

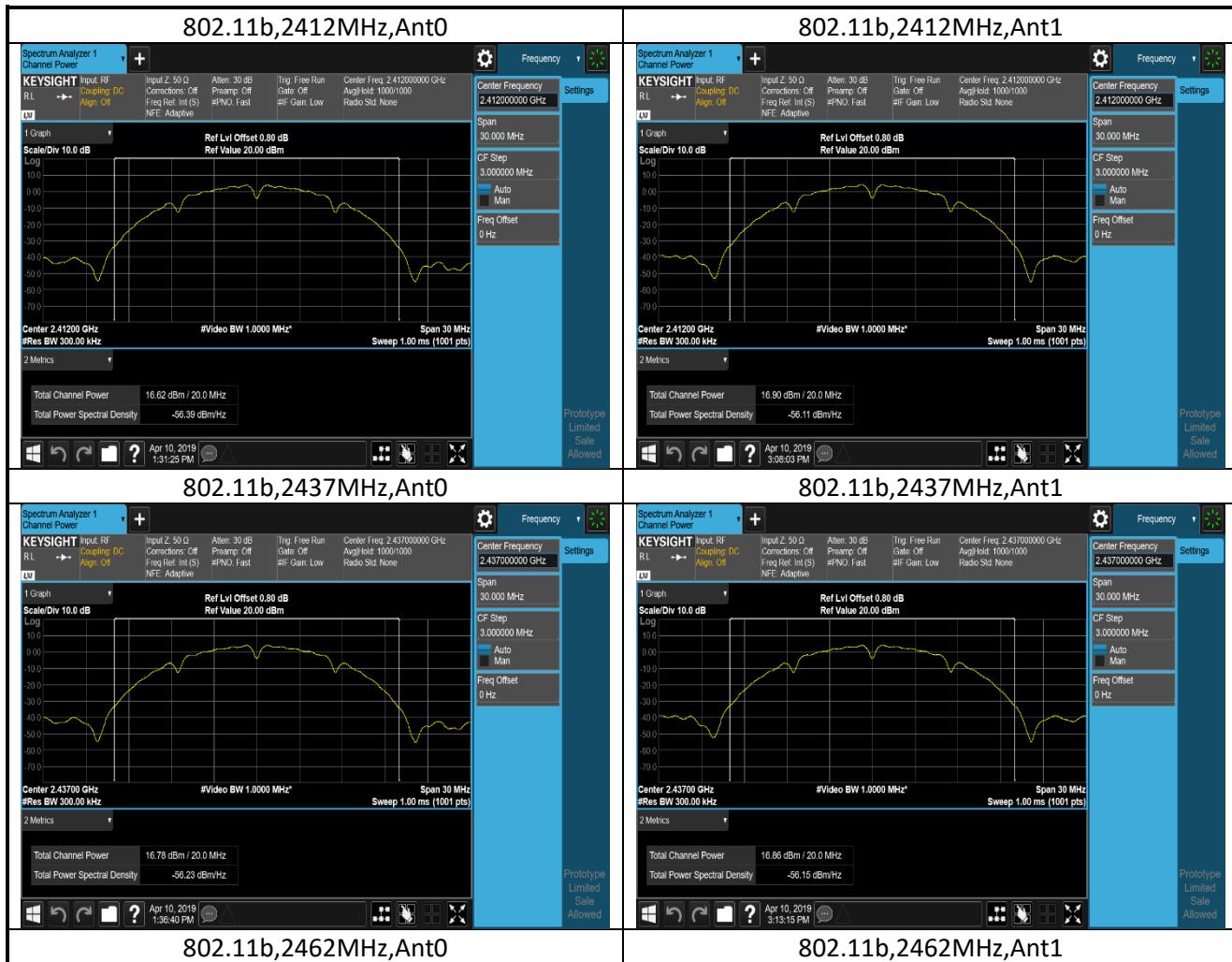
4. Maximum conducted output power and e.i.r.p

