

TEST REPORT

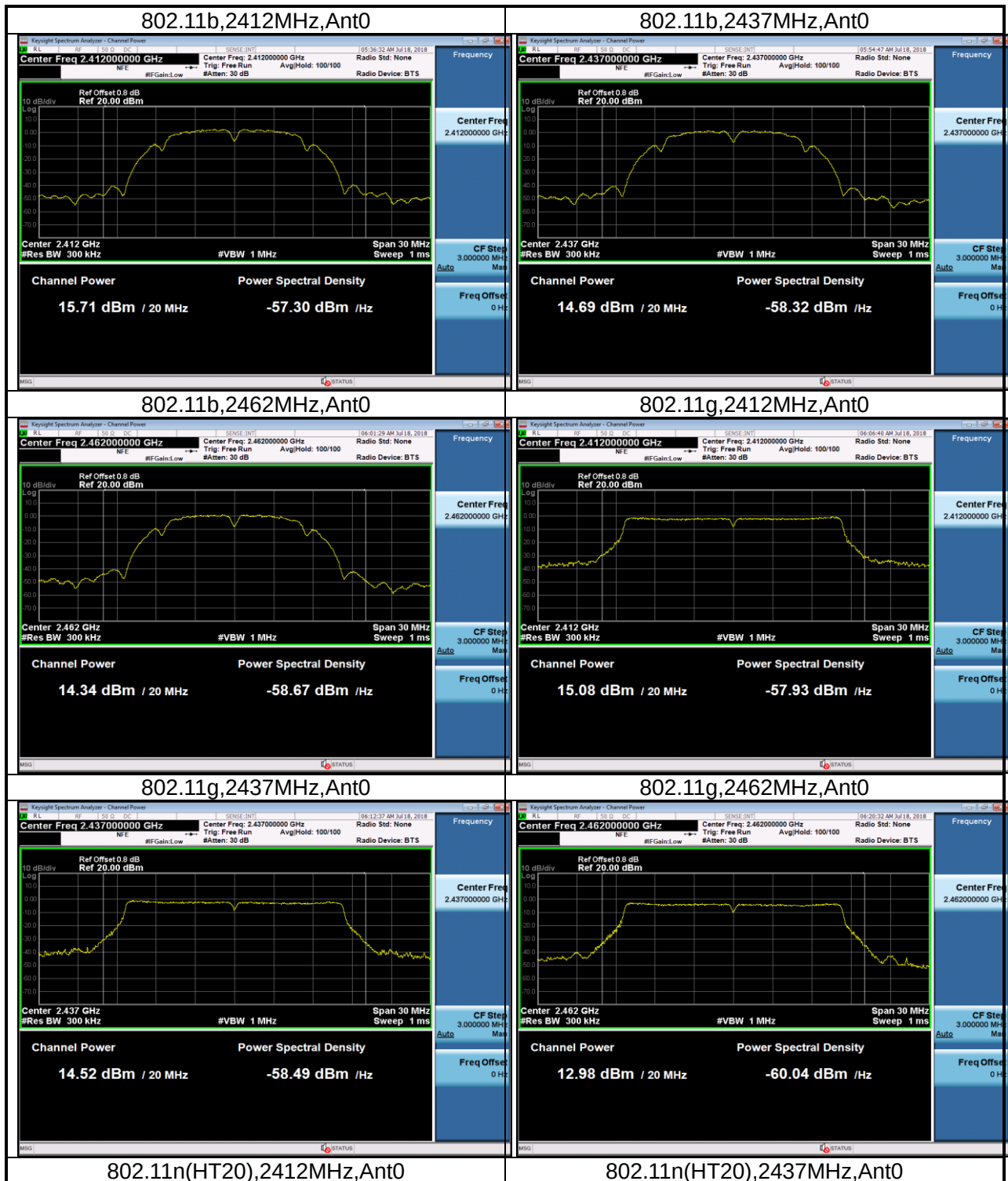
4. Maximum conducted output power and e.i.r.p

