

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	16.200	16.550	97.885	0.093	0.062
802.11g	2412	2.689	3.043	88.367	0.537	0.372
802.11n HT20	2412	2.510	2.860	87.762	0.567	0.398

2.4 GHz Band					
Mod.	Freq. (MHz)		Data Rate	RF power setting in Test SW	Test SW Version
				Ant-0	
802.11b	2412		1M	15.00	Mform V1 16.1.6
802.11b	2437		1M	20.00	
802.11b	2462		1M	16.00	
802.11g	2412		6M	12.00	
802.11g	2437		6M	17.00	
802.11g	2462		6M	13.00	
802.11n HT20	2412		6.5M	12.00	
802.11n HT20	2437		6.5M	17.00	
802.11n HT20	2462		6.5M	14.00	
802.11n VHT20	2412		6.5M	12.00	
802.11n VHT20	2437		6.5M	17.00	
802.11n VHT20	2462		6.5M	12.00	
802.11ax HE20	2412	Full	MCS0	12.00	
802.11ax HE20	2437	Full	MCS0	16.00	
802.11ax HE20	2462	Full	MCS0	12.00	

2.4 GHz Band					
Mod.	Freq. (MHz)	Data Rate	Avg Conducted Power (dBm)	Peak Conducted Power (dBm)	Conducted Power Limit (dBm)
			Ant-0	Ant-0	Ant-0
802.11b	2412	1M	18.65	21.29	30.00
802.11b	2437	1M	23.63	25.57	30.00
802.11b	2462	1M	19.70	22.30	30.00
802.11g	2412	6M	15.00	24.46	30.00
802.11g	2437	6M	19.88	26.45	30.00
802.11g	2462	6M	16.75	25.68	30.00
802.11n HT20	2412	6.5M	13.82	23.72	30.00
802.11n HT20	2437	6.5M	18.70	26.41	30.00
802.11n HT20	2462	6.5M	16.51	26.18	30.00
802.11n VHT20	2412	6.5M	13.69	23.67	30.00
802.11n VHT20	2437	6.5M	18.68	26.38	30.00
802.11n VHT20	2462	6.5M	13.85	23.77	30.00

2.4 GHz Band						
Mod.	Freq. (MHz)	RU	Data Rate	Avg Conducted Power (dBm)	Peak Conducted Power (dBm)	Conducted Power Limit (dBm)
				Ant-0	Ant-0	Ant-0
802.11ax HE20	2412	Full	MCS0	13.80	23.56	30.00
802.11ax HE20	2437	Full	MCS0	17.96	26.36	30.00
802.11ax HE20	2462	Full	MCS0	13.82	23.41	30.00

6 dB Bandwidth			
Mod.	Freq. (MHz)	6 dB Bandwidth (kHz)	6 dB Bandwidth Min.Limit (kHz)
		Ant-0	
802.11b	2412	8544	≥ 500
802.11b	2437	9122	≥ 500
802.11b	2462	9061	≥ 500
802.11g	2412	15150	≥ 500
802.11g	2437	15160	≥ 500
802.11g	2462	15150	≥ 500
802.11n HT20	2412	15150	≥ 500
802.11n HT20	2437	15150	≥ 500
802.11n HT20	2462	15150	≥ 500

99 % Occupied BW		
Mod.	Freq. (MHz)	99 % Occupied BW (MHz)
		Ant-0
802.11b	2412	13.03
802.11b	2437	15.18
802.11b	2462	13.06
802.11g	2412	16.72
802.11g	2437	17.20
802.11g	2462	16.73
802.11n HT20	2412	17.61
802.11n HT20	2437	17.77
802.11n HT20	2462	17.60

Maximum Power Spectral Density Measurement			
Mod.	Freq. (MHz)	Measurement (dBm/3 kHz)	Max.Limit (dBm/ 3 kHz)
		Ant-0	Ant-0
802.11b	2412	-7.26	8.00
802.11b	2437	-2.50	8.00
802.11b	2462	-4.82	8.00
802.11g	2412	-11.58	8.00
802.11g	2437	-7.10	8.00
802.11g	2462	-10.78	8.00
802.11n HT20	2412	-13.31	8.00
802.11n HT20	2437	-7.79	8.00
802.11n HT20	2462	-10.68	8.00