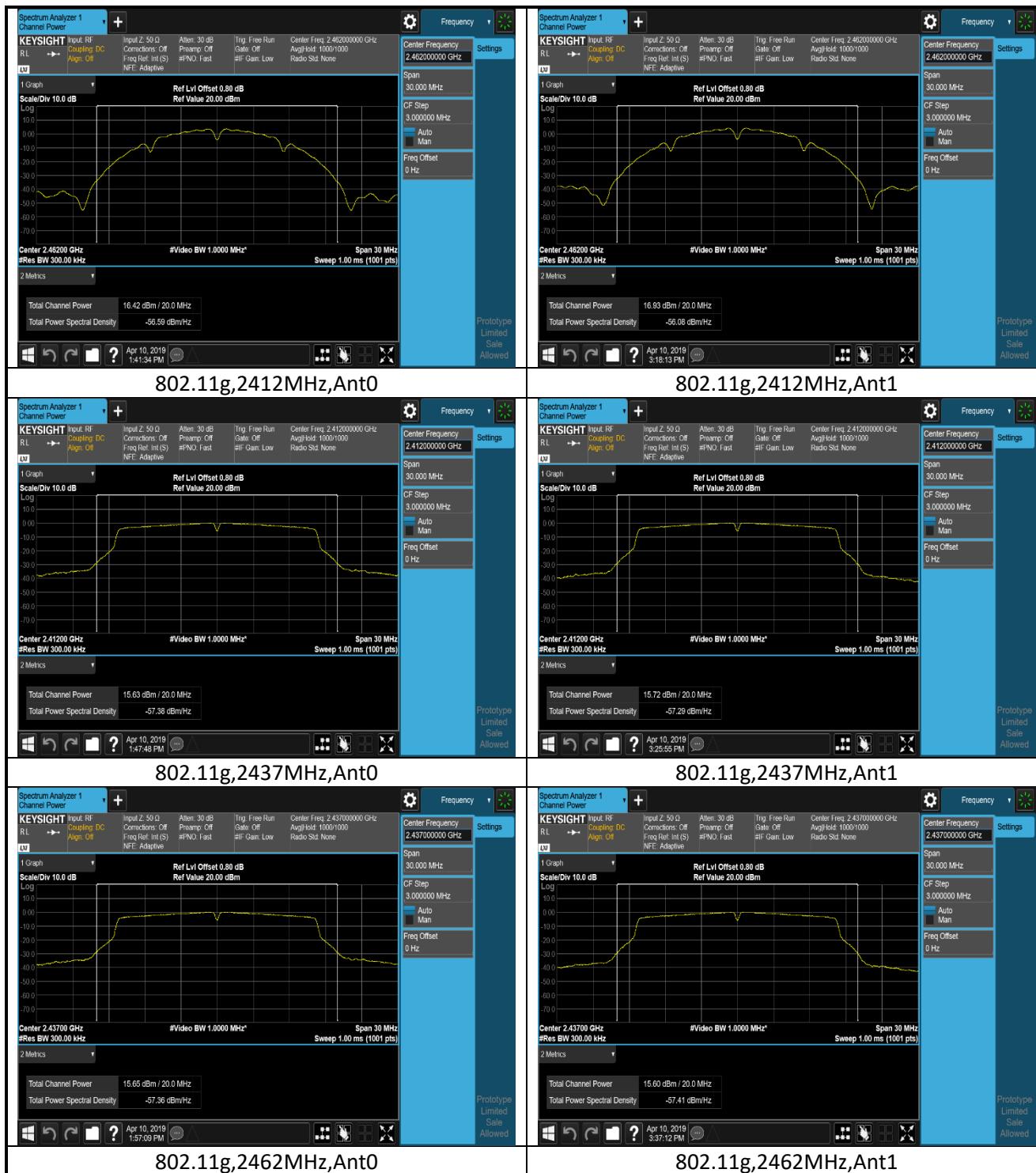
4.1 Test Data

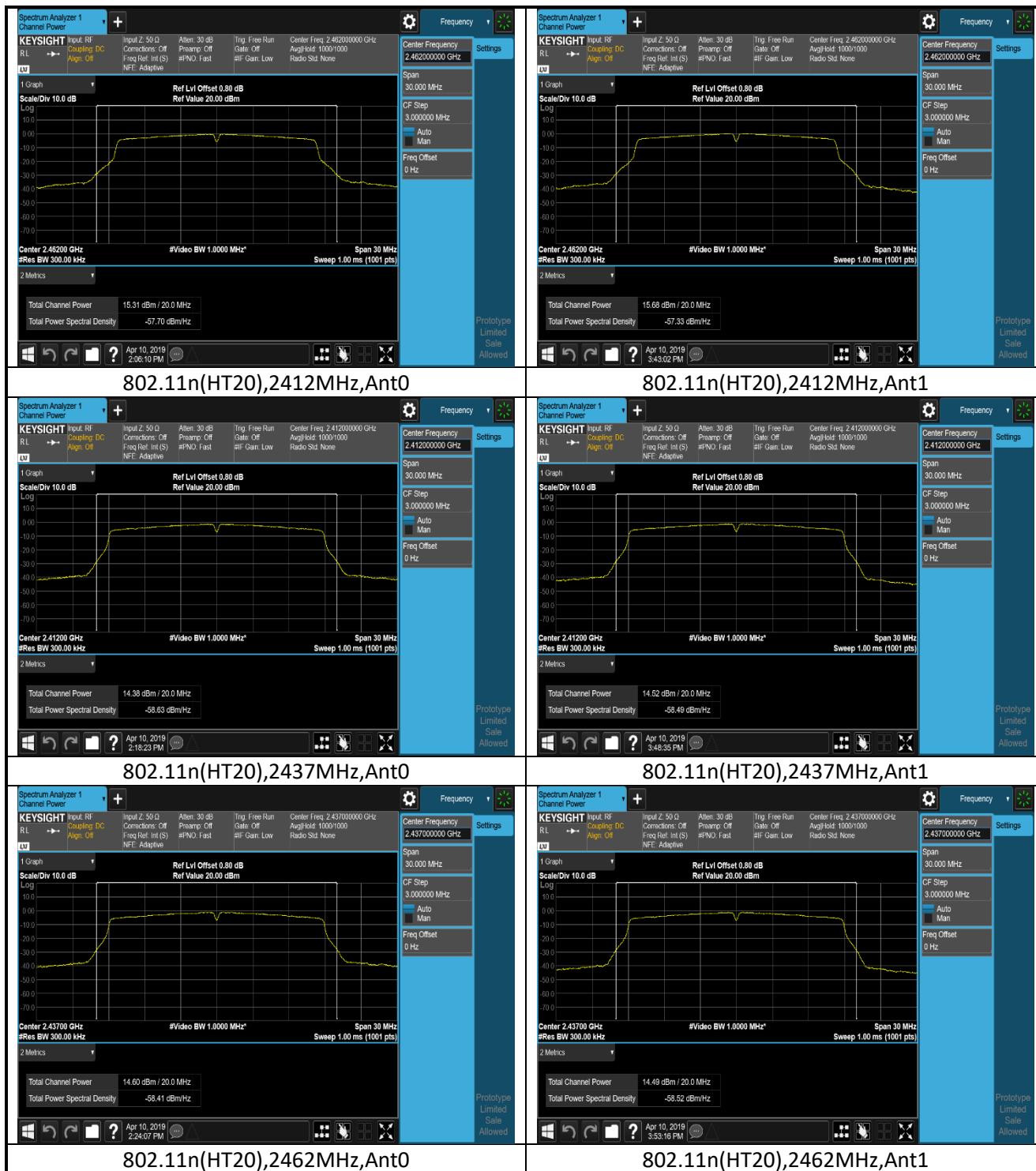
WLAN AVGSA Output Power								
Mode	Test Frequency (MHz)	Ant	Duty Cycle Factor (dB)	Max Power (dBm)	Total or max Power (dBm)	Limit (dBm)	EIRP (dBm)	Result
802.11b	2412	Ant0	0.00	16.62	16.62	30	18.53	Pass
802.11b	2412	Ant1	0.00	16.90	16.90	30	18.21	Pass
802.11b	2437	Ant0	0.00	16.78	16.78	30	18.69	Pass
802.11b	2437	Ant1	0.00	16.86	16.86	30	18.17	Pass
802.11b	2462	Ant0	0.00	16.42	16.42	30	18.33	Pass
802.11b	2462	Ant1	0.00	16.93	16.93	30	18.24	Pass
802.11g	2412	Ant0	0.11	15.74	15.74	30	17.65	Pass
802.11g	2412	Ant1	0.11	15.83	15.83	30	17.14	Pass
802.11g	2437	Ant0	0.11	15.76	15.76	30	17.67	Pass
802.11g	2437	Ant1	0.11	15.71	15.71	30	17.02	Pass
802.11g	2462	Ant0	0.11	15.42	15.42	30	17.33	Pass
802.11g	2462	Ant1	0.11	15.79	15.79	30	17.10	Pass
802.11n (HT20)	2412	Ant0	0.12	14.50	17.58	30	19.20	Pass
802.11n (HT20)	2412	Ant1	0.12	14.64				
802.11n (HT20)	2437	Ant0	0.11	14.71	17.67	30	19.29	Pass
802.11n (HT20)	2437	Ant1	0.12	14.61				
802.11n (HT20)	2462	Ant0	0.12	14.32	17.54	30	19.16	Pass
802.11n (HT20)	2462	Ant1	0.12	14.73				
802.11n (HT40)	2422	Ant0	0.23	14.45	17.40	30	19.02	Pass
802.11n (HT40)	2422	Ant1	0.22	14.32				
802.11n (HT40)	2437	Ant0	0.23	14.49	17.42	30	19.04	Pass