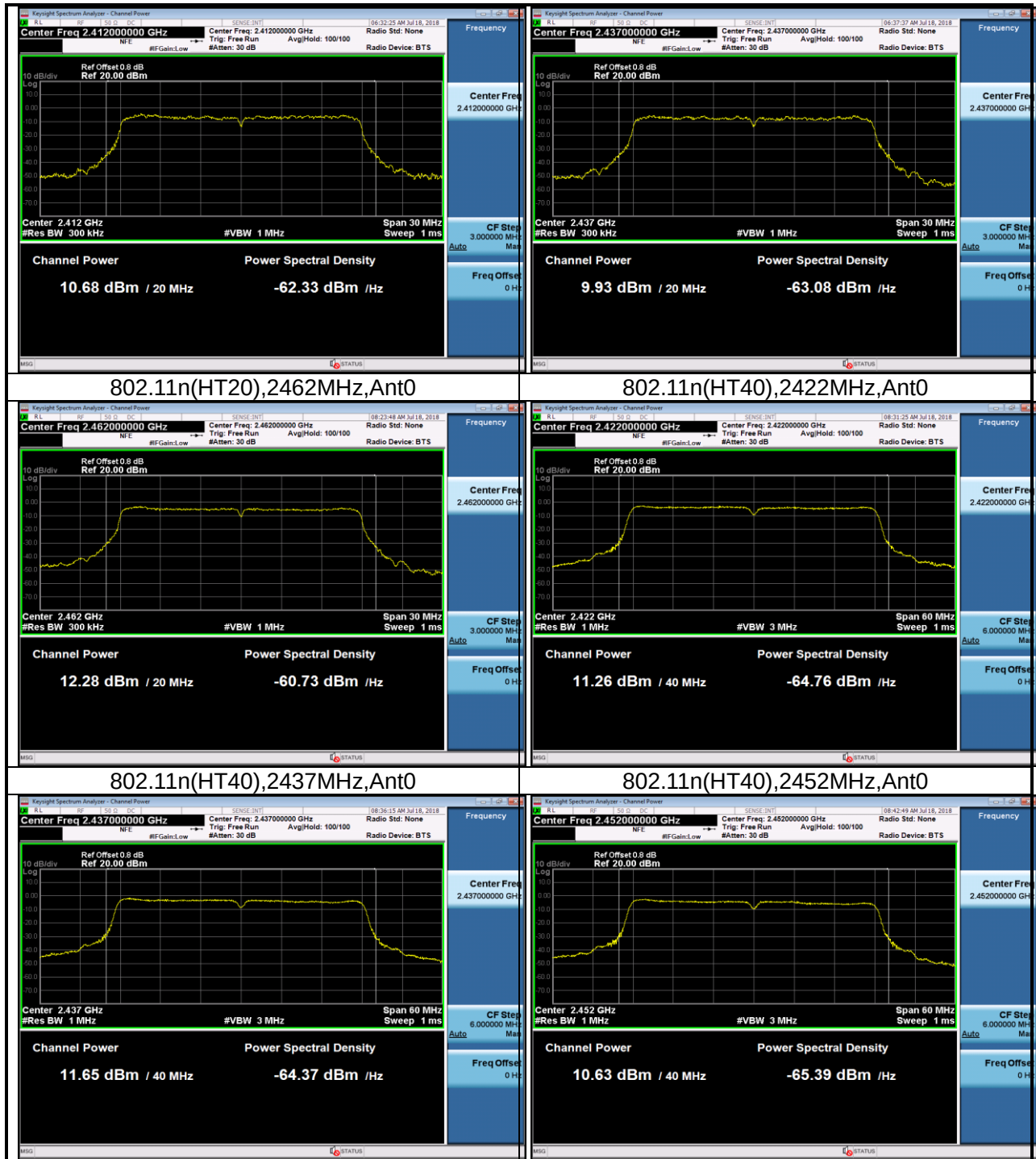
4.1 Test Data

WLAN AVGSA Output Power							
Mode	Test Frequency (MHz)	Ant	Duty Cycle Factor (dB)	Max Power (dBm)	Limit (dBm)	EIRP (dBm)	Result
802.11b	2412	Ant0	0.10	15.81	30	17.81	Pass
802.11b	2437	Ant0	0.10	14.79	30	16.79	Pass
802.11b	2462	Ant0	0.10	14.44	30	16.44	Pass
802.11g	2412	Ant0	0.57	15.65	30	17.65	Pass
802.11g	2437	Ant0	0.57	15.09	30	17.09	Pass
802.11g	2462	Ant0	0.57	13.55	30	15.55	Pass
802.11n (HT20)	2412	Ant0	3.38	14.06	30	16.06	Pass
