

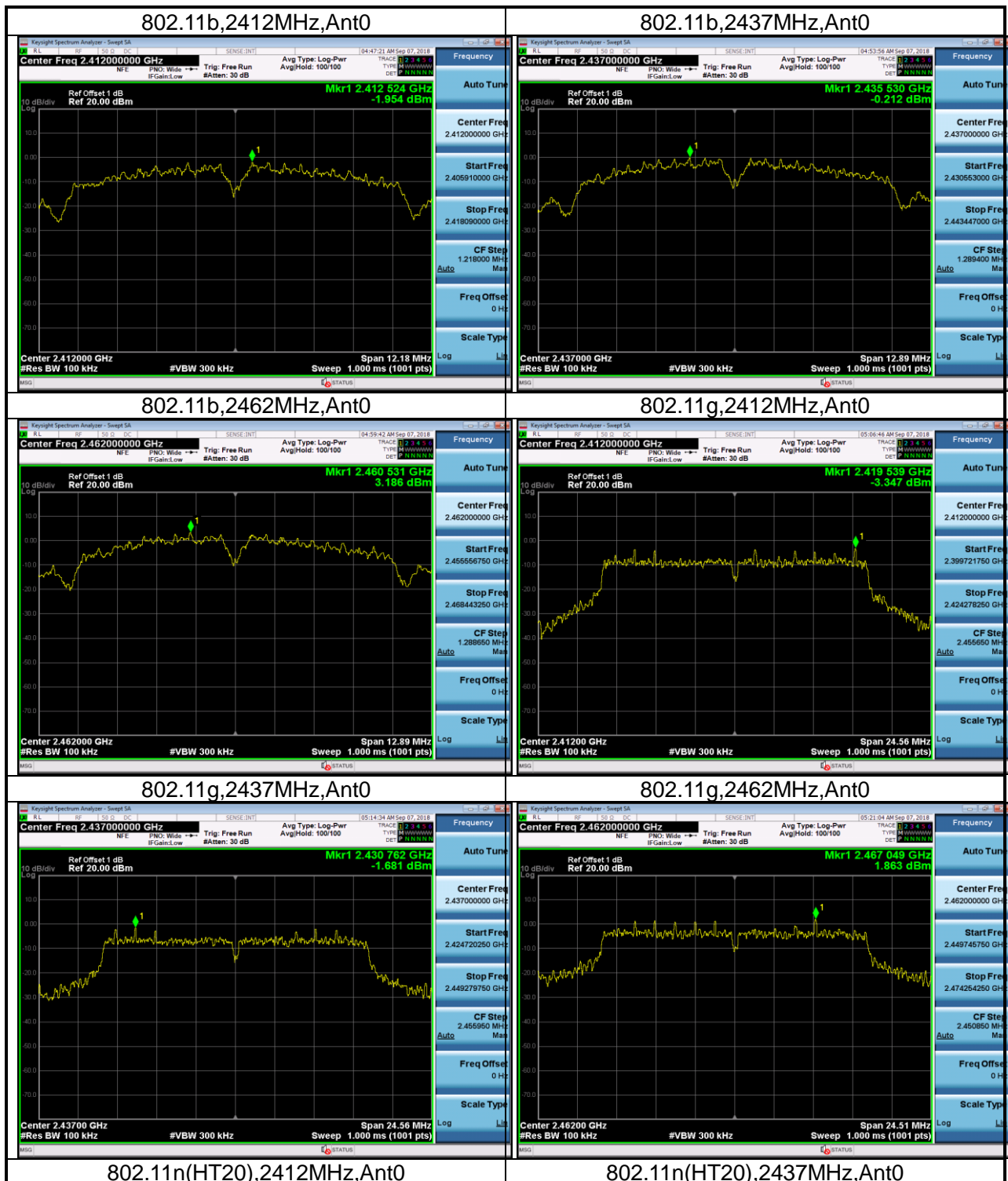
TEST REPORT

5. Power spectrum density

5.1 Test Data

WLAN AVGSA Power Spectral Density							
Mode	Test Frequency (MHz)	Ant	Duty Cycle Factor (dB)	PSD (dBm)	RBW (kHz)	Limit (dBm)	Result
802.11b	2412	Ant0	3.16	1.906	100	8	Pass
802.11b	2437	Ant0	3.16	3.648	100	8	Pass
802.11b	2462	Ant0	3.08	6.966	100	8	Pass
802.11g	2412	Ant0	3.16	0.513	100	8	Pass
802.11g	2437	Ant0	3.19	2.209	100	8	Pass
802.11g	2462	Ant0	3.12	5.683	100	8	Pass
802.11n (HT20)	2412	Ant0	3.27	0.609	100	8	Pass
802.11n (HT20)	2437	Ant0	0.58	2.049	100	8	Pass
802.11n (HT20)	2462	Ant0	0.58	2.281	100	8	Pass
802.11n (HT40)	2422	Ant0	0.63	-3.772	100	8	Pass
802.11n (HT40)	2437	Ant0	0.56	-1.261	100	8	Pass
802.11n (HT40)	2452	Ant0	0.55	-4.16	100	8	Pass

