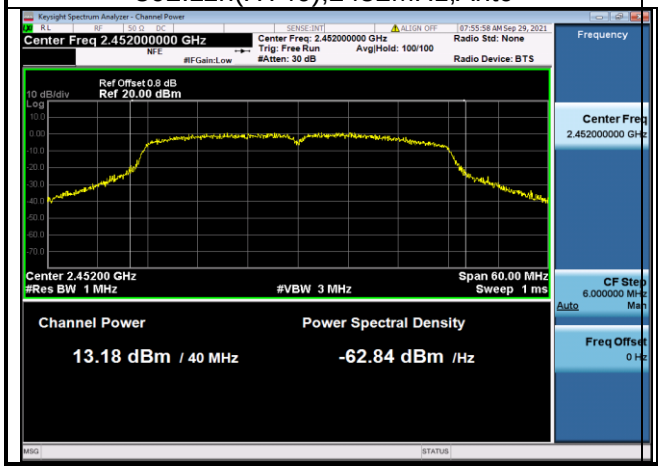
TEST REPORT

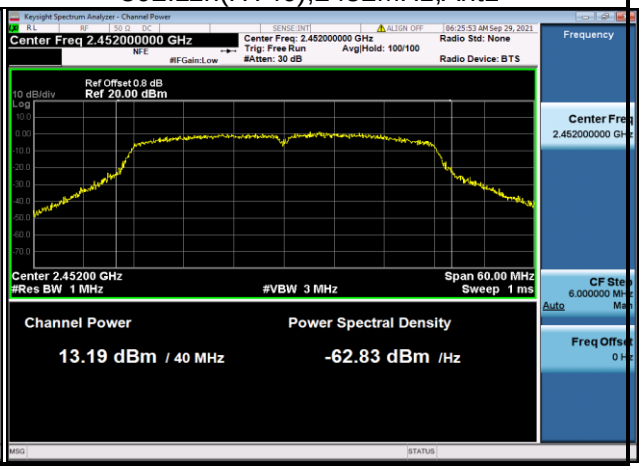
802.11n(HT40),2437MHz,Ant0

802.11n(HT40),2437MHz,Ant1

802.11n(HT40),2452MHz,Ant0

802.11n(HT40),2452MHz,Ant1





5. Power spectrum density

5.1 Test Data

WLAN AVGSA Power Spectral Density								
Mode	Test Frequency (MHz)	Ant	Duty Cycle Factor (dB)	PSD (dBm)	Total PSD (dBm)	RBW (kHz)	PSD Limit (dBm)	Result
802.11b	2412	Ant0	0.00	-23.311	-23.311	3	8	Pass
802.11b	2412	Ant1	0.00	-25.038	-25.038	3	8	Pass
802.11b	2437	Ant0	0.00	-24.064	-24.064	3	8	Pass
802.11b	2437	Ant1	0.00	-24.582	-24.582	3	8	Pass
802.11b	2462	Ant0	0.00	-23.856	-23.856	3	8	Pass
802.11b	2462	Ant1	0.00	-24.580	-24.580	3	8	Pass
802.11g	2412	Ant0	0.11	-24.580	-24.580	3	8	Pass
802.11g	2412	Ant1	0.11	-25.828	-25.828	3	8	Pass
802.11g	2437	Ant0	0.11	-24.069	-24.069	3	8	Pass
802.11g	2437	Ant1	0.11	-25.154	-25.154	3	8	Pass
802.11g	2462	Ant0	0.11	-24.820	-24.820	3	8	Pass
802.11g	2462	Ant1	0.11	-25.715	-25.715	3	8	Pass
802.11n (HT20)	2412	Ant0	0.11	-24.975	-22.781	3	8	Pass
802.11n (HT20)	2412	Ant1	0.11	-26.797				
802.11n (HT20)	2437	Ant0	0.11	-25.016	-22.343	3	8	Pass
802.11n (HT20)	2437	Ant1	0.11	-25.718				
802.11n (HT20)	2462	Ant0	0.11	-24.965	-22.368	3	8	Pass
802.11n (HT20)	2462	Ant1	0.11	-25.836				
802.11n (HT40)	2422	Ant0	0.18	-28.528	-25.746	3	8	Pass
802.11n (HT40)	2422	Ant1	0.14	-28.997				
802.11n (HT40)	2437	Ant0	0.18	-28.356	-25.381	3	8	Pass
802.11n (HT40)	2437	Ant1	0.18	-28.426				
802.11n (HT40)	2452	Ant0	0.18	-28.248	-25.546	3	8	Pass
802.11n (HT40)	2452	Ant1	0.14	-28.889				