802.11n (HT20)	2437	Ant0	3.38	13.31	30	15.31	Pass
802.11n (HT20)	2462	Ant0	0.60	12.88	30	14.88	Pass
802.11n (HT40)	2422	Ant0	1.13	12.39	30	14.39	Pass
802.11n (HT40)	2437	Ant0	1.13	12.78	30	14.78	Pass
802.11n (HT40)	2452	Ant0	1.13	11.76	30	13.76	Pass

Max conducted output power (dBm)	Max antenna gain (dBi)	Max e.i.r.p. (W)	Limit (W)	Result
15.81	2	0.060	4	Pass

4.2 Test Plots





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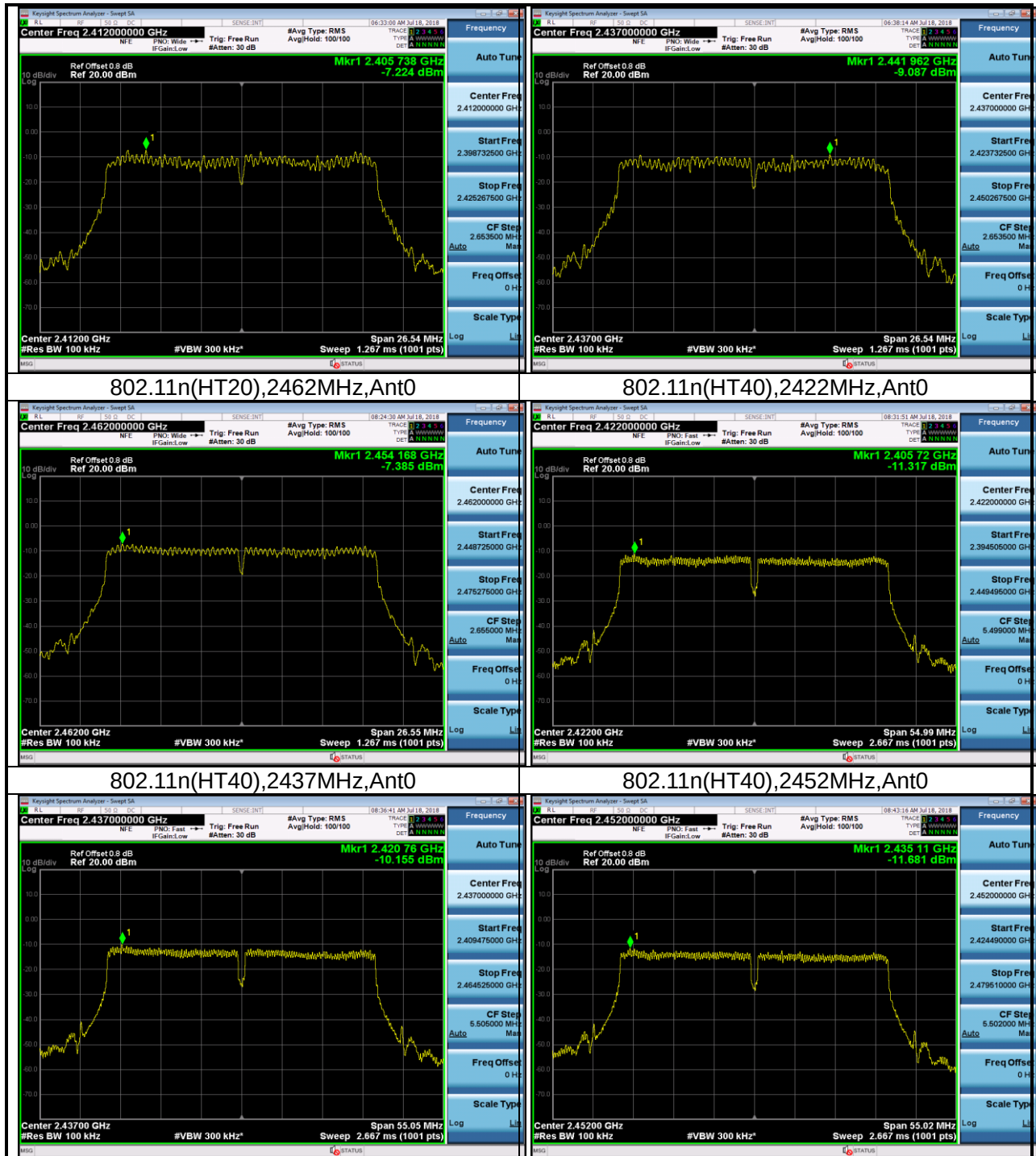
5. Power spectrum density

