

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	1.405	1.445	97.232	0.122	0.712
802.11n HT20	2412	0.681	0.726	93.802	0.278	1.468
802.11n HT40	2422	0.356	0.402	88.557	0.528	2.809

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	17.00	17.00	-	-	ADB
802.11b	6	2437	17.00	17.00	-	-	
802.11b	11	2462	17.00	17.00	-	-	
802.11g	1	2412	13.00	13.00	-	-	
802.11g	6	2437	13.00	13.00	-	-	
802.11g	11	2462	13.00	13.00	-	-	
802.11n HT20	1	2412	13.00	13.00	-	-	
802.11n HT20	6	2437	14.00	14.00	-	-	
802.11n HT20	11	2462	13.00	13.00	-	-	
802.11n HT40	3	2422	12.00	12.00	-	-	
802.11n HT40	6	2437	14.00	14.00	-	-	
802.11n HT40	9	2452	13.00	13.00	-	-	

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	13M
802.11n HT20	6	2437	13M
802.11n HT20	11	2462	13M
802.11n HT40	3	2422	27M
802.11n HT40	6	2437	27M
802.11n HT40	9	2452	27M

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	17.58	17.02	-	-	20.32	-	-	-	-	-	30.00	30.00	-	-	30.00
802.11b	6	2437	18.01	17.18	-	-	20.63	-	-	-	-	-	30.00	30.00	-	-	30.00
802.11b	11	2462	17.72	17.31	-	-	20.53	-	-	-	-	-	30.00	30.00	-	-	30.00
802.11g	1	2412	14.97	14.47	-	-	17.74	-	-	-	-	-	30.00	30.00	-	-	30.00
802.11g	6	2437	14.89	14.21	-	-	17.57	-	-	-	-	-	30.00	30.00	-	-	30.00
802.11g	11	2462	14.85	14.69	-	-	17.78	-	-	-	-	-	30.00	30.00	-	-	30.00
802.11n HT20	1	2412	14.40	14.13	-	-	17.28	-	-	-	-	-	30.00	30.00	-	-	30.00
802.11n HT20	6	2437	15.31	14.69	-	-	18.02	-	-	-	-	-	30.00	30.00	-	-	30.00
802.11n HT20	11	2462	14.31	14.28	-	-	17.31	-	-	-	-	-	30.00	30.00	-	-	30.00
802.11n HT40	3	2422	14.11	13.95	-	-	17.04	-	-	-	-	-	30.00	30.00	-	-	30.00
802.11n HT40	6	2437	15.52	14.90	-	-	18.23	-	-	-	-	-	30.00	30.00	-	-	30.00
802.11n HT40	9	2452	14.53	14.25	-	-	17.40	-	-	-	-	-	30.00	30.00	-	-	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	9113	9131	-	-	≥ 500
802.11b	2437	9104	8599	-	-	≥ 500
802.11b	2462	9109	8603	-	-	≥ 500
802.11g	2412	15160	15160	-	-	≥ 500
802.11g	2437	15160	15160	-	-	≥ 500
802.11g	2462	15160	15160	-	-	≥ 500
802.11n HT20	2412	15160	15160	-	-	≥ 500
802.11n HT20	2437	15160	15160	-	-	≥ 500
802.11n HT20	2462	15160	15150	-	-	≥ 500
802.11n HT40	2422	35190	35160	-	-	≥ 500
802.11n HT40	2437	35140	35130	-	-	≥ 500
802.11n HT40	2452	35190	35170	-	-	≥ 500

99 % Occupied BW					
Mode	Freq. (MHz)	99 % Occupied BW (MHz)			
		Ant-0	Ant-1	Ant-2	Ant-3
802.11b	2412	13.556	14.049	-	-
802.11b	2437	13.605	13.968	-	-
802.11b	2462	13.593	13.859	-	-
802.11g	2412	16.750	16.538	-	-
802.11g	2437	16.783	16.559	-	-
802.11g	2462	16.731	16.539	-	-
802.11n HT20	2412	17.631	17.622	-	-
802.11n HT20	2437	17.650	17.645	-	-
802.11n HT20	2462	17.639	17.620	-	-
802.11n HT40	2422	36.354	36.353	-	-
802.11n HT40	2437	36.282	36.268	-	-
802.11n HT40	2452	36.364	36.344	-	-

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	0.02	-0.14	-	-	2.95	8.00	8.00	-	-	8.00
802.11b	2437	5.54	2.05	-	-	7.15	8.00	8.00	-	-	8.00
802.11b	2462	4.93	4.46	-	-	7.71	8.00	8.00	-	-	8.00
802.11g	2412	-12.82	-12.44	-	-	-9.62	8.00	8.00	-	-	8.00
802.11g	2437	-12.28	-11.32	-	-	-8.76	8.00	8.00	-	-	8.00
802.11g	2462	-11.46	-11.74	-	-	-8.59	8.00	8.00	-	-	8.00
802.11n HT20	2412	-11.69	-10.92	-	-	-8.28	8.00	8.00	-	-	8.00
802.11n HT20	2437	-11.05	-10.53	-	-	-7.77	8.00	8.00	-	-	8.00
802.11n HT20	2462	-12.50	-10.71	-	-	-8.50	8.00	8.00	-	-	8.00
802.11n HT40	2422	-15.67	-14.78	-	-	-12.19	8.00	8.00	-	-	8.00
802.11n HT40	2437	-12.85	-13.65	-	-	-10.22	8.00	8.00	-	-	8.00
802.11n HT40	2452	-14.28	-13.56	-	-	-10.89	8.00	8.00	-	-	8.00