

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	10.000	10.000	100.000	0.000	0.010
802.11g	2412	2.075	2.190	94.749	0.234	0.482
802.11n HT20	2412	1.930	2.065	93.462	0.294	0.518
802.11n HT40	2422	0.951	1.113	85.445	0.683	1.052

2.4 GHz Band							
Mode	CH	Freq. (MHz)	RF power setting in Test SW				Test SW Version
			Ant-0	Ant-1	Ant-2	Ant-3	
802.11b	1	2412	38.00	-	-	-	CMD
802.11b	6	2437	38.00	-	-	-	
802.11b	11	2462	39.00	-	-	-	
802.11g	1	2412	41.00	-	-	-	
802.11g	6	2437	41.00	-	-	-	
802.11g	11	2462	41.00	-	-	-	
802.11n HT20	1	2412	38.00	-	-	-	
802.11n HT20	6	2437	39.00	-	-	-	
802.11n HT20	11	2462	39.00	-	-	-	
802.11n HT40	3	2422	39.00	-	-	-	
802.11n HT40	6	2437	39.00	-	-	-	
802.11n HT40	9	2452	39.00	-	-	-	

2.4 GHz Band Config			
Mode	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	6	2437	6M
802.11g	11	2462	6M
802.11n HT20	1	2412	6.5M
802.11n HT20	6	2437	6.5M
802.11n HT20	11	2462	6.5M
802.11n HT40	3	2422	13.5M
802.11n HT40	6	2437	13.5M
802.11n HT40	9	2452	13.5M

2.4 GHz Band																		
Mode	CH	Freq. (MHz)	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	16.84	-	-	-	-	-	-	-	-	-	-	30.00	-	-	-	-
802.11b	6	2437	16.75	-	-	-	-	-	-	-	-	-	-	30.00	-	-	-	-
802.11b	11	2462	16.95	-	-	-	-	-	-	-	-	-	-	30.00	-	-	-	-
802.11g	1	2412	13.80	-	-	-	-	-	-	-	-	-	-	30.00	-	-	-	-
802.11g	6	2437	13.78	-	-	-	-	-	-	-	-	-	-	30.00	-	-	-	-
802.11g	11	2462	13.72	-	-	-	-	-	-	-	-	-	-	30.00	-	-	-	-
802.11n HT20	1	2412	12.81	-	-	-	-	-	-	-	-	-	-	30.00	-	-	-	-
802.11n HT20	6	2437	12.92	-	-	-	-	-	-	-	-	-	-	30.00	-	-	-	-
802.11n HT20	11	2462	12.84	-	-	-	-	-	-	-	-	-	-	30.00	-	-	-	-
802.11n HT40	3	2422	12.98	-	-	-	-	-	-	-	-	-	-	30.00	-	-	-	-
802.11n HT40	6	2437	12.92	-	-	-	-	-	-	-	-	-	-	30.00	-	-	-	-
802.11n HT40	9	2452	12.76	-	-	-	-	-	-	-	-	-	-	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	10070	-	-	-	≥ 500
802.11b	2437	10020	-	-	-	≥ 500
802.11b	2462	10070	-	-	-	≥ 500
802.11g	2412	16350	-	-	-	≥ 500
802.11g	2437	16350	-	-	-	≥ 500
802.11g	2462	16350	-	-	-	≥ 500
802.11n HT20	2412	17160	-	-	-	≥ 500
802.11n HT20	2437	17330	-	-	-	≥ 500
802.11n HT20	2462	17120	-	-	-	≥ 500
802.11n HT40	2422	35440	-	-	-	≥ 500
802.11n HT40	2437	35430	-	-	-	≥ 500
802.11n HT40	2452	35300	-	-	-	≥ 500

99 % Occupied BW					
Mode	Freq. (MHz)	99 % Occupied BW (MHz)			
		Ant-0	Ant-1	Ant-2	Ant-3
802.11b	2412	14.786	-	-	-
802.11b	2437	14.777	-	-	-
802.11b	2462	14.800	-	-	-
802.11g	2412	16.843	-	-	-
802.11g	2437	16.859	-	-	-
802.11g	2462	16.805	-	-	-
802.11n HT20	2412	17.896	-	-	-
802.11n HT20	2437	17.887	-	-	-
802.11n HT20	2462	17.955	-	-	-
802.11n HT40	2422	35.912	-	-	-
802.11n HT40	2437	35.986	-	-	-
802.11n HT40	2452	35.985	-	-	-

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	-5.57	-	-	-		8.00	-	-	-	8.00
802.11b	2437	-6.43	-	-	-		8.00	-	-	-	8.00
802.11b	2462	-4.59	-	-	-		8.00	-	-	-	8.00
802.11g	2412	-10.69	-	-	-		8.00	-	-	-	8.00
802.11g	2437	-10.64	-	-	-		8.00	-	-	-	8.00
802.11g	2462	-11.15	-	-	-		8.00	-	-	-	8.00
802.11n HT20	2412	-12.61	-	-	-		8.00	-	-	-	8.00
802.11n HT20	2437	-12.04	-	-	-		8.00	-	-	-	8.00
802.11n HT20	2462	-12.21	-	-	-		8.00	-	-	-	8.00
802.11n HT40	2422	-13.80	-	-	-		8.00	-	-	-	8.00
802.11n HT40	2437	-15.31	-	-	-		8.00	-	-	-	8.00
802.11n HT40	2452	-14.45	-	-	-		8.00	-	-	-	8.00