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	0.10	-1.769	100	8	Pass
802.11b	2437	Ant0	0.10	-2.832	100	8	Pass
802.11b	2462	Ant0	0.10	-3.016	100	8	Pass
802.11g	2412	Ant0	0.57	-3.454	100	8	Pass
802.11g	2437	Ant0	0.57	-4.056	100	8	Pass
802.11g	2462	Ant0	0.57	-4.831	100	8	Pass
802.11n (HT20)	2412	Ant0	3.38	-3.844	100	8	Pass
802.11n (HT20)	2437	Ant0	3.38	-5.707	100	8	Pass
802.11n (HT20)	2462	Ant0	0.60	-6.785	100	8	Pass
802.11n (HT40)	2422	Ant0	1.13	-10.187	100	8	Pass
802.11n (HT40)	2437	Ant0	1.13	-9.025	100	8	Pass
802.11n (HT40)	2452	Ant0	1.13	-10.551	100	8	Pass

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	5.08	Pass
802.11b	2412	Ant0	2	Band Edge	-44.05	Pass
802.11b	2412	Ant0	3	30MHz~2310MHz	-44.49	Pass
802.11b	2412	Ant0	4	2500MHz~5000MHz	-46.76	Pass
802.11b	2412	Ant0	5	5000MHz~25000MHz	-44.15	Pass
802.11b	2437	Ant0	1	Reference Level	4.31	Pass
802.11b	2437	Ant0	2	Band Edge	-55.43	Pass
802.11b	2437	Ant0	3	30MHz~2310MHz	-47.89	Pass
802.11b	2437	Ant0	4	2500MHz~5000MHz	-49.16	Pass
802.11b	2437	Ant0	5	5000MHz~25000MHz	-43.55	Pass
802.11b	2462	Ant0	1	Reference Level	3.9	Pass
802.11b	2462	Ant0	2	Band Edge	-54.74	Pass
802.11b	2462	Ant0	3	30MHz~2310MHz	-48.18	Pass
802.11b	2462	Ant0	4	2500MHz~5000MHz	-49.45	Pass
802.11b	2462	Ant0	5	5000MHz~25000MHz	-44.53	Pass
802.11g	2412	Ant0	1	Reference Level	4.41	Pass
802.11g	2412	Ant0	2	Band Edge	-26.23	Pass
802.11g	2412	Ant0	3	30MHz~2310MHz	-47.65	Pass
802.11g	2412	Ant0	4	2500MHz~5000MHz	-53.45	Pass
802.11g	2412	Ant0	5	5000MHz~25000MHz	-42.68	Pass
802.11g	2437	Ant0	1	Reference Level	3.78	Pass
802.11g	2437	Ant0	2	Band Edge	-52.53	Pass
802.11g	2437	Ant0	3	30MHz~2310MHz	-47.59	Pass
802.11g	2437	Ant0	4	2500MHz~5000MHz	-53.22	Pass
802.11g	2437	Ant0	5	5000MHz~25000MHz	-44.11	Pass

