

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	32.160	32.720	0.983	0.075	0.010
802.11g	2412	5.360	5.860	0.915	0.387	0.187
802.11n VHT20	2412	4.960	5.460	0.908	0.417	0.202
802.11n VHT40	2422	3.600	4.110	0.876	0.575	0.278

2.4GHz Band				
Mod.	Freq. (MHz)	Data Rate	RF power setting in Test SW	Test SW Version
			Ant-0	
802.11b	2412	1M	37.00	MP Tool / 0.0003.08.20190211
802.11b	2437	1M	40.00	
802.11b	2462	1M	41.00	
802.11g	2412	6M	49.00	
802.11g	2437	6M	49.00	
802.11g	2462	6M	49.00	
802.11n HT20	2412	6.5M	49.00	
802.11n HT20	2437	6.5M	49.00	
802.11n HT20	2462	6.5M	49.00	
802.11n HT40	2422	13.5M	49.00	
802.11n HT40	2437	13.5M	49.00	
802.11n HT40	2452	13.5M	49.00	
802.11n VHT20	2412	6.5M	49.00	
802.11n VHT20	2437	6.5M	49.00	
802.11n VHT20	2462	6.5M	49.00	
802.11n VHT40	2422	13.5M	46.00	
802.11n VHT40	2437	13.5M	49.00	
802.11n VHT40	2452	13.5M	47.00	

2.4GHz Band						
Mod.	Freq. (MHz)	Data Rate	Avg Conducted Power (dBm)	Peak Conducted Power (dBm)	Peak Conducted Power (W)	Conducted Power Limit (dBm)
			Ant-0	Ant-0	Ant-0	Ant-0
802.11b	2412	1M	17.18	18.24	0.067	30.00
802.11b	2437	1M	17.99	19.05	0.080	30.00
802.11b	2462	1M	17.93	18.93	0.078	30.00
802.11g	2412	6M	17.71	20.79	0.120	30.00
802.11g	2437	6M	17.24	20.36	0.109	30.00
802.11g	2462	6M	16.85	19.85	0.097	30.00
802.11n HT20	2412	6.5M	17.64	20.39	0.109	30.00
802.11n HT20	2437	6.5M	17.20	20.06	0.101	30.00
802.11n HT20	2462	6.5M	16.88	19.79	0.095	30.00
802.11n HT40	2422	13.5M	17.70	20.01	0.100	30.00
802.11n HT40	2437	13.5M	17.49	19.82	0.096	30.00
802.11n HT40	2452	13.5M	17.20	19.48	0.089	30.00
802.11n VHT20	2412	6.5M	17.66	20.42	0.110	30.00
802.11n VHT20	2437	6.5M	17.23	20.11	0.103	30.00
802.11n VHT20	2462	6.5M	16.91	19.82	0.096	30.00
802.11n VHT40	2422	13.5M	16.15	18.35	0.068	30.00
802.11n VHT40	2437	13.5M	17.52	19.86	0.097	30.00
802.11n VHT40	2452	13.5M	16.09	18.39	0.069	30.00

6dB Bandwidth			
Mod.	Freq. (MHz)	6dB Bandwidth (kHz)	6dB Bandwidth Min.Limit (kHz)
		Ant 0	
802.11b	2412	10130	≤ 500
802.11b	2437	10130	≤ 500
802.11b	2462	10130	≤ 500
802.11g	2412	16370	≤ 500
802.11g	2437	16360	≤ 500
802.11g	2462	16360	≤ 500
802.11n VHT20	2412	17070	≤ 500
802.11n VHT20	2437	17010	≤ 500
802.11n VHT20	2462	17090	≤ 500
802.11n VHT40	2422	35710	≤ 500
802.11n VHT40	2437	35730	≤ 500
802.11n VHT40	2452	35950	≤ 500

99% Occupied BW		
Mod.	Freq. (MHz)	99% Occupied BW (MHz)
		Ant 0
802.11b	2412	15.08
802.11b	2437	15.11
802.11b	2462	15.10
802.11g	2412	17.03
802.11g	2437	16.98
802.11g	2462	17.00
802.11n VHT20	2412	17.95
802.11n VHT20	2437	17.93
802.11n VHT20	2462	17.92
802.11n VHT40	2422	37.22
802.11n VHT40	2437	37.37
802.11n VHT40	2452	37.28

Maximum Power Spectral Density Measurement			
Mod.	Freq. (MHz)	Measurement (dBm/3 kHz)	Max.Limit (dBm/ 3 kHz)
		Ant 0	Ant 0
802.11b	2412	-4.85	8.00
802.11b	2437	-5.66	8.00
802.11b	2462	-5.69	8.00
802.11g	2412	-7.70	8.00
802.11g	2437	-8.22	8.00
802.11g	2462	-9.39	8.00
802.11n VHT20	2412	-7.78	8.00
802.11n VHT20	2437	-8.09	8.00
802.11n VHT20	2462	-8.97	8.00
802.11n VHT40	2422	-11.57	8.00
802.11n VHT40	2437	-10.92	8.00
802.11n VHT40	2452	-11.61	8.00