5.2 Test Plots





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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	-1.74	Pass
802.11b	2412	Ant0	2	Band Edge	-50.38	Pass
802.11b	2412	Ant0	3	30MHz~2310MHz	-55.08	Pass
802.11b	2412	Ant0	4	2500MHz~5000MHz	-33.80	Pass
802.11b	2412	Ant0	5	5000MHz~25000MHz	-43.54	Pass
802.11b	2437	Ant0	1	Reference Level	0.15	Pass
802.11b	2437	Ant0	2	Band Edge	-51.84	Pass
802.11b	2437	Ant0	3	30MHz~2310MHz	-53.52	Pass
802.11b	2437	Ant0	4	2500MHz~5000MHz	-29.34	Pass
802.11b	2437	Ant0	5	5000MHz~25000MHz	-43.37	Pass
802.11b	2462	Ant0	1	Reference Level	3.15	Pass
802.11b	2462	Ant0	2	Band Edge	-40.24	Pass
802.11b	2462	Ant0	3	30MHz~2310MHz	-52.52	Pass
802.11b	2462	Ant0	4	2500MHz~5000MHz	-23.32	Pass
802.11b	2462	Ant0	5	5000MHz~25000MHz	-42.28	Pass
802.11g	2412	Ant0	1	Reference Level	-3.38	Pass
802.11g	2412	Ant0	2	Band Edge	-32.70	Pass
802.11g	2412	Ant0	3	30MHz~2310MHz	-55.32	Pass
802.11g	2412	Ant0	4	2500MHz~5000MHz	-38.91	Pass
802.11g	2412	Ant0	5	5000MHz~25000MHz	-42.89	Pass
802.11g	2437	Ant0	1	Reference Level	-1.40	Pass
802.11g	2437	Ant0	2	Band Edge	-46.96	Pass
802.11g	2437	Ant0	3	30MHz~2310MHz	-54.20	Pass
802.11g	2437	Ant0	4	2500MHz~5000MHz	-38.00	Pass
802.11g	2437	Ant0	5	5000MHz~25000MHz	-43.36	Pass
802.11g	2462	Ant0	1	Reference Level	1.90	Pass