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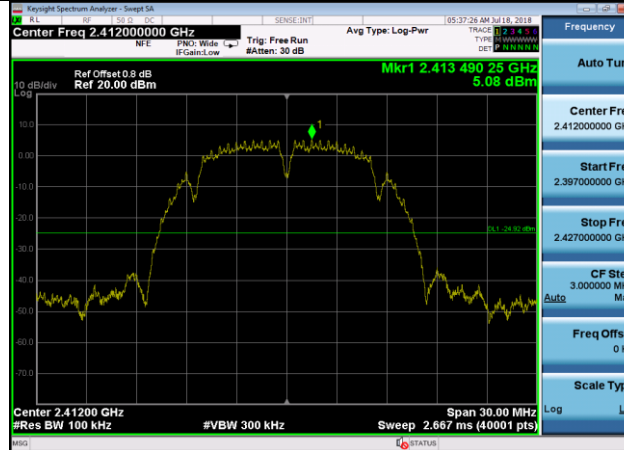
802.11g	2462	Ant0	1	Reference Level	2.51	Pass
802.11g	2462	Ant0	2	Band Edge	-44.17	Pass
802.11g	2462	Ant0	3	30MHz~2310MHz	-47.65	Pass
802.11g	2462	Ant0	4	2500MHz~5000MHz	-54.43	Pass
802.11g	2462	Ant0	5	5000MHz~25000MHz	-44.32	Pass
802.11n (HT20)	2412	Ant0	1	Reference Level	2.97	Pass
802.11n (HT20)	2412	Ant0	2	Band Edge	-36.69	Pass
802.11n (HT20)	2412	Ant0	3	30MHz~2310MHz	-47.69	Pass
802.11n (HT20)	2412	Ant0	4	2500MHz~5000MHz	-54.29	Pass
802.11n (HT20)	2412	Ant0	5	5000MHz~25000MHz	-44.14	Pass
802.11n (HT20)	2437	Ant0	1	Reference Level	2.32	Pass
802.11n (HT20)	2437	Ant0	2	Band Edge	-55.57	Pass
802.11n (HT20)	2437	Ant0	3	30MHz~2310MHz	-47.98	Pass
802.11n (HT20)	2437	Ant0	4	2500MHz~5000MHz	-52.40	Pass
802.11n (HT20)	2437	Ant0	5	5000MHz~25000MHz	-44.51	Pass
802.11n (HT20)	2462	Ant0	1	Reference Level	1.56	Pass
802.11n (HT20)	2462	Ant0	2	Band Edge	-51.65	Pass
802.11n (HT20)	2462	Ant0	3	30MHz~2310MHz	-48.26	Pass
802.11n (HT20)	2462	Ant0	4	2500MHz~5000MHz	-54.20	Pass
802.11n (HT20)	2462	Ant0	5	5000MHz~25000MHz	-44.39	Pass
802.11n (HT40)	2422	Ant0	1	Reference Level	-1.34	Pass
802.11n (HT40)	2422	Ant0	2	Band Edge	-37.33	Pass
802.11n (HT40)	2422	Ant0	3	30MHz~2310MHz	-48.11	Pass
802.11n (HT40)	2422	Ant0	4	2500MHz~5000MHz	-53.74	Pass
802.11n (HT40)	2422	Ant0	5	5000MHz~25000MHz	-44.01	Pass
802.11n (HT40)	2437	Ant0	1	Reference Level	-0.42	Pass
802.11n (HT40)	2437	Ant0	2	Band Edge	-43.29	Pass

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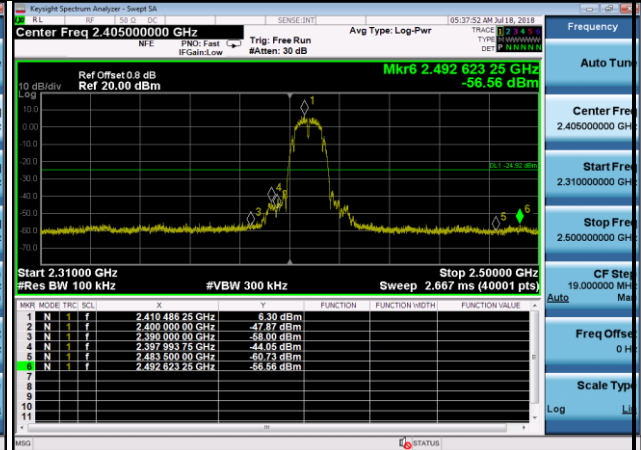
802.11n (HT40)	2437	Ant0	3	30MHz~2310MHz	-48.20	Pass
802.11n (HT40)	2437	Ant0	4	2500MHz~5000MHz	-54.36	Pass
802.11n (HT40)	2437	Ant0	5	5000MHz~25000MHz	-44.22	Pass
802.11n (HT40)	2452	Ant0	1	Reference Level	-1.58	Pass
802.11n (HT40)	2452	Ant0	2	Band Edge	-50.12	Pass
802.11n (HT40)	2452	Ant0	3	30MHz~2310MHz	-48.21	Pass
802.11n (HT40)	2452	Ant0	4	2500MHz~5000MHz	-54.54	Pass
802.11n (HT40)	2452	Ant0	5	5000MHz~25000MHz	-43.61	Pass

