

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	8.396	8.424	99.668	0.014	0.010
802.11g	2412	1.405	1.440	97.569	0.107	0.010
802.11n HT20	2412	1.315	1.345	97.770	0.098	0.010

2.4 GHz Band				
Mod.	Freq. (MHz)	Data Rate	RF power setting in Test SW	Test SW Version
			Ant-0	
802.11b	2412	1M	19.00	Engineer Mode
802.11b	2437	1M	19.00	
802.11b	2462	1M	20.50	
802.11g	2412	6M	17.00	
802.11g	2437	6M	17.50	
802.11g	2462	6M	17.00	
802.11n HT20	2412	6.5M	17.00	
802.11n HT20	2437	6.5M	17.50	
802.11n HT20	2462	6.5M	16.50	

2.4 GHz Band				
Mod.	Freq. (MHz)	Data Rate	Avg Conducted Power (dBm)	Conducted Power Limit (dBm)
			Ant-0	Ant-0
802.11b	2412	1M	15.16	30.00
802.11b	2437	1M	15.48	30.00
802.11b	2462	1M	17.08	30.00
802.11g	2412	6M	13.99	30.00
802.11g	2437	6M	13.69	30.00
802.11g	2462	6M	13.42	30.00
802.11n HT20	2412	6.5M	13.80	30.00
802.11n HT20	2437	6.5M	13.71	30.00
802.11n HT20	2462	6.5M	13.27	30.00

6 dB Bandwidth			
Mod.	Freq. (MHz)	6 dB Bandwidth (kHz)	6 dB Bandwidth Min.Limit (kHz)
		Ant-0	
802.11b	2412	8088	≥ 500
802.11b	2437	8107	≥ 500
802.11b	2462	8591	≥ 500
802.11g	2412	15460	≥ 500
802.11g	2437	15350	≥ 500
802.11g	2462	15170	≥ 500
802.11n HT20	2412	15940	≥ 500
802.11n HT20	2437	15160	≥ 500
802.11n HT20	2462	15170	≥ 500

99 % Occupied BW		
Mod.	Freq. (MHz)	99 % Occupied BW (MHz)
		Ant-0
802.11b	2412	12.763
802.11b	2437	12.984
802.11b	2462	13.262
802.11g	2412	16.859
802.11g	2437	16.879
802.11g	2462	16.782
802.11n HT20	2412	17.855
802.11n HT20	2437	17.908
802.11n HT20	2462	17.792

Maximum Power Spectral Density Measurement			
Mod.	Freq. (MHz)	Measurement (dBm/3 kHz)	Max.Limit (dBm/ 3 kHz)
		Ant-0	Ant-0
802.11b	2412	-6.12	8.00
802.11b	2437	-6.08	8.00
802.11b	2462	-4.26	8.00
802.11g	2412	-10.85	8.00
802.11g	2437	-10.21	8.00
802.11g	2462	-9.85	8.00
802.11n HT20	2412	-10.23	8.00
802.11n HT20	2437	-11.20	8.00
802.11n HT20	2462	-10.87	8.00