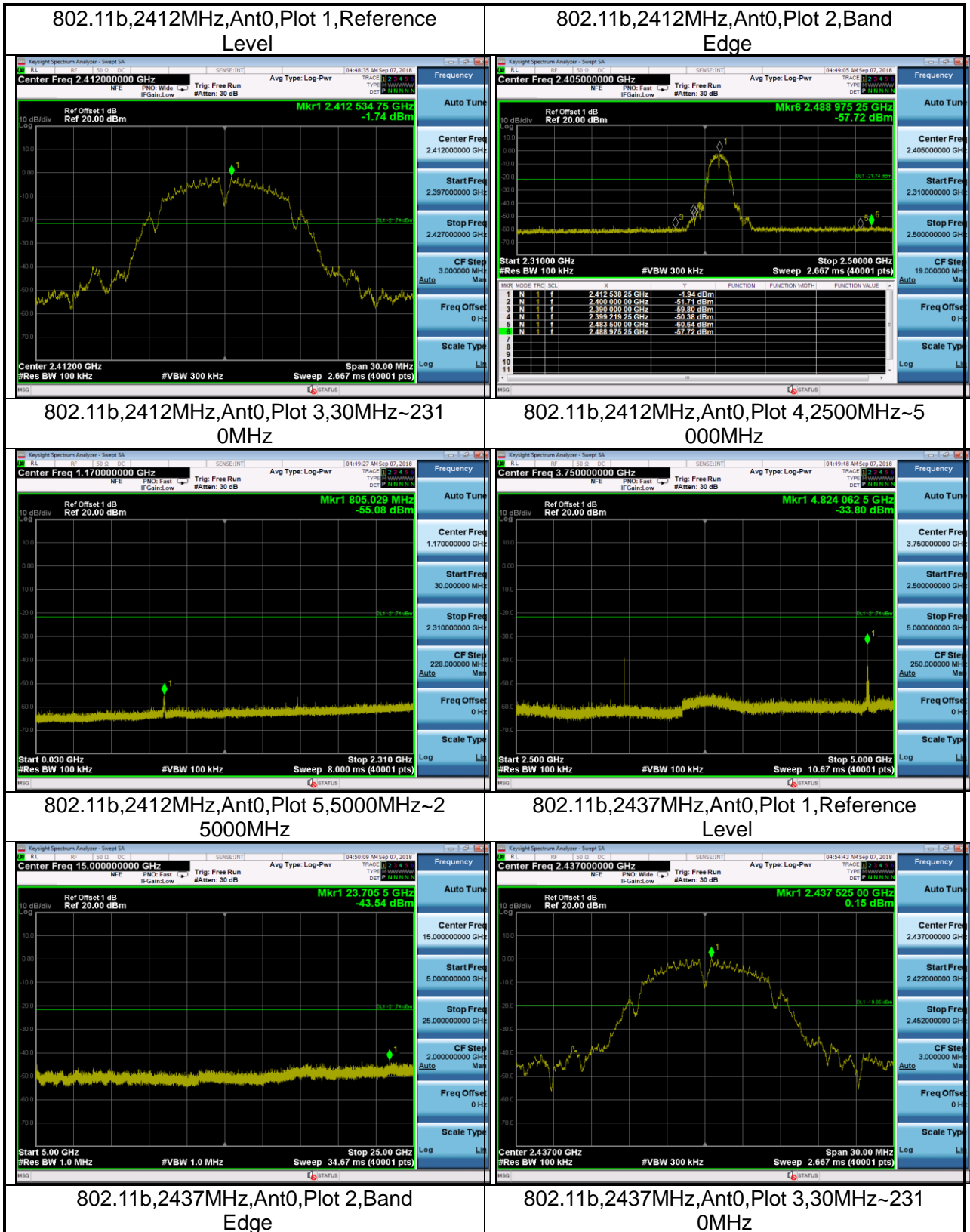
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802.11g	2462	Ant0	2	Band Edge	-28.67	Pass
802.11g	2462	Ant0	3	30MHz~2310MHz	-54.65	Pass
802.11g	2462	Ant0	4	2500MHz~5000MHz	-34.04	Pass
802.11g	2462	Ant0	5	5000MHz~25000MHz	-39.45	Pass
802.11n (HT20)	2412	Ant0	1	Reference Level	-3.41	Pass
802.11n (HT20)	2412	Ant0	2	Band Edge	-34.41	Pass
802.11n (HT20)	2412	Ant0	3	30MHz~2310MHz	-54.92	Pass
802.11n (HT20)	2412	Ant0	4	2500MHz~5000MHz	-39.01	Pass
802.11n (HT20)	2412	Ant0	5	5000MHz~25000MHz	-43.24	Pass
802.11n (HT20)	2437	Ant0	1	Reference Level	0.88	Pass
802.11n (HT20)	2437	Ant0	2	Band Edge	-44.59	Pass
802.11n (HT20)	2437	Ant0	3	30MHz~2310MHz	-53.83	Pass
802.11n (HT20)	2437	Ant0	4	2500MHz~5000MHz	-34.44	Pass
802.11n (HT20)	2437	Ant0	5	5000MHz~25000MHz	-40.81	Pass
802.11n (HT20)	2462	Ant0	1	Reference Level	1.38	Pass
802.11n (HT20)	2462	Ant0	2	Band Edge	-31.72	Pass
802.11n (HT20)	2462	Ant0	3	30MHz~2310MHz	-52.60	Pass
802.11n (HT20)	2462	Ant0	4	2500MHz~5000MHz	-31.79	Pass
802.11n (HT20)	2462	Ant0	5	5000MHz~25000MHz	-40.70	Pass
802.11n (HT40)	2422	Ant0	1	Reference Level	-5.12	Pass
802.11n (HT40)	2422	Ant0	2	Band Edge	-32.40	Pass
802.11n (HT40)	2422	Ant0	3	30MHz~2310MHz	-56.52	Pass
802.11n (HT40)	2422	Ant0	4	2500MHz~5000MHz	-39.47	Pass
802.11n (HT40)	2422	Ant0	5	5000MHz~25000MHz	-43.37	Pass
802.11n (HT40)	2437	Ant0	1	Reference Level	-2.47	Pass
802.11n (HT40)	2437	Ant0	2	Band Edge	-30.47	Pass
802.11n (HT40)	2437	Ant0	3	30MHz~2310MHz	-49.88	Pass

