

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	1.432	1.436	99.721	0.012	0.010
802.11g	2412	2.110	2.115	99.764	0.010	0.010
802.11n HT20	2412	10.000	10.000	100.000	0.000	0.010
802.11n HT40	2422	10.000	10.000	100.000	0.000	0.010
802.11ax HE20	2412	10.000	10.000	100.000	0.000	0.010
802.11ax HE40	2422	10.000	10.000	100.000	0.000	0.010

2.4 GHz Band					
Mode	Channel	Freq. (MHz)	RF power setting in Test SW		Test SW Version
			chain_2(Main)	chain_1(Aux)	
802.11b	1	2412	17.00	17.00	QRCT v4.0.00185.0
802.11b	6	2437	20.50	20.50	
802.11b	11	2462	19.00	19.00	
802.11b	12	2467	9.50	9.50	
802.11b	13	2472	3.00	3.00	
802.11g	1	2412	15.00	15.00	
802.11g	6	2437	20.50	20.50	
802.11g	11	2462	15.00	15.00	
802.11g	12	2467	12.00	12.00	
802.11g	13	2472	2.00	2.00	
802.11n HT20	1	2412	13.00	13.00	
802.11n HT20	6	2437	16.50	16.50	
802.11n HT20	11	2462	14.00	14.00	
802.11n HT20	12	2467	12.50	12.50	
802.11n HT20	13	2472	1.00	1.00	
802.11n HT40	3	2422	10.00	10.00	
802.11n HT40	6	2437	13.00	13.00	
802.11n HT40	9	2452	11.50	11.50	
802.11n HT40	10	2457	11.50	11.50	
802.11n HT40	11	2462	2.00	2.00	
802.11ax HE20	1	2412	12.00	12.00	
802.11ax HE20	6	2437	16.00	16.00	
802.11ax HE20	11	2462	14.00	14.00	
802.11ax HE20	12	2467	11.50	11.50	
802.11ax HE20	13	2472	1.00	1.00	
802.11ax HE40	3	2422	10.00	10.00	
802.11ax HE40	6	2437	12.50	12.50	
802.11ax HE40	9	2452	12.50	12.50	
802.11ax HE40	10	2457	12.00	12.00	
802.11ax HE40	11	2462	2.00	2.00	

