	-	

2.4 GHz Band																	
Mod.	Freq. (MHz)	Data Rate	Avg Conducted Power (dBm)					Peak Conducted Power (dBm)					Conducted Power Limit (dBm)				
			Ant-0	Ant-1	Ant-2	Ant-3	SUM	Ant-0	Ant-1	Ant-2	Ant-3	SUM	Ant-0	Ant-1	Ant-2	Ant-3	SUM
802.11b	2412	1M	17.12	-	-	-	-	19.33	-	-	-	-	30.00	-	-	-	-
802.11b	2437	1M	17.02	-	-	-	-	19.25	-	-	-	-	30.00	-	-	-	-
802.11b	2462	1M	17.26	-	-	-	-	19.69	-	-	-	-	30.00	-	-	-	-
802.11g	2412	6M	10.94	-	-	-	-	17.51	-	-	-	-	30.00	-	-	-	-
802.11g	2437	6M	15.16	-	-	-	-	20.08	-	-	-	-	30.00	-	-	-	-
802.11g	2462	6M	10.88	-	-	-	-	17.48	-	-	-	-	30.00	-	-	-	-
802.11n HT20	2412	6.5M	10.82	-	-	-	-	17.45	-	-	-	-	30.00	-	-	-	-
802.11n HT20	2437	6.5M	15.20	-	-	-	-	20.07	-	-	-	-	30.00	-	-	-	-
802.11n HT20	2462	6.5M	9.89	-	-	-	-	16.72	-	-	-	-	30.00	-	-	-	-

6 dB Bandwidth						
Mod.	Freq. (MHz)	6 dB Bandwidth (kHz)				6dB Bandwidth Min.Limit (kHz)
		Ant-0	Ant-1	Ant-2	Ant-3	
802.11b	2412	8064	-	-	-	≥ 500
802.11b	2437	7594	-	-	-	≥ 500
802.11b	2462	7596	-	-	-	≥ 500
802.11g	2412	16410	-	-	-	≥ 500
802.11g	2437	16420	-	-	-	≥ 500
802.11g	2462	16450	-	-	-	≥ 500
802.11n HT20	2412	17640	-	-	-	≥ 500
802.11n HT20	2437	17580	-	-	-	≥ 500
802.11n HT20	2462	17620	-	-	-	≥ 500

Maximum Power Spectral Density Measurement

Mod.	Freq. (MHz)	Measurement (dBm/3 kHz)					Max.Limit (dBm/ 3 kHz)				
		Ant-0	Ant-1	Ant-2	Ant-3	SUM	Ant-0	Ant-1	Ant-2	Ant-3	SUM
802.11b	2412	-4.54	-	-	-	-	8.00	-	-	-	-
802.11b	2437	-6.01	-	-	-	-	8.00	-	-	-	-
802.11b	2462	-3.83	-	-	-	-	8.00	-	-	-	-
802.11g	2412	-13.93	-	-	-	-	8.00	-	-	-	-
802.11g	2437	-9.14	-	-	-	-	8.00	-	-	-	-
802.11g	2462	-14.39	-	-	-	-	8.00	-	-	-	-
802.11n HT20	2412	-14.51	-	-	-	-	8.00	-	-	-	-
802.11n HT20	2437	-8.77	-	-	-	-	8.00	-	-	-	-
802.11n HT20	2462	-15.85	-	-	-	-	8.00	-	-	-	-