

## 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	8.670	8.730	99.313	0.030	0.010
802.11g	2412	1.440	1.535	93.811	0.277	0.694
802.11n HT20	2412	1.350	1.440	93.750	0.280	0.741

2.4 GHz Band Config			
Mod.	Channel	Freq. (MHz)	Data Rate
802.11b	1	2412	1M
802.11b	6	2437	1M
802.11b	11	2462	1M
802.11g	1	2412	6M
802.11g	2	2417	6M
802.11g	3	2422	6M
802.11g	6	2437	6M
802.11g	10	2457	6M
802.11g	11	2462	6M
802.11n HT20	1	2412	6.5M
802.11n HT20	2	2417	6.5M
802.11n HT20	3	2422	6.5M
802.11n HT20	6	2437	6.5M
802.11n HT20	10	2457	6.5M
802.11n HT20	11	2462	6.5M

2.4 GHz Band					
Mod.	CH	Freq. (MHz)	Avg Conducted Power (dBm)	Peak Conducted Power (dBm)	Conducted Power Limit (dBm)
			Ant-0	Ant-0	Ant-0
802.11b	1	2412	18.72	23.89	30.00
802.11b	6	2437	20.40	24.61	30.00
802.11b	11	2462	19.43	24.11	30.00
802.11g	1	2412	14.76	23.49	30.00
802.11g	2	2417	16.19	24.22	30.00
802.11g	3	2422	17.30	24.68	30.00
802.11g	6	2437	18.85	25.37	30.00
802.11g	10	2457	17.43	24.98	30.00
802.11g	11	2462	16.34	24.32	30.00
802.11n HT20	1	2412	14.64	23.54	30.00
802.11n HT20	2	2417	16.03	24.27	30.00
802.11n HT20	3	2422	16.65	24.41	30.00
802.11n HT20	6	2437	18.63	25.40	30.00
802.11n HT20	10	2457	17.25	25.24	30.00
802.11n HT20	11	2462	15.18	24.05	30.00

6 dB Bandwidth			
Mod.	Freq. (MHz)	6 dB Bandwidth (kHz)	6 dB Bandwidth Min.Limit (kHz)
		Ant-0	
802.11b	2412	9070	≥ 500
802.11b	2437	9107	≥ 500
802.11b	2462	9076	≥ 500
802.11g	2412	15500	≥ 500
802.11g	2417	15500	≥ 500
802.11g	2422	15510	≥ 500
802.11g	2437	15490	≥ 500
802.11g	2457	15500	≥ 500
802.11g	2462	15500	≥ 500
802.11n HT20	2412	15690	≥ 500
802.11n HT20	2417	16100	≥ 500
802.11n HT20	2422	15350	≥ 500
802.11n HT20	2437	15490	≥ 500
802.11n HT20	2457	15460	≥ 500
802.11n HT20	2462	15650	≥ 500

Maximum Power Spectral Density Measurement			
Mod.	Freq. (MHz)	Measurement (dBm/3 kHz)	Max.Limit (dBm/ 3 kHz)
		Ant-0	Ant-0
802.11b	2412	-4.46	8.00
802.11b	2437	-2.85	8.00
802.11b	2462	-3.31	8.00
802.11g	2412	-10.49	8.00
802.11g	2417	-9.22	8.00
802.11g	2422	-7.68	8.00
802.11g	2437	-6.66	8.00
802.11g	2457	-8.06	8.00
802.11g	2462	-8.98	8.00
802.11n HT20	2412	-11.11	8.00
802.11n HT20	2417	-9.43	8.00
802.11n HT20	2422	-8.85	8.00
802.11n HT20	2437	-7.39	8.00
802.11n HT20	2457	-8.49	8.00
802.11n HT20	2462	-9.47	8.00

99 % Occupied BW		
Mod.	Freq. (MHz)	99 % Occupied BW (MHz)
		Ant-0
802.11b	2412	14.206
802.11b	2437	15.310
802.11b	2462	14.299
802.11g	2412	17.501
802.11g	2417	17.501
802.11g	2422	17.217
802.11g	2437	17.091
802.11g	2457	17.082
802.11g	2462	17.212
802.11n HT20	2412	18.367
802.11n HT20	2417	18.140
802.11n HT20	2422	18.090
802.11n HT20	2437	18.035
802.11n HT20	2457	18.058
802.11n HT20	2462	18.248