

Appendix A:Test Data

Duty cycle						
Mode	Frequency (MHz)	On time (ms)	On+off time (ms)	Duty cycle (%)	Duty Factor (dB)	1/T Minimum VBW (kHz)
802.11b	2412	12.270	12.390	99.031	0.042	0.010
802.11g	2412	2.057	2.072	99.276	0.032	0.010
802.11n HT20	2412	1.906	1.921	99.219	0.034	0.010

2.4 GHz Band							
Mode	Channel	Freq. (MHz)	RF power setting in Test SW				Test SW Version
			Ant-0	Ant-1	Ant-2	Ant-3	
802.11b	1	2412	17.00	-	-	-	QRCT4 V4.0.209.0
802.11b	6	2437	17.00	-	-	-	
802.11b	11	2462	18.00	-	-	-	
802.11g	1	2412	16.00	-	-	-	
802.11g	6	2437	18.00	-	-	-	
802.11g	11	2462	16.00	-	-	-	
802.11n HT20	1	2412	16.00	-	-	-	
802.11n HT20	6	2437	18.00	-	-	-	
802.11n HT20	11	2462	15.50	-	-	-	

2.4 GHz Band																		
Mode	CH	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	1	2412	1M	16.08	-	-	-	-	-	-	-	-	-	30.00	-	-	-	-
802.11b	6	2437	1M	15.81	-	-	-	-	-	-	-	-	-	30.00	-	-	-	-
802.11b	11	2462	1M	17.29	-	-	-	-	-	-	-	-	-	30.00	-	-	-	-
802.11g	1	2412	6M	14.83	-	-	-	-	-	-	-	-	-	30.00	-	-	-	-
802.11g	6	2437	6M	16.82	-	-	-	-	-	-	-	-	-	30.00	-	-	-	-
802.11g	11	2462	6M	15.06	-	-	-	-	-	-	-	-	-	30.00	-	-	-	-
802.11n HT20	1	2412	6.5M	14.76	-	-	-	-	-	-	-	-	-	30.00	-	-	-	-
802.11n HT20	6	2437	6.5M	16.69	-	-	-	-	-	-	-	-	-	30.00	-	-	-	-
802.11n HT20	11	2462	6.5M	14.52	-	-	-	-	-	-	-	-	-	30.00	-	-	-	-

6 dB Bandwidth						
Mode	Freq. (MHz)	6 dB Bandwidth (kHz)				6 dB Bandwidth Min.Limit (kHz)
		Ant-0	Ant-1	Ant-2	Ant-3	
802.11b	2412	8590	-	-	-	≥ 500
802.11b	2437	9057	-	-	-	≥ 500
802.11b	2462	8592	-	-	-	≥ 500
802.11g	2412	15400	-	-	-	≥ 500
802.11g	2437	15780	-	-	-	≥ 500
802.11g	2462	15180	-	-	-	≥ 500
802.11n HT20	2412	15170	-	-	-	≥ 500
802.11n HT20	2437	15370	-	-	-	≥ 500
802.11n HT20	2462	15470	-	-	-	≥ 500

99 % Occupied BW					
Mode	Freq. (MHz)	99 % Occupied BW (MHz)			
		Ant-0	Ant-1	Ant-2	Ant-3
802.11b	2412	13.658	-	-	-
802.11b	2437	13.913	-	-	-
802.11b	2462	13.846	-	-	-
802.11g	2412	16.840	-	-	-
802.11g	2437	17.118	-	-	-
802.11g	2462	16.879	-	-	-
802.11n HT20	2412	17.935	-	-	-
802.11n HT20	2437	18.177	-	-	-
802.11n HT20	2462	17.989	-	-	-

Maximum Power Spectral Density Measurement											
Mode	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	-5.91	-	-	-	-	8.00	-	-	-	-
802.11b	2437	-6.09	-	-	-	-	8.00	-	-	-	-
802.11b	2462	-4.49	-	-	-	-	8.00	-	-	-	-
802.11g	2412	-9.49	-	-	-	-	8.00	-	-	-	-
802.11g	2437	-7.33	-	-	-	-	8.00	-	-	-	-
802.11g	2462	-8.87	-	-	-	-	8.00	-	-	-	-
802.11n HT20	2412	-9.66	-	-	-	-	8.00	-	-	-	-
802.11n HT20	2437	-8.05	-	-	-	-	8.00	-	-	-	-
802.11n HT20	2462	-8.79	-	-	-	-	8.00	-	-	-	-