5.2 Test Plots

802.11b,2412MHz,Ant0

802.11b,2412MHz,Ant1

802.11b,2437MHz,Ant0

802.11b,2437MHz,Ant1

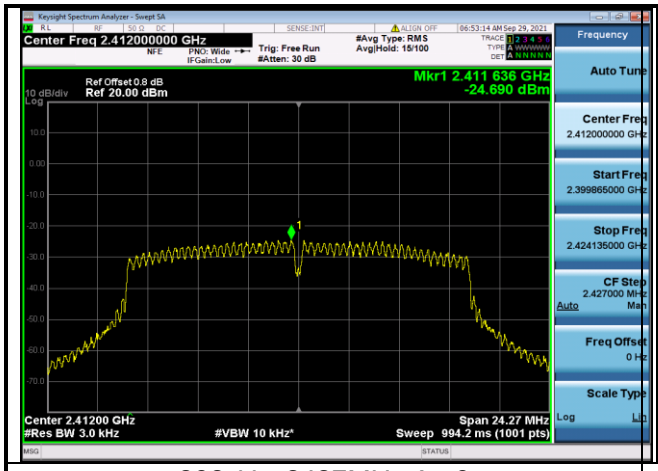
802.11b,2462MHz,Ant0

802.11b,2462MHz,Ant1

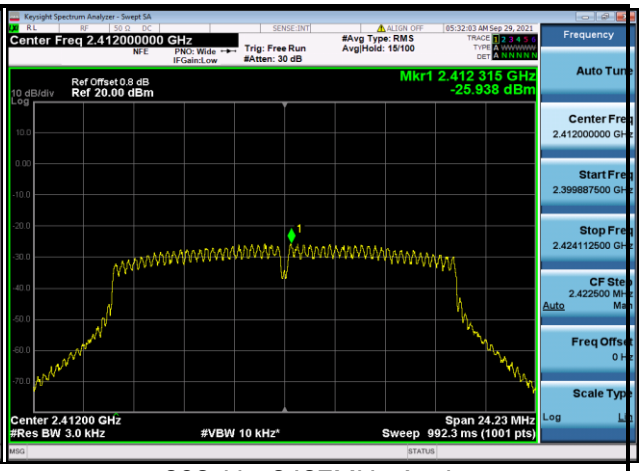
802.11g,2412MHz,Ant0

802.11g,2412MHz,Ant1

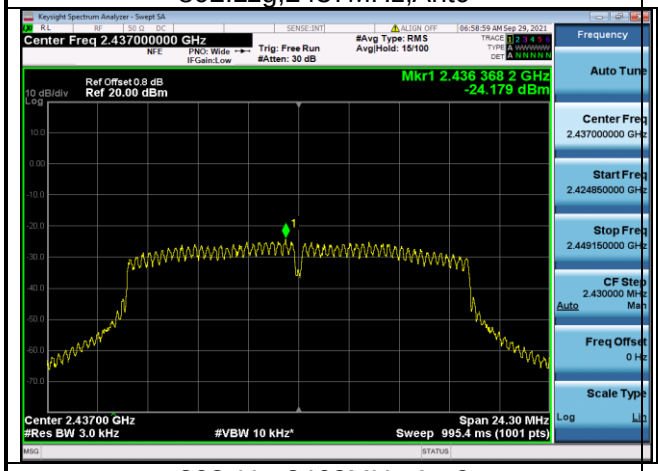
TEST REPORT



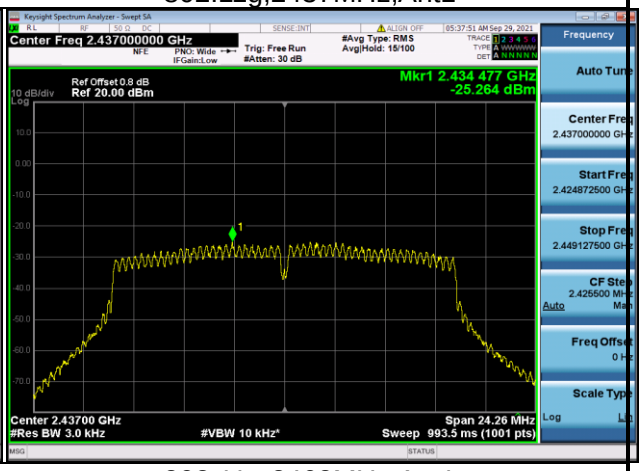
802.11g,2437MHz,Ant0



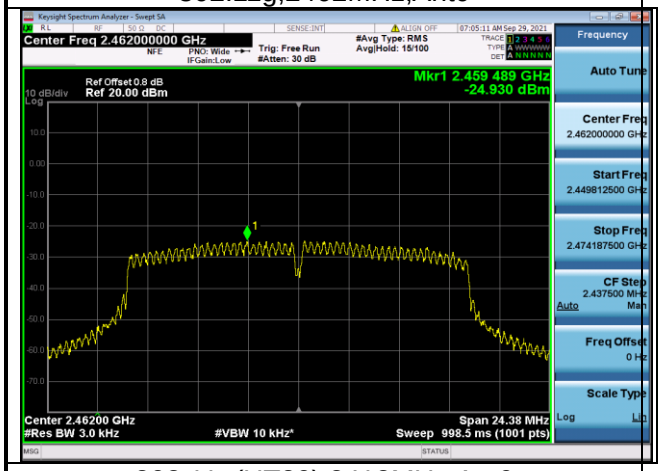
802.11g,2437MHz,Ant1



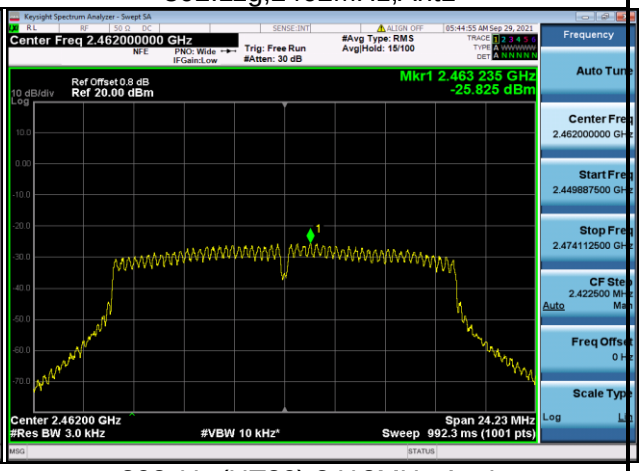
802.11g,2462MHz,Ant0



802.11g,2462MHz,Ant1

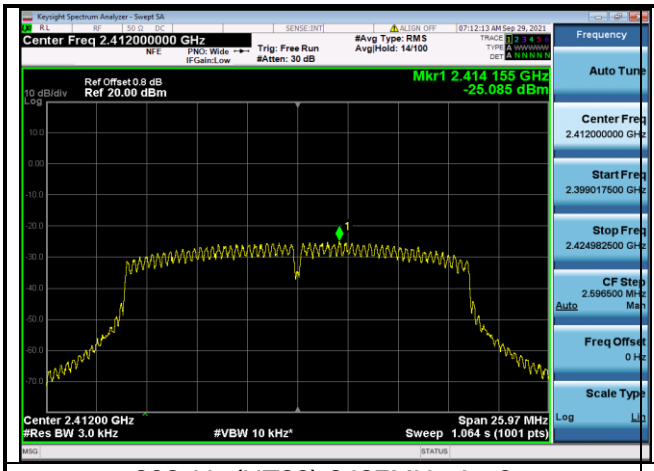


802.11n(HT20),2412MHz,Ant0

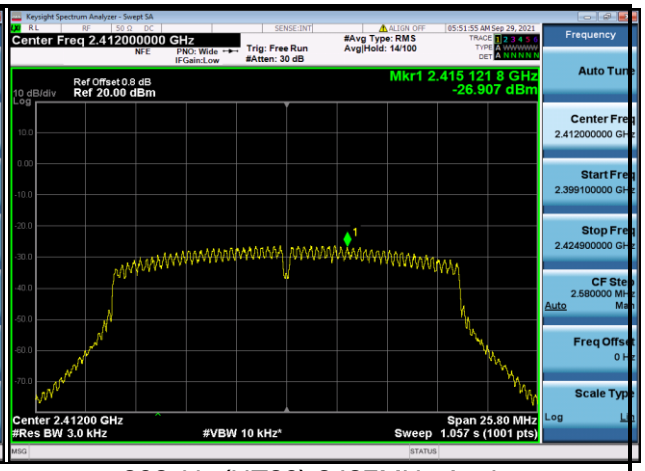