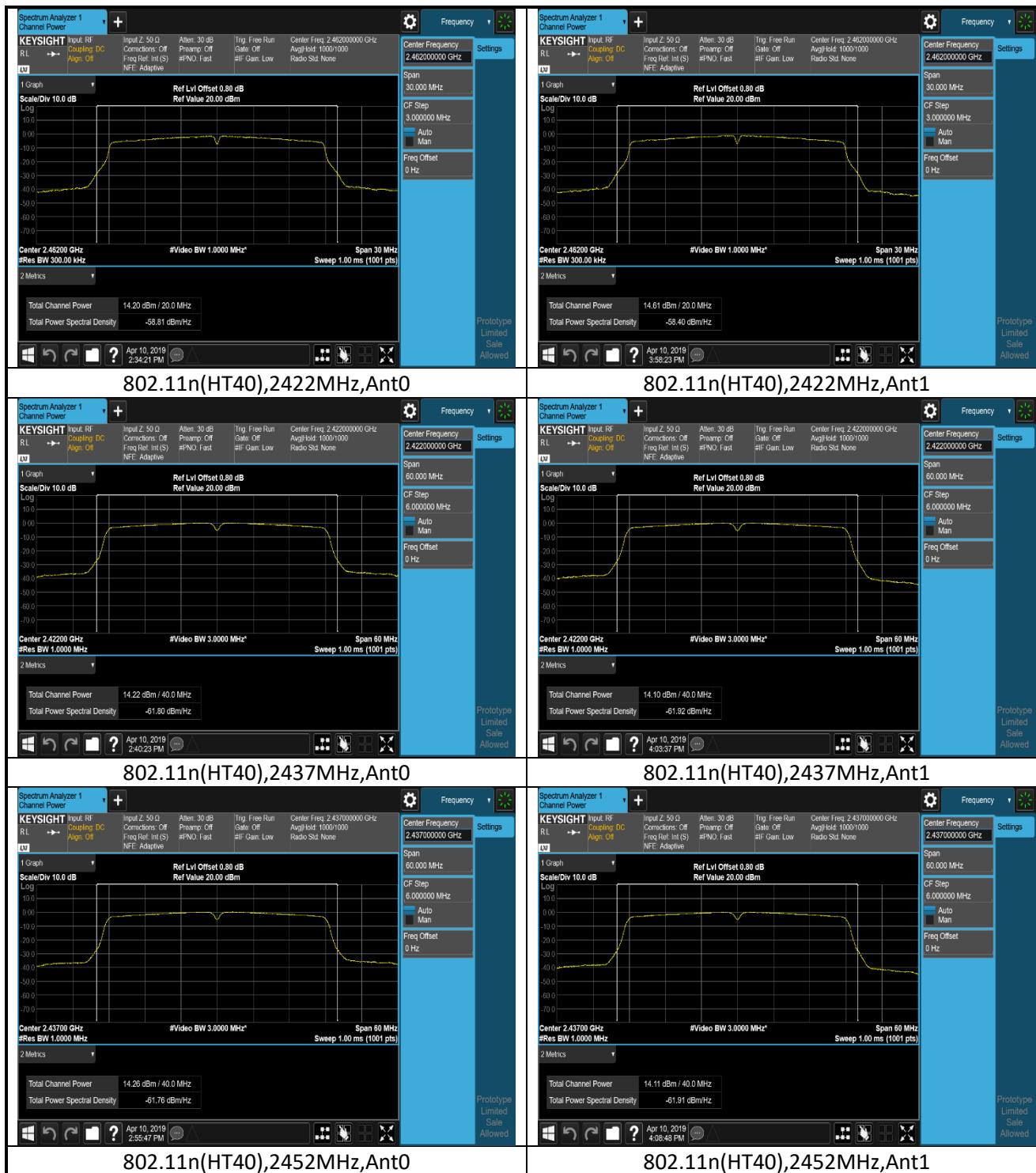
802.11n (HT40)	2437	Ant1	0.22	14.33				
802.11n (HT40)	2452	Ant0	0.23	14.55				
802.11n (HT40)	2452	Ant1	0.23	14.37	17.47	30	19.09	Pass