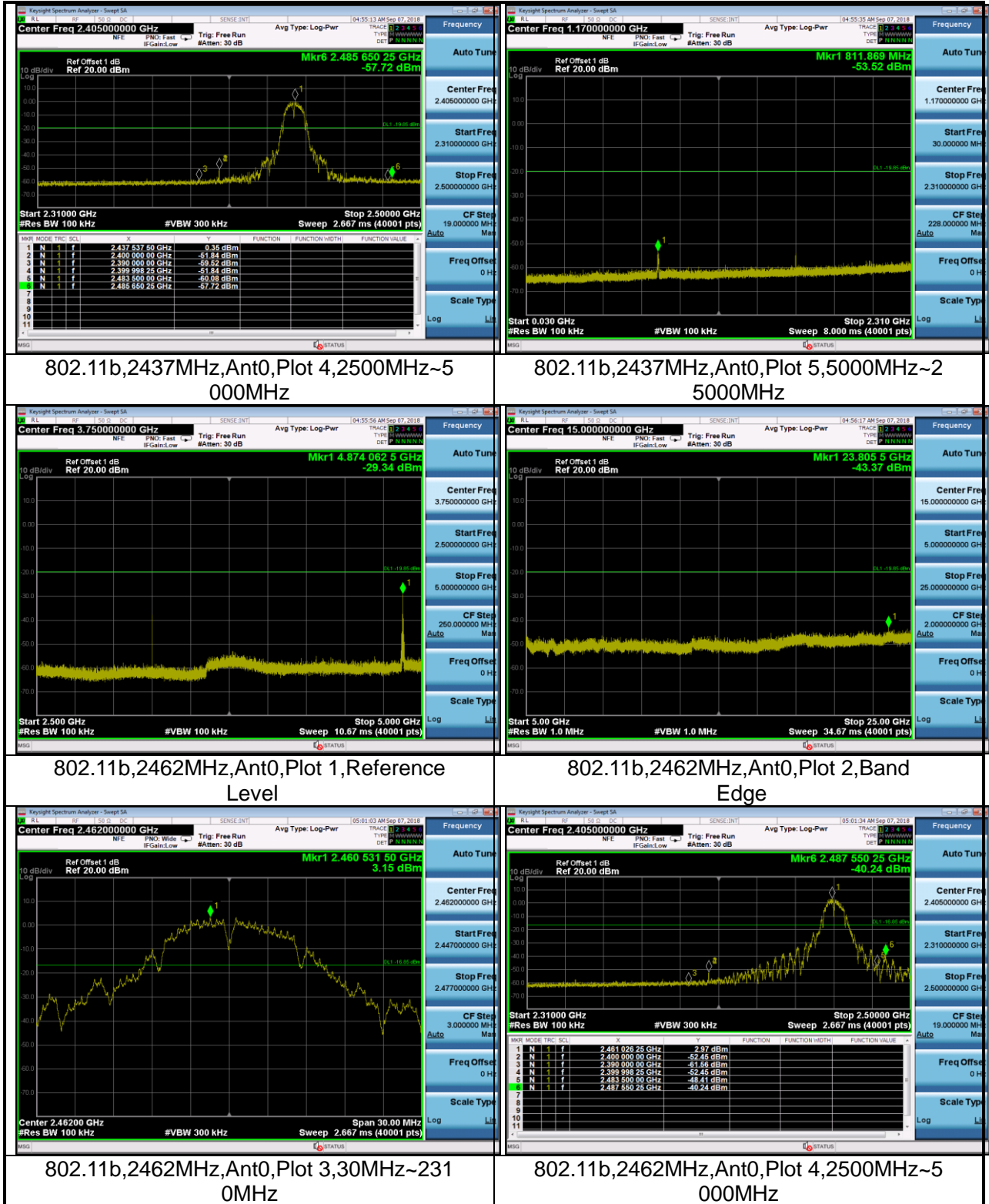
TEST REPORT

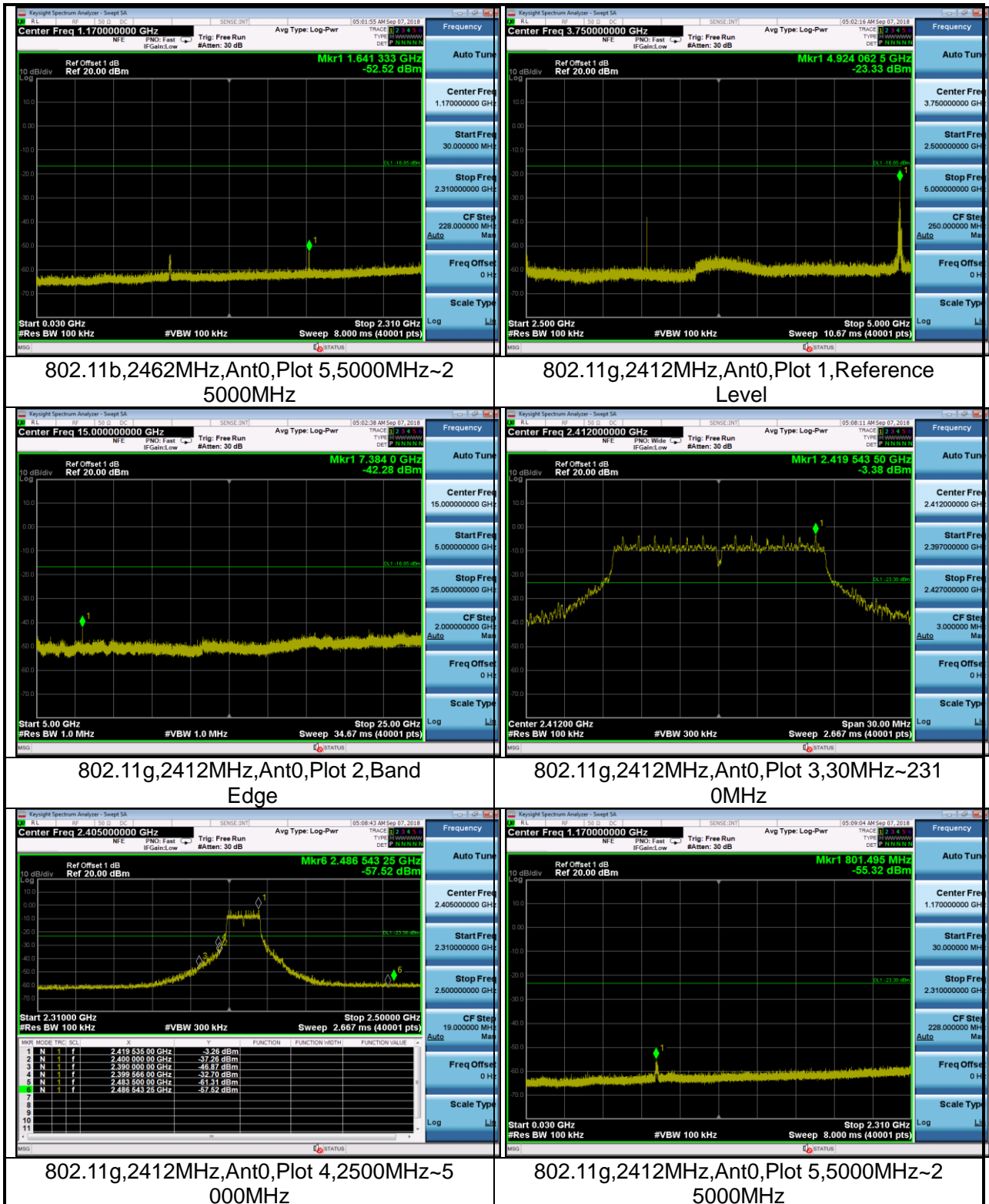
802.11n (HT40)	2437	Ant0	4	2500MHz~5000MHz	-34.57	Pass
802.11n (HT40)	2437	Ant0	5	5000MHz~25000MHz	-41.96	Pass
802.11n (HT40)	2452	Ant0	1	Reference Level	-4.89	Pass
802.11n (HT40)	2452	Ant0	2	Band Edge	-35.18	Pass
802.11n (HT40)	2452	Ant0	3	30MHz~2310MHz	-56.43	Pass
802.11n (HT40)	2452	Ant0	4	2500MHz~5000MHz	-39.09	Pass
802.11n (HT40)	2452	Ant0	5	5000MHz~25000MHz	-43.27	Pass