802.11n(HT20),2412MHz,Ant1

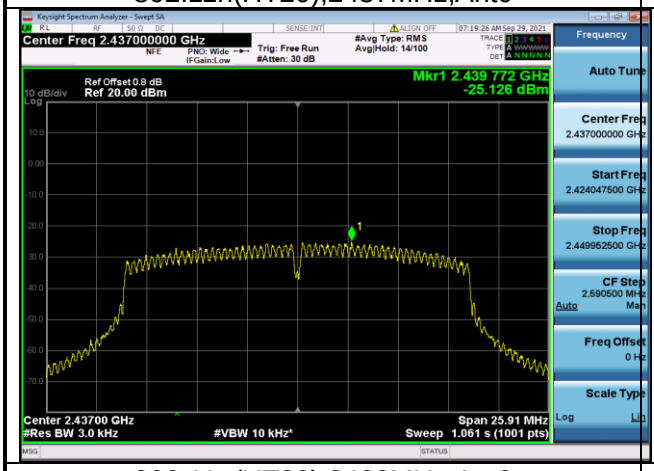
TEST REPORT



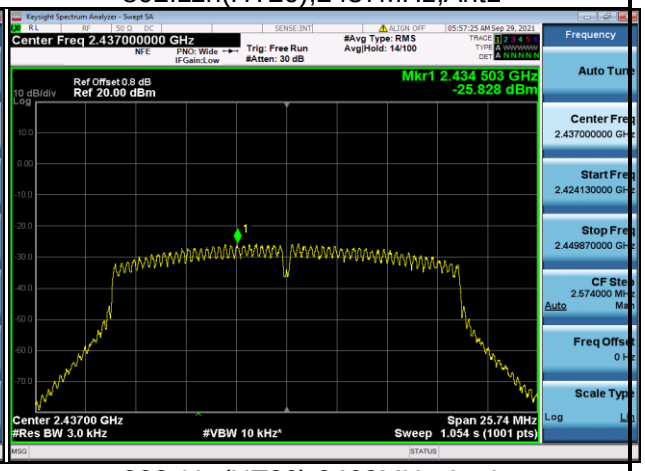
802.11n(HT20),2437MHz,Ant0



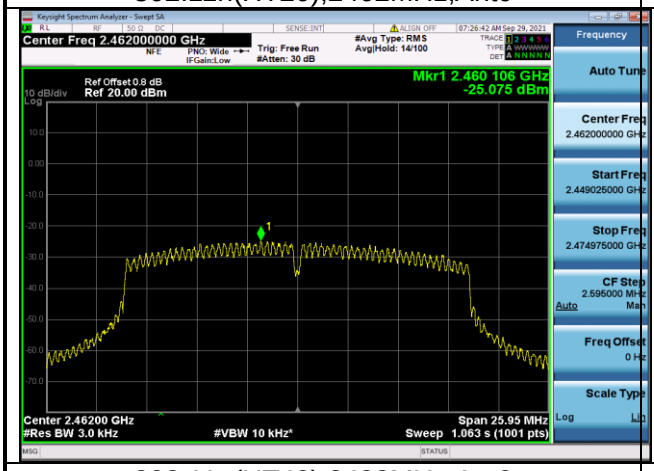
802.11n(HT20),2437MHz,Ant1



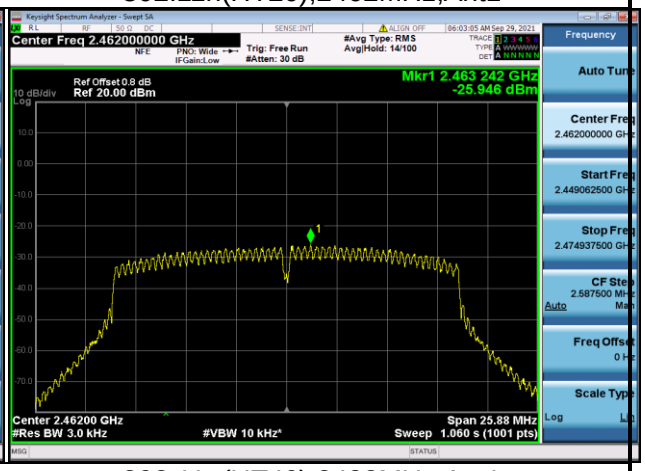
802.11n(HT20),2462MHz,Ant0



802.11n(HT20),2462MHz,Ant1

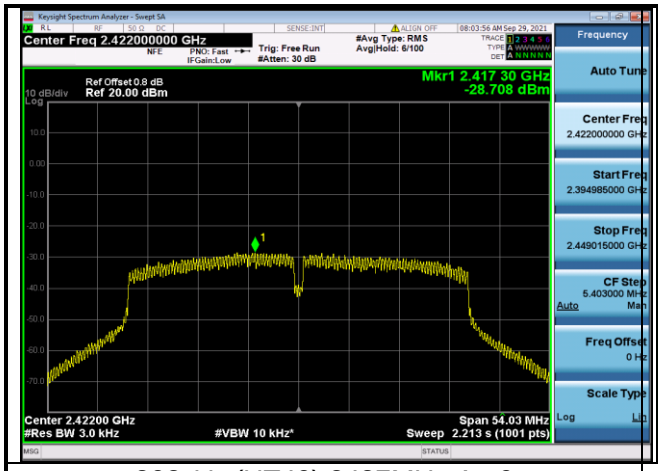


802.11n(HT40),2422MHz,Ant0

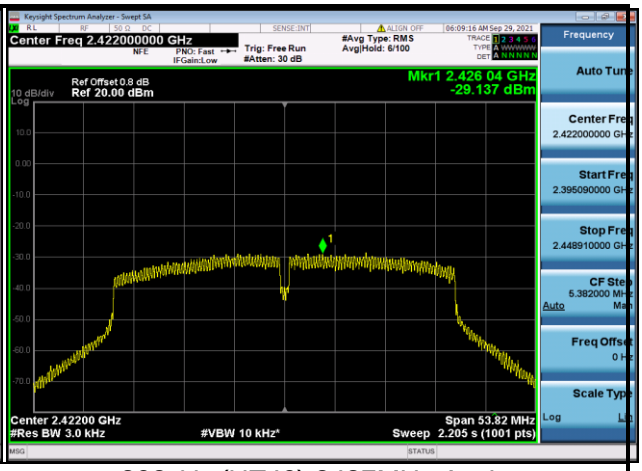


802.11n(HT40),2422MHz,Ant1

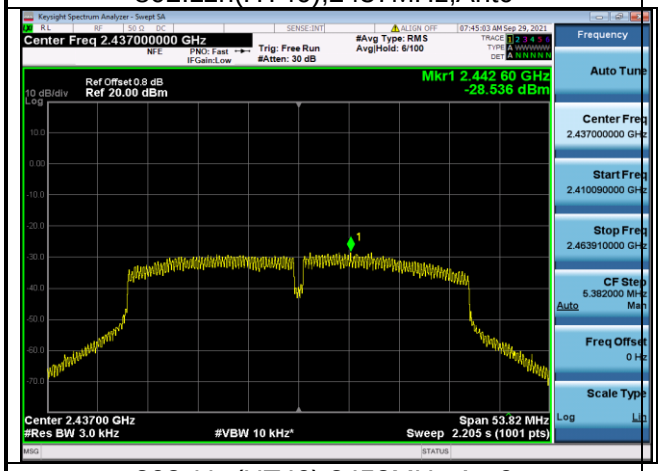
TEST REPORT



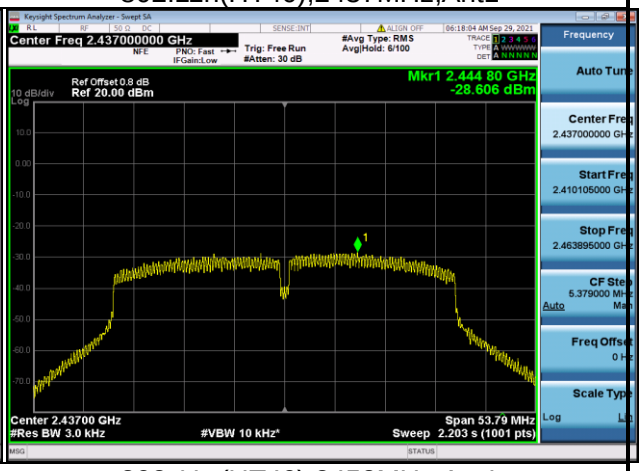
802.11n(HT40),2437MHz,Ant0



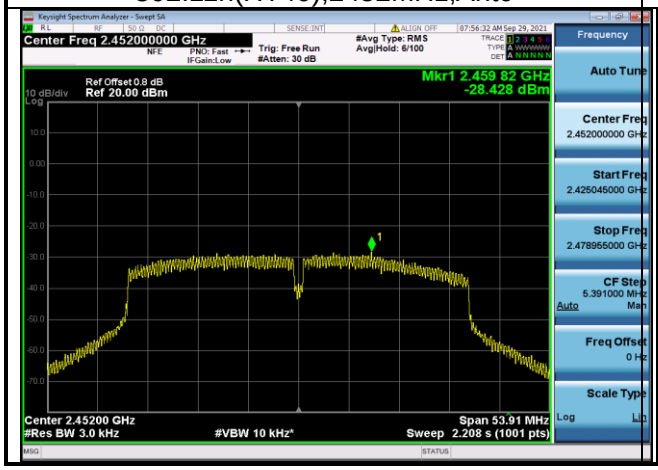