2.4 GHz Band												
Mode	CH	Freq. (MHz)	Data Rate	Avg Conducted Power (dBm)			Peak Conducted Power (dBm)			Conducted Power Limit (dBm)		
				chain_2(Main)	chain_1(Aux)	SUM	chain_2(Main)	chain_1(Aux)	SUM	chain_2(Main)	chain_1(Aux)	SUM
802.11b	1	2412	1M	16.03	15.29	18.69	18.78	18.03	21.43	30.00	30.00	30.00
802.11b	6	2437	1M	18.65	18.73	21.70	21.17	21.14	24.17	30.00	30.00	30.00
802.11b	11	2462	1M	17.22	17.50	20.37	19.84	20.05	22.96	30.00	30.00	30.00
802.11b	12	2467	1M	7.94	7.30	10.64	10.84	10.03	13.46	30.00	30.00	30.00
802.11b	13	2472	1M	1.73	1.40	4.58	4.57	4.17	7.38	30.00	30.00	30.00
802.11g	1	2412	6M	14.02	13.34	16.70	20.38	19.84	23.13	30.00	30.00	30.00
802.11g	6	2437	6M	18.42	18.43	21.44	23.36	22.83	26.11	30.00	30.00	30.00
802.11g	11	2462	6M	13.29	13.39	16.35	19.74	19.83	22.80	30.00	30.00	30.00
802.11g	12	2467	6M	10.17	10.22	13.21	16.89	16.86	19.89	30.00	30.00	30.00
802.11g	13	2472	6M	1.52	1.18	4.36	8.21	7.77	11.01	30.00	30.00	30.00
802.11n HT20	1	2412	13M	11.68	11.15	14.43	18.23	17.84	21.05	30.00	30.00	30.00
802.11n HT20	6	2437	13M	14.76	14.26	17.53	21.13	20.67	23.92	30.00	30.00	30.00
802.11n HT20	11	2462	13M	12.83	12.95	15.90	20.74	20.69	23.73	30.00	30.00	30.00
802.11n HT20	12	2467	13M	10.32	10.51	13.43	16.98	17.18	20.09	30.00	30.00	30.00
802.11n HT20	13	2472	13M	-0.17	-0.26	2.80	7.95	7.58	10.78	30.00	30.00	30.00
802.11n HT40	3	2422	27M	9.13	7.73	11.50	16.18	14.81	18.56	30.00	30.00	30.00
802.11n HT40	6	2437	27M	11.69	11.12	14.42	18.61	18.15	21.40	30.00	30.00	30.00
802.11n HT40	9	2452	27M	9.79	9.49	12.65	16.84	16.38	19.63	30.00	30.00	30.00
802.11n HT40	10	2457	27M	9.81	9.51	12.67	16.86	16.62	19.75	30.00	30.00	30.00
802.11n HT40	11	2462	27M	1.48	0.83	4.18	9.47	8.55	12.04	30.00	30.00	30.00
802.11ax HE20	1	2412	MCS0	10.99	10.13	13.59	18.98	18.29	21.66	30.00	30.00	30.00
802.11ax HE20	6	2437	MCS0	14.61	13.97	17.31	21.92	21.26	24.61	30.00	30.00	30.00
802.11ax HE20	11	2462	MCS0	13.05	13.01	16.04	20.96	20.79	23.89	30.00	30.00	30.00
802.11ax HE20	12	2467	MCS0	10.29	9.55	12.95	18.58	17.64	21.15	30.00	30.00	30.00
802.11ax HE20	13	2472	MCS0	-0.02	-0.01	3.00	8.08	7.83	10.97	30.00	30.00	30.00
802.11ax HE40	3	2422	MCS0	8.83	7.33	11.15	16.61	14.99	18.89	30.00	30.00	30.00
802.11ax HE40	6	2437	MCS0	11.11	10.32	13.74	18.84	18.28	21.58	30.00	30.00	30.00
802.11ax HE40	9	2452	MCS0	10.72	10.62	13.68	18.54	18.55	21.56	30.00	30.00	30.00
802.11ax HE40	10	2457	MCS0	10.49	10.22	13.37	18.31	18.15	21.24	30.00	30.00	30.00
802.11ax HE40	11	2462	MCS0	1.68	1.08	4.40	9.53	8.77	12.18	30.00	30.00	30.00

6 dB Bandwidth				
Mode	Freq. (MHz)	6 dB Bandwidth (kHz)		6 dB Bandwidth Min.Limit (kHz)
		chain_2(Main)	chain_1(Aux)	
802.11b	2412	8103	8097	≥ 500
802.11b	2437	8106	8113	≥ 500
802.11b	2462	8100	8098	≥ 500
802.11b	2467	8098	8099	≥ 500
802.11b	2472	8097	8102	≥ 500
802.11g	2412	15150	15150	≥ 500
802.11g	2437	15140	15150	≥ 500
802.11g	2462	15160	15150	≥ 500
802.11g	2467	15140	15150	≥ 500
802.11g	2472	15160	15160	≥ 500
802.11n HT20	2412	15140	15140	≥ 500
802.11n HT20	2437	15150	15970	≥ 500
802.11n HT20	2462	15760	15140	≥ 500
802.11n HT20	2467	15140	15150	≥ 500
802.11n HT20	2472	15150	15110	≥ 500
802.11n HT40	2422	35090	35120	≥ 500
802.11n HT40	2437	35100	35480	≥ 500
802.11n HT40	2452	35120	35120	≥ 500
802.11n HT40	2457	35060	35130	≥ 500
802.11n HT40	2462	35150	35130	≥ 500
802.11ax HE20	2412	17780	17140	≥ 500
802.11ax HE20	2437	17620	16720	≥ 500
802.11ax HE20	2462	17060	15820	≥ 500
802.11ax HE20	2467	16910	16740	≥ 500
802.11ax HE20	2472	16370	16020	≥ 500
802.11ax HE40	2422	35100	36060	≥ 500
802.11ax HE40	2437	35120	36090	≥ 500
802.11ax HE40	2452	35140	35420	≥ 500
802.11ax HE40	2457	35130	36250	≥ 500
802.11ax HE40	2462	36380	35900	≤ 500