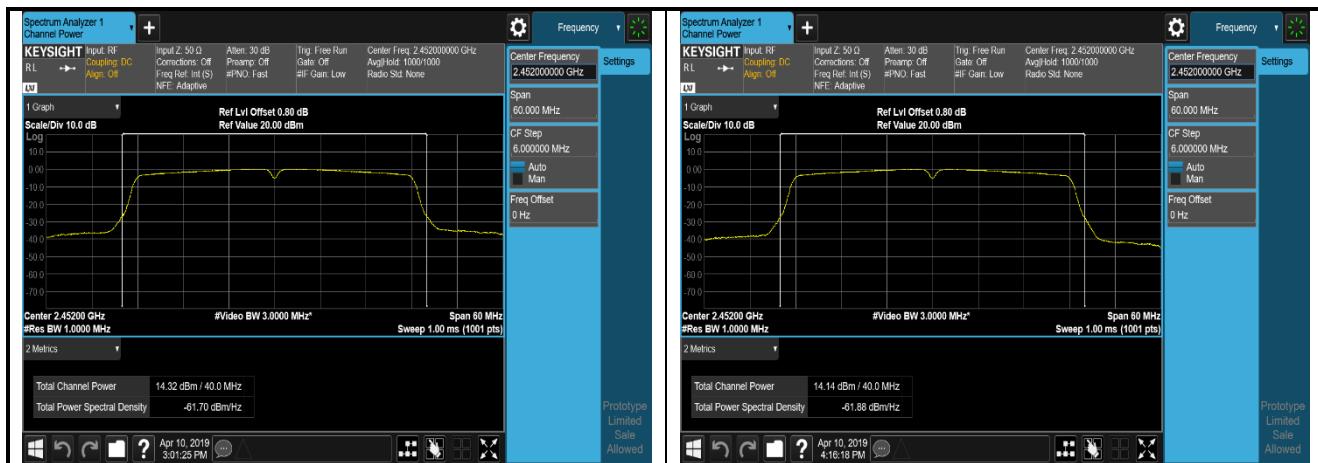
4.2 Test Plots











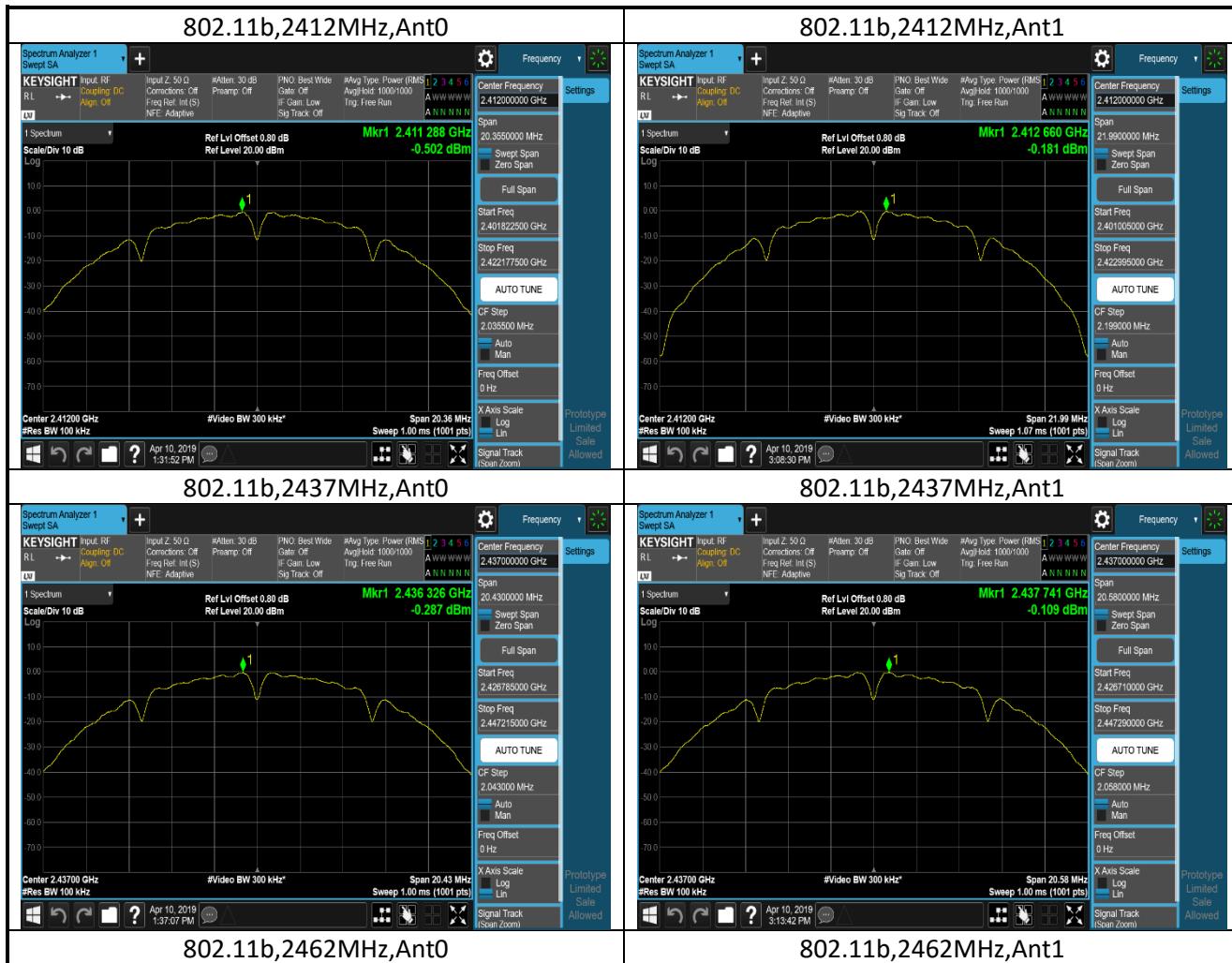
5. Power spectrum density

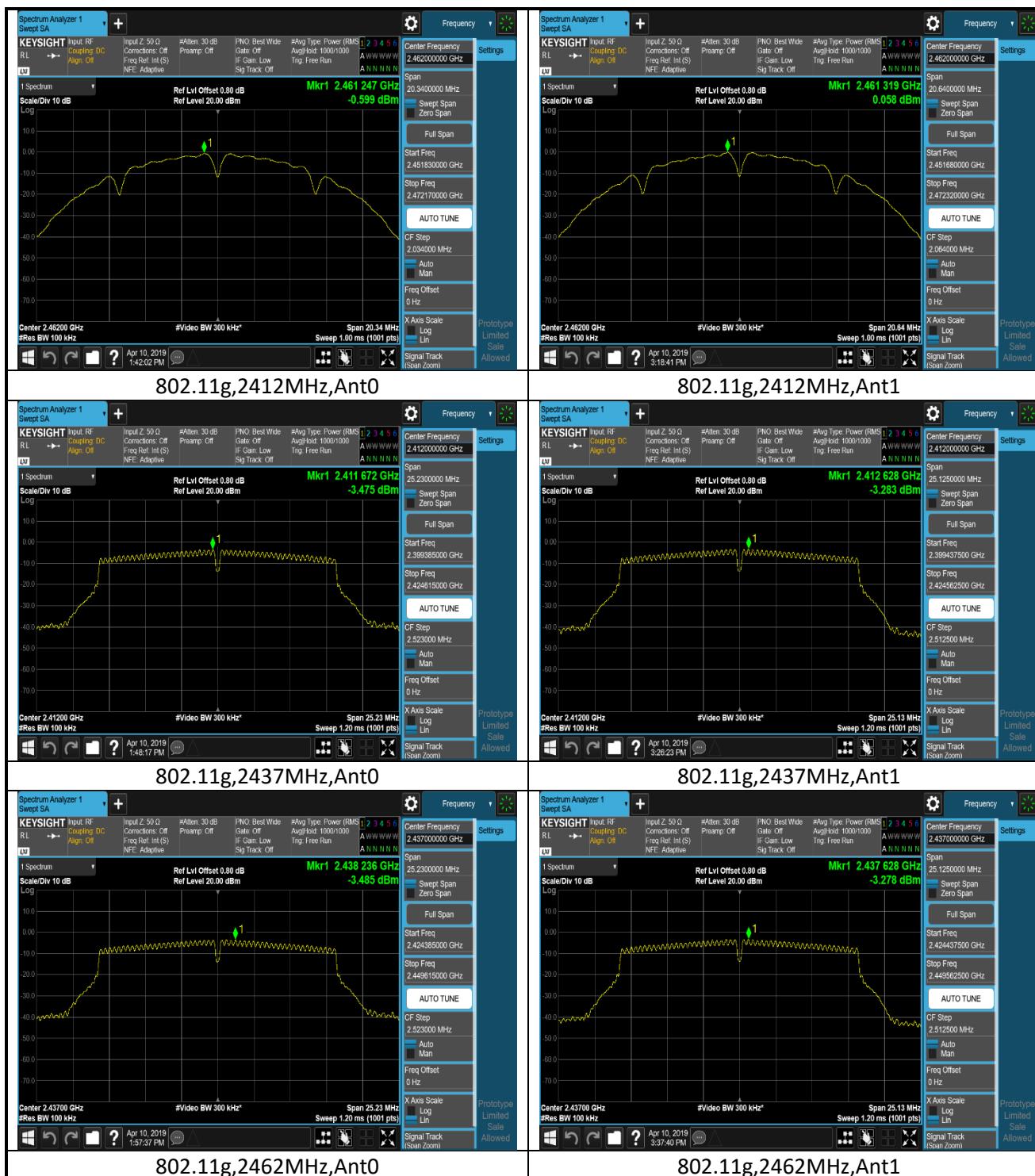
5.1 Test Data

WLAN AVGSA Power Spectral Density								
Mode	Test Frequency (MHz)	Ant	Duty Cycle Factor (dB)	PSD (dBm)	Max or total PSD (dBm)	RBW (kHz)	Limit (dBm)	Result
802.11b	2412	Ant0	0.00	-0.502	-0.502	100	8	Pass
802.11b	2412	Ant1	0.00	-0.181	-0.181	100	8	Pass
802.11b	2437	Ant0	0.00	-0.287	-0.287	100	8	Pass