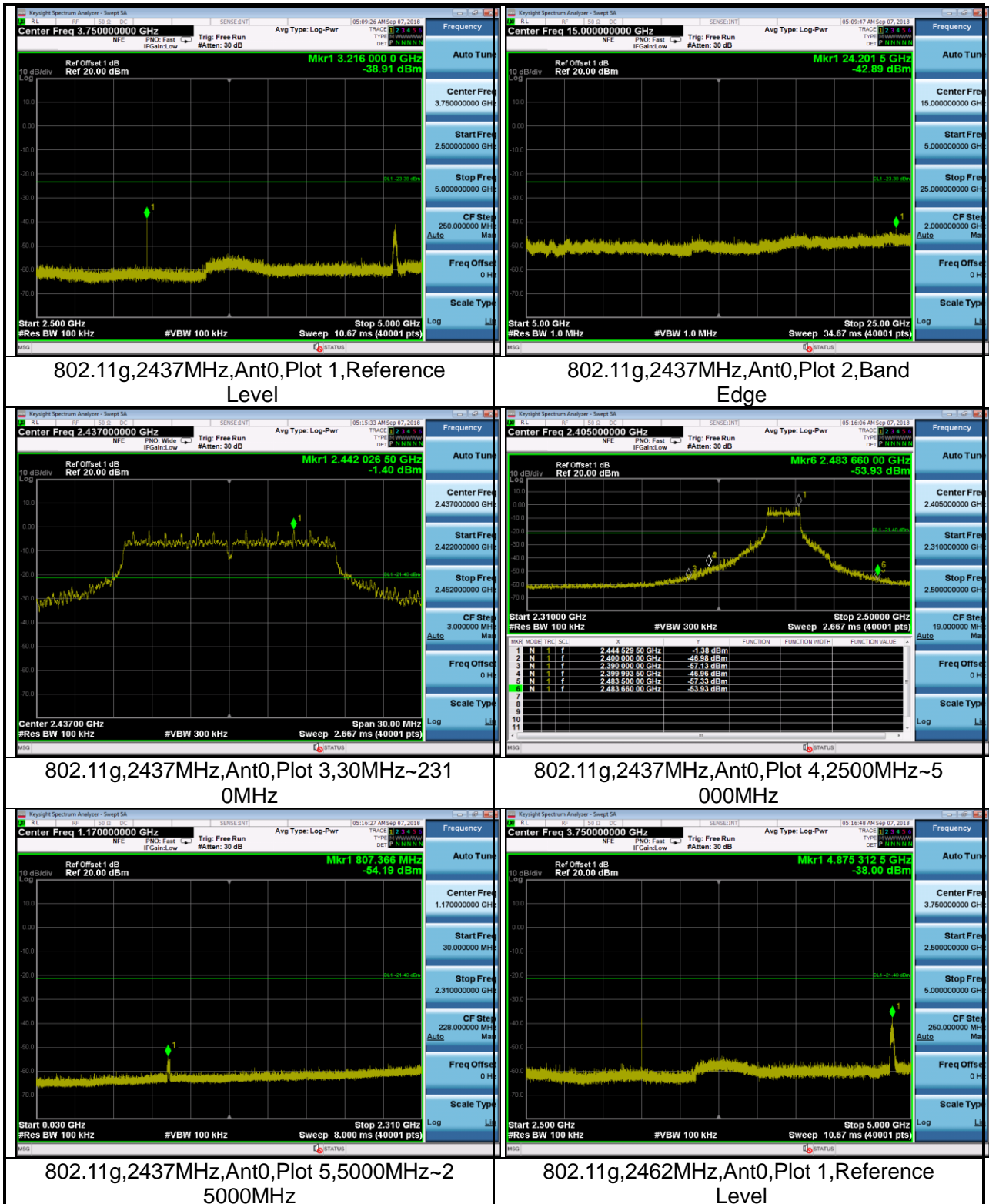
6.2 Test Plots



TEST REPORT







802.11g,2437MHz,Ant0,Plot 1,Reference Level

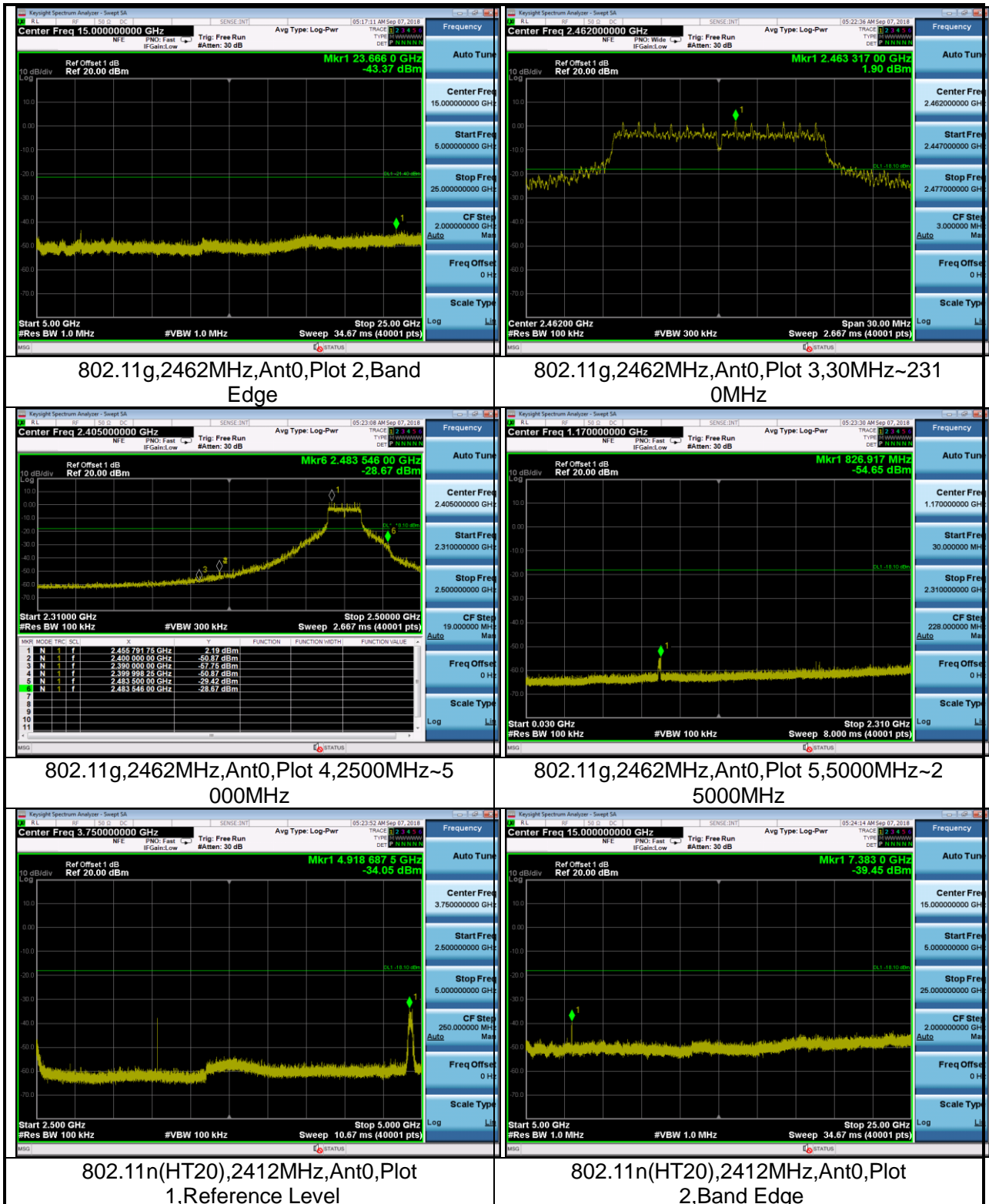