802.11n(HT40),2437MHz,Ant1

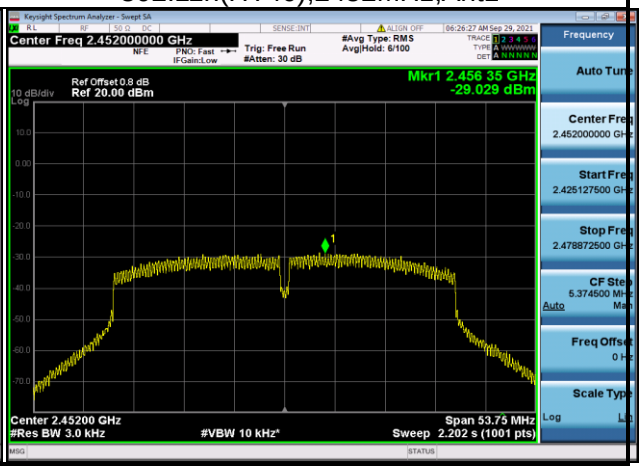


802.11n(HT40),2452MHz,Ant0



802.11n(HT40),2452MHz,Ant1





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	-0.21	Pass
802.11b	2412	Ant0	2	Band Edge	-51.59	Pass
802.11b	2412	Ant0	3	30MHz~2310MHz	-51.76	Pass
802.11b	2412	Ant0	4	2500MHz~5000MHz	-54.06	Pass
802.11b	2412	Ant0	5	5000MHz~15000MHz	-54.52	Pass
802.11b	2412	Ant0	6	15000MHz~25000MHz	-52.93	Pass
802.11b	2412	Ant1	1	Reference Level	-1.34	Pass
802.11b	2412	Ant1	2	Band Edge	-56.75	Pass
802.11b	2412	Ant1	3	30MHz~2310MHz	-45.57	Pass
802.11b	2412	Ant1	4	2500MHz~5000MHz	-53.48	Pass