802.11b	2437	Ant1	0.00	-0.109	-0.109	100	8	Pass
802.11b	2462	Ant0	0.00	-0.599	-0.599	100	8	Pass
802.11b	2462	Ant1	0.00	0.058	0.058	100	8	Pass
802.11g	2412	Ant0	0.11	-3.365	-3.365	100	8	Pass
802.11g	2412	Ant1	0.11	-3.173	-3.173	100	8	Pass
802.11g	2437	Ant0	0.11	-3.375	-3.375	100	8	Pass
802.11g	2437	Ant1	0.11	-3.168	-3.168	100	8	Pass
802.11g	2462	Ant0	0.11	-3.776	-3.776	100	8	Pass
802.11g	2462	Ant1	0.11	-3.157	-3.157	100	8	Pass
802.11n (HT20)	2412	Ant0	0.12	-4.805	-0.17	100	8	Pass
802.11n (HT20)	2412	Ant1	0.12	-4.789				
802.11n (HT20)	2437	Ant0	0.11	-4.581	-0.04	100	8	Pass
802.11n (HT20)	2437	Ant1	0.12	-4.762				
802.11n (HT20)	2462	Ant0	0.12	-5.028	-0.18	100	8	Pass
802.11n (HT20)	2462	Ant1	0.12	-4.605				
802.11n (HT40)	2422	Ant0	0.23	-8.112	-3.58	100	8	Pass
802.11n (HT40)	2422	Ant1	0.22	-8.302				
802.11n (HT40)	2437	Ant0	0.23	-8.178	-3.64	100	8	Pass

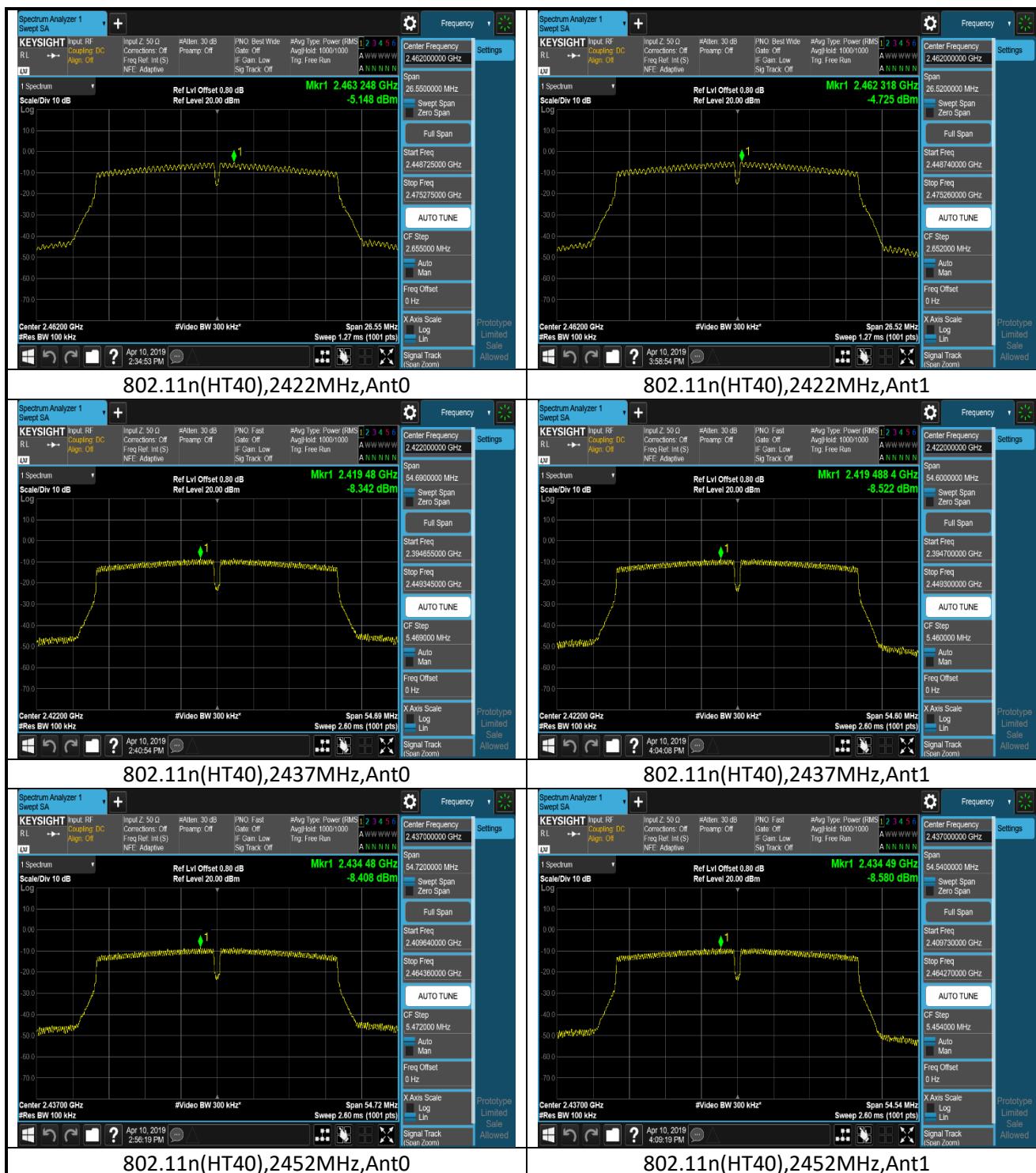
802.11n (HT40)	2437	Ant1	0.22	-8.360				
802.11n (HT40)	2452	Ant0	0.23	-7.957	-3.32	100	8	Pass
802.11n (HT40)	2452	Ant1	0.23	-7.950				

