

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	30.000	30.000	100.000	0.000	0.010
802.11g	2412	30.000	30.000	100.000	0.000	0.010
802.11n HT20	2412	30.000	30.000	100.000	0.000	0.010
802.11n HT40	2422	30.000	30.000	100.000	0.000	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	28.00	-	-	-	Putty
802.11b	6	2437	28.00	-	-	-	
802.11b	11	2462	28.00	-	-	-	
802.11g	1	2412	26.00	-	-	-	
802.11g	6	2437	26.00	-	-	-	
802.11g	11	2462	26.00	-	-	-	
802.11n HT20	1	2412	26.00	-	-	-	
802.11n HT20	6	2437	26.00	-	-	-	
802.11n HT20	11	2462	26.00	-	-	-	
802.11n HT40	3	2422	19.00	-	-	-	
802.11n HT40	6	2437	22.00	-	-	-	
802.11n HT40	9	2452	21.00	-	-	-	

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-0	Ant-0
802.11b	1	2412	1M	16.62	18.32	30.00
802.11b	6	2437	1M	16.56	18.25	30.00
802.11b	11	2462	1M	16.55	18.22	30.00
802.11g	1	2412	6M	14.76	22.91	30.00
802.11g	6	2437	6M	14.66	22.85	30.00
802.11g	11	2462	6M	14.59	22.75	30.00
802.11n HT20	1	2412	6.5M	14.69	22.95	30.00
802.11n HT20	6	2437	6.5M	14.65	22.85	30.00
802.11n HT20	11	2462	6.5M	14.57	22.78	30.00
802.11n HT40	3	2422	13.5M	12.41	20.98	30.00
802.11n HT40	6	2437	13.5M	14.57	22.76	30.00
802.11n HT40	9	2452	13.5M	12.89	21.78	30.00

6 dB Bandwidth			
Mode	Freq. (MHz)	6 dB Bandwidth (kHz)	6 dB Bandwidth Min.Limit (kHz)
		Ant-0	
802.11b	2412	10050	≥ 500
802.11b	2437	10050	≥ 500
802.11b	2462	10050	≥ 500
802.11g	2412	16350	≥ 500
802.11g	2437	16350	≥ 500
802.11g	2462	16340	≥ 500
802.11n HT20	2412	17570	≥ 500
802.11n HT20	2437	17570	≥ 500
802.11n HT20	2462	17570	≥ 500
802.11n HT40	2422	35920	≥ 500
802.11n HT40	2437	35740	≥ 500
802.11n HT40	2452	35840	≥ 500

99 % Occupied BW		
Mode	Freq. (MHz)	99 % Occupied BW (MHz)
		Ant-0
802.11b	2412	14.281
802.11b	2437	14.294
802.11b	2462	14.256
802.11g	2412	16.693
802.11g	2437	16.699
802.11g	2462	16.684
802.11n HT20	2412	17.666
802.11n HT20	2437	17.697
802.11n HT20	2462	17.672
802.11n HT40	2422	36.422
802.11n HT40	2437	36.549
802.11n HT40	2452	36.501

Maximum Power Spectral Density Measurement			
Mode	Freq. (MHz)	Measurement (dBm/3 kHz)	Max.Limit (dBm/ 3 kHz)
		Ant-0	Ant-0
802.11b	2412	-6.80	8.00
802.11b	2437	-7.07	8.00
802.11b	2462	-7.01	8.00
802.11g	2412	-9.67	8.00
802.11g	2437	-10.19	8.00
802.11g	2462	-10.33	8.00
802.11n HT20	2412	-10.11	8.00
802.11n HT20	2437	-9.84	8.00
802.11n HT20	2462	-10.76	8.00
802.11n HT40	2422	-14.96	8.00
802.11n HT40	2437	-13.05	8.00
802.11n HT40	2452	-13.56	8.00