

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	4.460	4.920	90.650	0.426	0.224
802.11g	2412	0.744	1.230	60.488	2.183	1.344
802.11n HT20	2412	2.590	2.860	90.559	0.431	0.386
802.11n HT40	2422	0.660	0.845	78.107	1.073	1.515

2.4 GHz Band							
Mode	Frequency (MHz)	Data Rate	RF power setting in Test SW				Test SW Version
			Ant-0	Ant-1	Ant-2	Ant-3	
802.11b	2412	1M	20000.00	20000.00	-	-	TeraTerm
802.11b	2437	1M	20000.00	20000.00	-	-	
802.11b	2462	1M	20000.00	20000.00	-	-	
802.11b	2467	1M	20000.00	20000.00	-	-	
802.11b	2472	1M	20000.00	20000.00	-	-	
802.11g	2412	6M	20000.00	20000.00	-	-	
802.11g	2437	6M	20000.00	20000.00	-	-	
802.11g	2462	6M	20000.00	20000.00	-	-	
802.11g	2467	6M	20000.00	20000.00	-	-	
802.11g	2472	6M	20000.00	20000.00	-	-	
802.11n HT20	2412	13M	20000.00	20000.00	-	-	
802.11n HT20	2437	13M	20000.00	20000.00	-	-	
802.11n HT20	2462	13M	20000.00	20000.00	-	-	
802.11n HT20	2467	13M	20000.00	20000.00	-	-	
802.11n HT20	2472	13M	20000.00	20000.00	-	-	
802.11n HT40	2422	27M	20000.00	20000.00	-	-	
802.11n HT40	2437	27M	20000.00	20000.00	-	-	
802.11n HT40	2452	27M	20000.00	20000.00	-	-	
802.11n HT40	2457	27M	20000.00	20000.00	-	-	
802.11n HT40	2462	27M	20000.00	20000.00	-	-	

2.4 GHz Band																		
Mode	CH	Frequency (MHz)	Data Rate	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	1M	14.14	16.96	-	-	-	-	-	-	-	-	30.00	30.00	-	-	-
802.11b	6	2437	1M	14.15	16.35	-	-	-	-	-	-	-	-	30.00	30.00	-	-	-
802.11b	11	2462	1M	14.11	17.35	-	-	-	-	-	-	-	-	30.00	30.00	-	-	-
802.11g	1	2412	6M	14.16	16.22	-	-	-	-	-	-	-	-	30.00	30.00	-	-	-
802.11g	6	2437	6M	14.20	17.22	-	-	-	-	-	-	-	-	30.00	30.00	-	-	-
802.11g	11	2462	6M	14.40	17.41	-	-	-	-	-	-	-	-	30.00	30.00	-	-	-
802.11n HT20	1	2412	13M	11.83	13.80	-	-	15.94	-	-	-	-	-	30.00	30.00	-	-	29.49
802.11n HT20	6	2437	13M	11.85	13.62	-	-	15.83	-	-	-	-	-	30.00	30.00	-	-	29.49
802.11n HT20	11	2462	13M	11.91	13.85	-	-	16.00	-	-	-	-	-	30.00	30.00	-	-	29.49
802.11n HT40	3	2422	27M	11.78	14.76	-	-	-	-	-	-	-	-	30.00	30.00	-	-	-
802.11n HT40	6	2437	27M	11.81	14.85	-	-	-	-	-	-	-	-	30.00	30.00	-	-	-
802.11n HT40	9	2452	27M	12.02	14.99	-	-	-	-	-	-	-	-	30.00	30.00	-	-	-

6 dB Bandwidth						
Mode	Frequency (MHz)	6 dB Bandwidth (kHz)				6 dB Bandwidth Min.Limit (kHz)
		Ant-0	Ant-1	Ant-2	Ant-3	
802.11b	2412	-	10100	-	-	≥ 500
802.11b	2437	-	10100	-	-	≥ 500
802.11b	2462	-	10100	-	-	≥ 500
802.11g	2412	-	15140	-	-	≥ 500
802.11g	2437	-	15140	-	-	≥ 500
802.11g	2462	-	15140	-	-	≥ 500
802.11n HT20	2412	15130	15130	-	-	≥ 500
802.11n HT20	2437	15120	15130	-	-	≥ 500
802.11n HT20	2462	15130	15130	-	-	≥ 500
802.11n HT40	2422	-	35110	-	-	≥ 500
802.11n HT40	2437	-	35100	-	-	≥ 500
802.11n HT40	2452	-	35100	-	-	≥ 500

Maximum Power Spectral Density Measurement											
Mode	Frequency (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	-	-9.48	-	-		-	8.00	-	-	-
802.11b	2437	-	-9.61	-	-		-	8.00	-	-	-
802.11b	2462	-	-8.94	-	-		-	8.00	-	-	-
802.11g	2412	-	-13.42	-	-		-	8.00	-	-	-
802.11g	2437	-	-12.37	-	-		-	8.00	-	-	-
802.11g	2462	-	-12.14	-	-		-	8.00	-	-	-
802.11n HT20	2412	-15.81	-13.54	-	-	-11.52	8.00	8.00	-	-	7.49
802.11n HT20	2437	-15.46	-13.01	-	-	-11.05	8.00	8.00	-	-	7.49
802.11n HT20	2462	-15.60	-12.83	-	-	-10.99	8.00	8.00	-	-	7.49
802.11n HT40	2422	-	-17.31	-	-		-	8.00	-	-	-
802.11n HT40	2437	-	-17.01	-	-		-	8.00	-	-	-
802.11n HT40	2452	-	-16.69	-	-		-	8.00	-	-	-