5.2 Test Plots











6. Emission outside the frequency band

6.1 Test Data

WLAN Transmitter Spurious Emission						
Mode	Test Frequency (MHz)	Ant	Plot No.	Frequency Range	Emission (dBm)	Result
802.11b	2412	Ant0	1	Reference Level	6.86	Pass
802.11b	2412	Ant0	2	Band Edge	-36.83	Pass
802.11b	2412	Ant0	3	30MHz~2310MHz	-54.74	Pass
802.11b	2412	Ant0	4	2500MHz~5000MHz	-53.84	Pass
802.11b	2412	Ant0	5	5000MHz~25000MHz	-41.63	Pass
802.11b	2412	Ant1	1	Reference Level	7.19	Pass
802.11b	2412	Ant1	2	Band Edge	-35.53	Pass
802.11b	2412	Ant1	3	30MHz~2310MHz	-57.26	Pass
802.11b	2412	Ant1	4	2500MHz~5000MHz	-48.38	Pass
802.11b	2412	Ant1	5	5000MHz~25000MHz	-41.47	Pass
802.11b	2437	Ant0	1	Reference Level	7.07	Pass
802.11b	2437	Ant0	2	Band Edge	-57.28	Pass
802.11b	2437	Ant0	3	30MHz~2310MHz	-56.99	Pass
802.11b	2437	Ant0	4	2500MHz~5000MHz	-52.04	Pass
802.11b	2437	Ant0	5	5000MHz~25000MHz	-41.74	Pass
802.11b	2437	Ant1	1	Reference Level	7.17	Pass
802.11b	2437	Ant1	2	Band Edge	-56.41	Pass
802.11b	2437	Ant1	3	30MHz~2310MHz	-57.46	Pass
802.11b	2437	Ant1	4	2500MHz~5000MHz	-51.40	Pass
802.11b	2437	Ant1	5	5000MHz~25000MHz	-41.08	Pass
802.11b	2462	Ant0	1	Reference Level	6.75	Pass
802.11b	2462	Ant0	2	Band Edge	-56.49	Pass
802.11b	2462	Ant0	3	30MHz~2310MHz	-57.78	Pass
802.11b	2462	Ant0	4	2500MHz~5000MHz	-54.74	Pass
802.11b	2462	Ant0	5	5000MHz~25000MHz	-41.98	Pass

802.11b	2462	Ant1	1	Reference Level	7.21	Pass
802.11b	2462	Ant1	2	Band Edge	-54.15	Pass
802.11b	2462	Ant1	3	30MHz~2310MHz	-57.87	Pass
802.11b	2462	Ant1	4	2500MHz~5000MHz	-54.89	Pass
802.11b	2462	Ant1	5	5000MHz~25000MHz	-42.16	Pass
802.11g	2412	Ant0	1	Reference Level	5.28	Pass
802.11g	2412	Ant0	2	Band Edge	-27.98	Pass
802.11g	2412	Ant0	3	30MHz~2310MHz	-56.32	Pass
802.11g	2412	Ant0	4	2500MHz~5000MHz	-55.18	Pass
802.11g	2412	Ant0	5	5000MHz~25000MHz	-42.01	Pass
802.11g	2412	Ant1	1	Reference Level	5.39	Pass
802.11g	2412	Ant1	2	Band Edge	-28.31	Pass
802.11g	2412	Ant1	3	30MHz~2310MHz	-56.66	Pass
802.11g	2412	Ant1	4	2500MHz~5000MHz	-54.52	Pass
802.11g	2412	Ant1	5	5000MHz~25000MHz	-41.67	Pass
802.11g	2437	Ant0	1	Reference Level	5.28	Pass
802.11g	2437	Ant0	2	Band Edge	-54.91	Pass
802.11g	2437	Ant0	3	30MHz~2310MHz	-57.38	Pass
802.11g	2437	Ant0	4	2500MHz~5000MHz	-55.24	Pass
802.11g	2437	Ant0	5	5000MHz~25000MHz	-41.69	Pass
802.11g	2437	Ant1	1	Reference Level	5.44	Pass
802.11g	2437	Ant1	2	Band Edge	-53.63	Pass
802.11g	2437	Ant1	3	30MHz~2310MHz	-57.21	Pass
802.11g	2437	Ant1	4	2500MHz~5000MHz	-54.06	Pass
802.11g	2437	Ant1	5	5000MHz~25000MHz	-41.78	Pass
802.11g	2462	Ant0	1	Reference Level	4.96	Pass
802.11g	2462	Ant0	2	Band Edge	-43.61	Pass
802.11g	2462	Ant0	3	30MHz~2310MHz	-57.61	Pass
802.11g	2462	Ant0	4	2500MHz~5000MHz	-55.11	Pass
802.11g	2462	Ant0	5	5000MHz~25000MHz	-40.91	Pass
802.11g	2462	Ant1	1	Reference Level	5.50	Pass