9.2 Test Plots

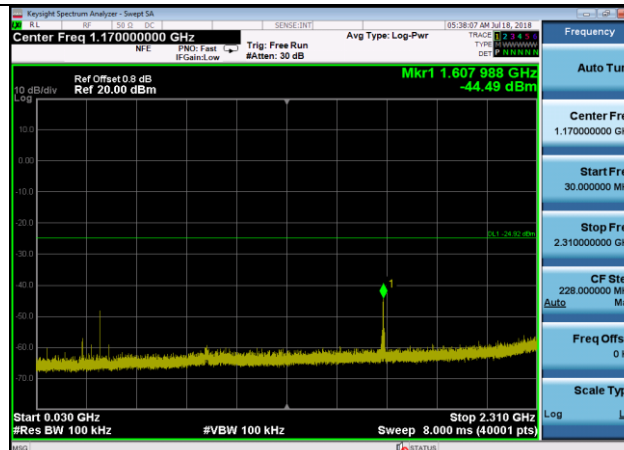
802.11b,2412MHz,Ant0,Plot 1,Reference Level



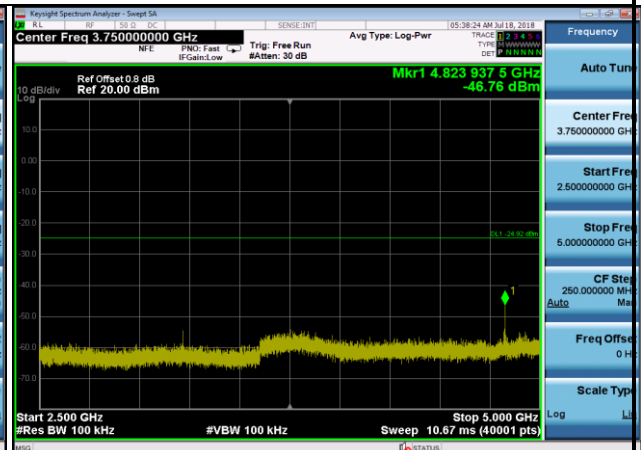
802.11b,2412MHz,Ant0,Plot 2,Band Edge



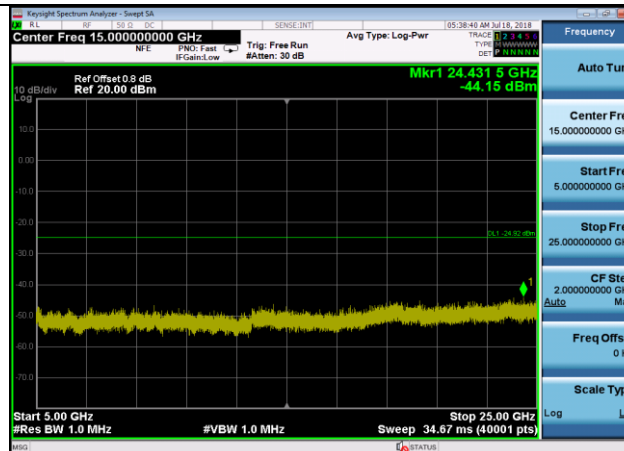
802.11b,2412MHz,Ant0,Plot 3,30MHz~2310MHz



802.11b,2412MHz,Ant0,Plot 4,2500MHz~5000MHz



802.11b,2412MHz,Ant0,Plot 5,5000MHz~25000MHz



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



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

802.11b,2437MHz,Ant0,Plot 3,30MHz~2310MHz