99 % Occupied BW			
Mode	Freq. (MHz)	99 % Occupied BW (MHz)	
		chain_2(Main)	chain_1(Aux)
802.11b	2412	13.825	13.751
802.11b	2437	14.063	14.562
802.11b	2462	13.500	13.560
802.11b	2467	13.264	13.278
802.11b	2472	13.317	13.529
802.11g	2412	16.409	16.421
802.11g	2437	16.623	19.958
802.11g	2462	16.396	16.427
802.11g	2467	16.360	16.419
802.11g	2472	17.674	18.285
802.11n HT20	2412	17.576	17.556
802.11n HT20	2437	17.828	19.704
802.11n HT20	2462	17.576	17.563
802.11n HT20	2467	17.571	17.568
802.11n HT20	2472	17.573	17.580
802.11n HT40	2422	36.086	36.120
802.11n HT40	2437	36.093	36.109
802.11n HT40	2452	36.195	36.176
802.11n HT40	2457	36.206	36.198
802.11n HT40	2462	36.228	36.183
802.11ax HE20	2412	18.888	18.877
802.11ax HE20	2437	19.038	19.584
802.11ax HE20	2462	18.876	18.885
802.11ax HE20	2467	18.887	18.895
802.11ax HE20	2472	19.377	19.376
802.11ax HE40	2422	37.760	37.814
802.11ax HE40	2437	37.803	37.737
802.11ax HE40	2452	37.815	37.805
802.11ax HE40	2457	37.857	37.834
802.11ax HE40	2462	37.826	37.817

Maximum Power Spectral Density Measurement							
Mode	Freq. (MHz)	Measurement (dBm/3 kHz)			Max.Limit (dBm/ 3 kHz)		
		chain_2(Main)	chain_1(Aux)	SUM	chain_2(Main)	chain_1(Aux)	SUM
802.11b	2412	-2.73	-2.97	0.16	8.00	8.00	8.00
802.11b	2437	-2.06	-1.83	1.07	8.00	8.00	8.00
802.11b	2462	-4.13	-3.80	-0.95	8.00	8.00	8.00
802.11b	2467	-5.68	-5.69	-2.67	8.00	8.00	8.00
802.11b	2472	-8.20	-8.25	-5.21	8.00	8.00	8.00
802.11g	2412	-7.40	-8.08	-4.72	8.00	8.00	8.00
802.11g	2437	-3.91	-4.09	-0.99	8.00	8.00	8.00
802.11g	2462	-6.47	-7.86	-4.10	8.00	8.00	8.00
802.11g	2467	-11.01	-11.06	-8.02	8.00	8.00	8.00
802.11g	2472	-23.29	-22.68	-19.96	8.00	8.00	8.00
802.11n HT20	2412	-6.25	-8.11	-4.07	8.00	8.00	8.00
802.11n HT20	2437	-3.04	-3.38	-0.20	8.00	8.00	8.00
802.11n HT20	2462	-10.59	-10.75	-7.66	8.00	8.00	8.00
802.11n HT20	2467	-10.79	-11.38	-8.06	8.00	8.00	8.00
802.11n HT20	2472	-22.54	-22.82	-19.67	8.00	8.00	8.00
802.11n HT40	2422	-12.77	-13.97	-10.32	8.00	8.00	8.00
802.11n HT40	2437	-11.91	-12.76	-9.30	8.00	8.00	8.00
802.11n HT40	2452	-14.15	-14.23	-11.18	8.00	8.00	8.00
802.11n HT40	2457	-15.49	-15.57	-12.52	8.00	8.00	8.00
802.11n HT40	2462	-25.57	-25.58	-22.56	8.00	8.00	8.00
802.11ax HE20	2412	-7.64	-8.12	-4.86	8.00	8.00	8.00
802.11ax HE20	2437	-4.66	-3.79	-1.19	8.00	8.00	8.00
802.11ax HE20	2462	-10.56	-10.71	-7.62	8.00	8.00	8.00
802.11ax HE20	2467	-11.80	-11.82	-8.80	8.00	8.00	8.00
802.11ax HE20	2472	-23.67	-23.71	-20.68	8.00	8.00	8.00
802.11ax HE40	2422	-13.37	-14.06	-10.69	8.00	8.00	8.00
802.11ax HE40	2437	-12.59	-13.21	-9.88	8.00	8.00	8.00
802.11ax HE40	2452	-14.26	-14.94	-11.58	8.00	8.00	8.00
802.11ax HE40	2457	-15.83	-16.18	-12.99	8.00	8.00	8.00
802.11ax HE40	2462	-25.40	-25.56	-22.47	8.00	8.00	8.00