802.11g	2462	Ant1	2	Band Edge	-46.65	Pass
802.11g	2462	Ant1	3	30MHz~2310MHz	-57.33	Pass
802.11g	2462	Ant1	4	2500MHz~5000MHz	-55.45	Pass
802.11g	2462	Ant1	5	5000MHz~25000MHz	-41.28	Pass
802.11n (HT20)	2412	Ant0	1	Reference Level	4.11	Pass
802.11n (HT20)	2412	Ant0	2	Band Edge	-30.70	Pass
802.11n (HT20)	2412	Ant0	3	30MHz~2310MHz	-56.95	Pass
802.11n (HT20)	2412	Ant0	4	2500MHz~5000MHz	-54.56	Pass
802.11n (HT20)	2412	Ant0	5	5000MHz~25000MHz	-41.54	Pass
802.11n (HT20)	2412	Ant1	1	Reference Level	4.23	Pass
802.11n (HT20)	2412	Ant1	2	Band Edge	-31.65	Pass
802.11n (HT20)	2412	Ant1	3	30MHz~2310MHz	-56.34	Pass
802.11n (HT20)	2412	Ant1	4	2500MHz~5000MHz	-54.85	Pass
802.11n (HT20)	2412	Ant1	5	5000MHz~25000MHz	-41.51	Pass
802.11n (HT20)	2437	Ant0	1	Reference Level	4.37	Pass
802.11n (HT20)	2437	Ant0	2	Band Edge	-54.91	Pass
802.11n (HT20)	2437	Ant0	3	30MHz~2310MHz	-55.47	Pass
802.11n (HT20)	2437	Ant0	4	2500MHz~5000MHz	-55.11	Pass
802.11n (HT20)	2437	Ant0	5	5000MHz~25000MHz	-41.76	Pass
802.11n (HT20)	2437	Ant1	1	Reference Level	4.20	Pass
802.11n (HT20)	2437	Ant1	2	Band Edge	-53.69	Pass
802.11n (HT20)	2437	Ant1	3	30MHz~2310MHz	-56.47	Pass
802.11n (HT20)	2437	Ant1	4	2500MHz~5000MHz	-54.46	Pass
802.11n (HT20)	2437	Ant1	5	5000MHz~25000MHz	-41.72	Pass

802.11n (HT20)	2462	Ant0	1	Reference Level	4.02	Pass
802.11n (HT20)	2462	Ant0	2	Band Edge	-45.51	Pass
802.11n (HT20)	2462	Ant0	3	30MHz~2310MHz	-57.77	Pass
802.11n (HT20)	2462	Ant0	4	2500MHz~5000MHz	-55.81	Pass
802.11n (HT20)	2462	Ant0	5	5000MHz~25000MHz	-40.96	Pass
802.11n (HT20)	2462	Ant1	1	Reference Level	4.37	Pass
802.11n (HT20)	2462	Ant1	2	Band Edge	-47.33	Pass
802.11n (HT20)	2462	Ant1	3	30MHz~2310MHz	-57.84	Pass
802.11n (HT20)	2462	Ant1	4	2500MHz~5000MHz	-54.78	Pass
802.11n (HT20)	2462	Ant1	5	5000MHz~25000MHz	-42.08	Pass
802.11n (HT40)	2422	Ant0	1	Reference Level	1.02	Pass
802.11n (HT40)	2422	Ant0	2	Band Edge	-30.65	Pass
802.11n (HT40)	2422	Ant0	3	30MHz~2310MHz	-56.86	Pass
802.11n (HT40)	2422	Ant0	4	2500MHz~5000MHz	-55.39	Pass
802.11n (HT40)	2422	Ant0	5	5000MHz~25000MHz	-41.27	Pass
802.11n (HT40)	2422	Ant1	1	Reference Level	1.01	Pass
802.11n (HT40)	2422	Ant1	2	Band Edge	-32.17	Pass
802.11n (HT40)	2422	Ant1	3	30MHz~2310MHz	-57.15	Pass
802.11n (HT40)	2422	Ant1	4	2500MHz~5000MHz	-54.64	Pass
802.11n (HT40)	2422	Ant1	5	5000MHz~25000MHz	-41.36	Pass
802.11n (HT40)	2437	Ant0	1	Reference Level	1.18	Pass
802.11n (HT40)	2437	Ant0	2	Band Edge	-36.57	Pass
802.11n (HT40)	2437	Ant0	3	30MHz~2310MHz	-49.71	Pass

802.11n (HT40)	2437	Ant0	4	2500MHz~5000MHz	-55.34	Pass
802.11n (HT40)	2437	Ant0	5	5000MHz~25000MHz	-41.76	Pass
802.11n (HT40)	2437	Ant1	1	Reference Level	1.02	Pass
802.11n (HT40)	2437	Ant1	2	Band Edge	-38.75	Pass
802.11n (HT40)	2437	Ant1	3	30MHz~2310MHz	-57.49	Pass
802.11n (HT40)	2437	Ant1	4	2500MHz~5000MHz	-54.92	Pass
802.11n (HT40)	2437	Ant1	5	5000MHz~25000MHz	-41.64	Pass
802.11n (HT40)	2452	Ant0	1	Reference Level	1.14	Pass
802.11n (HT40)	2452	Ant0	2	Band Edge	-32.25	Pass
802.11n (HT40)	2452	Ant0	3	30MHz~2310MHz	-57.23	Pass
802.11n (HT40)	2452	Ant0	4	2500MHz~5000MHz	-47.19	Pass
802.11n (HT40)	2452	Ant0	5	5000MHz~25000MHz	-41.75	Pass
802.11n (HT40)	2452	Ant1	1	Reference Level	1.09	Pass
802.11n (HT40)	2452	Ant1	2	Band Edge	-37.25	Pass
802.11n (HT40)	2452	Ant1	3	30MHz~2310MHz	-57.58	Pass
802.11n (HT40)	2452	Ant1	4	2500MHz~5000MHz	-54.84	Pass
802.11n (HT40)	2452	Ant1	5	5000MHz~25000MHz	-41.33	Pass

9.2 Test Plots