802.11g,2437MHz,Ant0,Plot 2,Band Edge

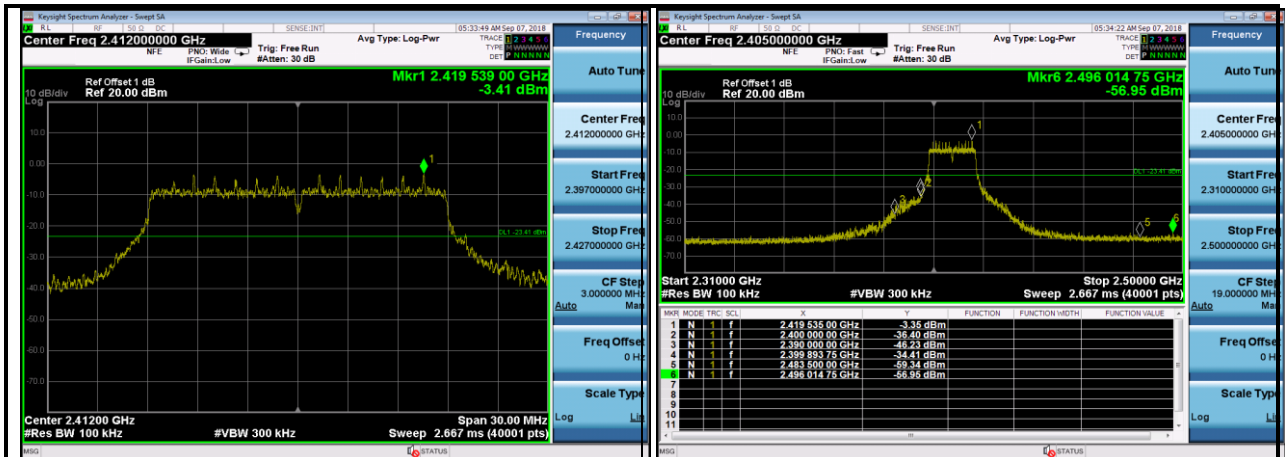
802.11g,2437MHz,Ant0,Plot 3,30MHz~231 0MHz

