

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	10.000	10.000	100.000	0.000	0.010
802.11g	2412	10.000	10.000	100.000	0.000	0.010
802.11n VHT20	2412	10.000	10.000	100.000	0.000	0.010
802.11n VHT40	2422	10.000	10.000	100.000	0.000	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	16.50	QRCT4
802.11b	2437	1M	17.50	
802.11b	2462	1M	18.00	
802.11g	2412	6M	16.50	
802.11g	2437	6M	16.50	
802.11g	2462	6M	14.00	
802.11n HT20	2412	6.5M	16.50	
802.11n HT20	2437	6.5M	16.50	
802.11n HT20	2462	6.5M	14.50	
802.11n HT40	2422	13.5M	16.00	
802.11n HT40	2437	13.5M	16.00	
802.11n HT40	2452	13.5M	16.00	
802.11n VHT20	2412	6.5M	16.50	
802.11n VHT20	2437	6.5M	16.50	
802.11n VHT20	2462	6.5M	14.50	
802.11n VHT40	2422	13.5M	16.00	
802.11n VHT40	2437	13.5M	16.00	
802.11n VHT40	2452	13.5M	16.00	

2.4 GHz Band						
Mod.	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	16.58	19.26	30.00
802.11b	6	2437	1M	17.54	20.12	30.00
802.11b	11	2462	1M	17.71	20.19	30.00
802.11g	1	2412	6M	16.31	21.49	30.00
802.11g	6	2437	6M	16.23	21.43	30.00
802.11g	11	2462	6M	13.19	18.33	30.00
802.11n HT20	1	2412	6.5M	16.21	21.48	30.00
802.11n HT20	6	2437	6.5M	16.10	21.43	30.00
802.11n HT20	11	2462	6.5M	13.53	18.81	30.00
802.11n HT40	3	2422	13.5M	15.81	22.92	30.00
802.11n HT40	6	2437	13.5M	15.82	22.58	30.00
802.11n HT40	9	2452	13.5M	15.79	23.12	30.00
802.11n VHT20	1	2412	6.5M	16.28	21.57	30.00
802.11n VHT20	6	2437	6.5M	16.14	21.45	30.00
802.11n VHT20	11	2462	6.5M	13.57	18.90	30.00
802.11n VHT40	3	2422	13.5M	15.98	23.03	30.00
802.11n VHT40	6	2437	13.5M	15.86	22.79	30.00
802.11n VHT40	9	2452	13.5M	15.80	23.24	30.00

6 dB Bandwidth			
Mod.	Freq. (MHz)	6 dB Bandwidth (kHz)	6 dB Bandwidth Min.Limit (kHz)
		Ant-0	
802.11b	2412	8595	≥ 500
802.11b	2437	8587	≥ 500
802.11b	2462	8564	≥ 500
802.11g	2412	16290	≥ 500
802.11g	2437	15730	≥ 500
802.11g	2462	15740	≥ 500
802.11n VHT20	2412	17160	≥ 500
802.11n VHT20	2437	15720	≥ 500
802.11n VHT20	2462	16110	≥ 500
802.11n VHT40	2422	35760	≥ 500
802.11n VHT40	2437	35210	≥ 500
802.11n VHT40	2452	36390	≥ 500

99 % Occupied BW		
Mod.	Freq. (MHz)	99 % Occupied BW (MHz)
		Ant-0
802.11b	2412	13.902
802.11b	2437	13.659
802.11b	2462	13.717
802.11g	2412	17.008
802.11g	2437	16.791
802.11g	2462	16.868
802.11n VHT20	2412	18.109
802.11n VHT20	2437	17.883
802.11n VHT20	2462	17.963
802.11n VHT40	2422	36.573
802.11n VHT40	2437	36.447
802.11n VHT40	2452	36.867

Maximum Power Spectral Density Measurement			
Mod.	Freq. (MHz)	Measurement (dBm/3 kHz)	Max.Limit (dBm/ 3 kHz)
		Ant-0	Ant-0
802.11b	2412	-5.55	8.00
802.11b	2437	-4.70	8.00
802.11b	2462	-6.02	8.00
802.11g	2412	-8.90	8.00
802.11g	2437	-9.27	8.00
802.11g	2462	-11.16	8.00
802.11n VHT20	2412	-9.10	8.00
802.11n VHT20	2437	-9.71	8.00
802.11n VHT20	2462	-11.72	8.00
802.11n VHT40	2422	-10.13	8.00
802.11n VHT40	2437	-10.35	8.00
802.11n VHT40	2452	-12.22	8.00