802.11g,2437MHz,Ant0,Plot 4,2500MHz~5 000MHz

802.11g,2437MHz,Ant0,Plot 5,5000MHz~2 5000MHz

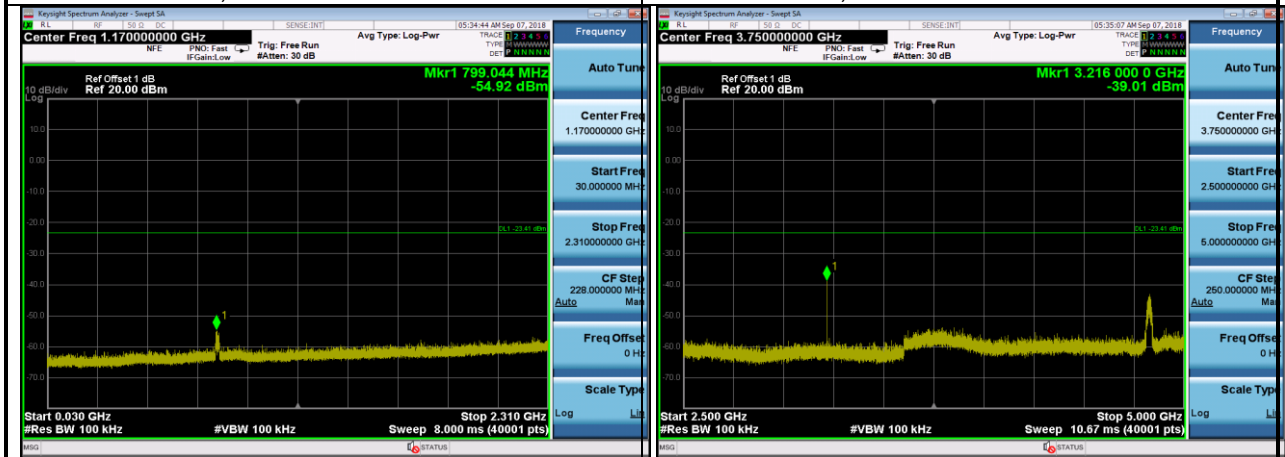
802.11g,2462MHz,Ant0,Plot 1,Reference Level





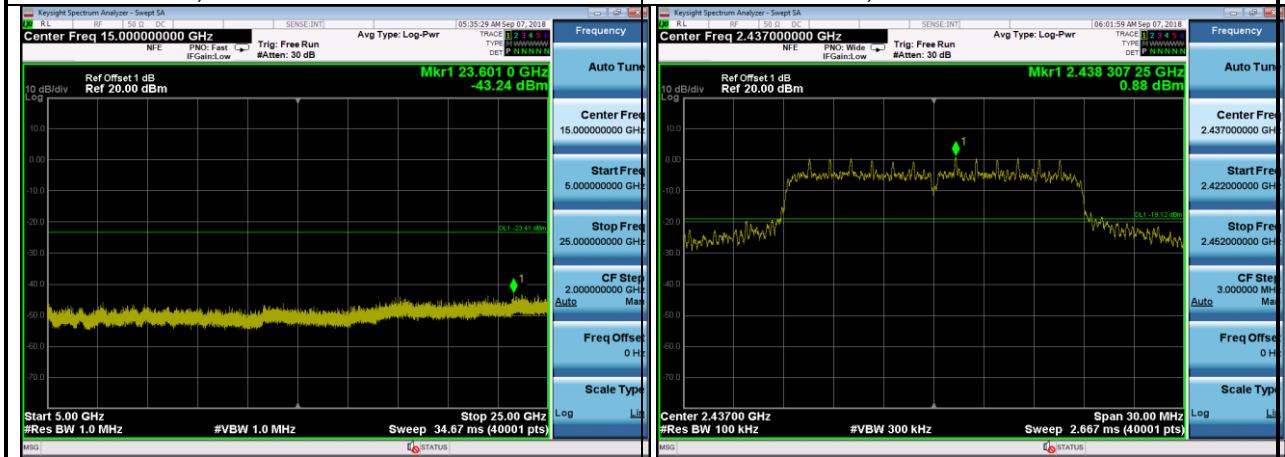
802.11n(HT20),2412MHz,Ant0,Plot 3,30MHz~2310MHz

802.11n(HT20),2412MHz,Ant0,Plot 4,2500MHz~5000MHz



802.11n(HT20),2412MHz,Ant0,Plot 5,5000MHz~25000MHz

802.11n(HT20),2437MHz,Ant0,Plot 1,Reference Level



802.11n(HT20),2437MHz,Ant0,Plot 2,Band Edge

802.11n(HT20),2437MHz,Ant0,Plot 3,30MHz~2310MHz