802.11b	2412	Ant1	5	5000MHz~15000MHz	-54.81	Pass
802.11b	2412	Ant1	6	15000MHz~25000MHz	-52.54	Pass
802.11b	2437	Ant0	1	Reference Level	-0.65	Pass
802.11b	2437	Ant0	2	Band Edge	-58.07	Pass
802.11b	2437	Ant0	3	30MHz~2310MHz	-55.37	Pass
802.11b	2437	Ant0	4	2500MHz~5000MHz	-53.28	Pass
802.11b	2437	Ant0	5	5000MHz~15000MHz	-55.10	Pass
802.11b	2437	Ant0	6	15000MHz~25000MHz	-52.13	Pass
802.11b	2437	Ant1	1	Reference Level	-1.52	Pass
802.11b	2437	Ant1	2	Band Edge	-57.15	Pass
802.11b	2437	Ant1	3	30MHz~2310MHz	-43.14	Pass
802.11b	2437	Ant1	4	2500MHz~5000MHz	-53.36	Pass
802.11b	2437	Ant1	5	5000MHz~15000MHz	-54.74	Pass
802.11b	2437	Ant1	6	15000MHz~25000MHz	-52.55	Pass
802.11b	2462	Ant0	1	Reference Level	-0.26	Pass
802.11b	2462	Ant0	2	Band Edge	-57.65	Pass
802.11b	2462	Ant0	3	30MHz~2310MHz	-52.60	Pass

802.11b	2462	Ant0	4	2500MHz~5000MHz	-52.95	Pass
802.11b	2462	Ant0	5	5000MHz~15000MHz	-54.91	Pass
802.11b	2462	Ant0	6	15000MHz~25000MHz	-52.21	Pass
802.11b	2462	Ant1	1	Reference Level	-1.78	Pass
802.11b	2462	Ant1	2	Band Edge	-57.90	Pass
802.11b	2462	Ant1	3	30MHz~2310MHz	-45.51	Pass
802.11b	2462	Ant1	4	2500MHz~5000MHz	-52.67	Pass
802.11b	2462	Ant1	5	5000MHz~15000MHz	-54.53	Pass
802.11b	2462	Ant1	6	15000MHz~25000MHz	-52.40	Pass
802.11g	2412	Ant0	1	Reference Level	-0.45	Pass
802.11g	2412	Ant0	2	Band Edge	-38.61	Pass
802.11g	2412	Ant0	3	30MHz~2310MHz	-51.18	Pass
802.11g	2412	Ant0	4	2500MHz~5000MHz	-53.49	Pass
802.11g	2412	Ant0	5	5000MHz~15000MHz	-55.16	Pass
802.11g	2412	Ant0	6	15000MHz~25000MHz	-52.76	Pass
802.11g	2412	Ant1	1	Reference Level	-1.97	Pass
802.11g	2412	Ant1	2	Band Edge	-44.93	Pass
802.11g	2412	Ant1	3	30MHz~2310MHz	-43.56	Pass
802.11g	2412	Ant1	4	2500MHz~5000MHz	-53.52	Pass
802.11g	2412	Ant1	5	5000MHz~15000MHz	-54.95	Pass
802.11g	2412	Ant1	6	15000MHz~25000MHz	-52.07	Pass
802.11g	2437	Ant0	1	Reference Level	-0.86	Pass
802.11g	2437	Ant0	2	Band Edge	-56.12	Pass
802.11g	2437	Ant0	3	30MHz~2310MHz	-53.19	Pass
802.11g	2437	Ant0	4	2500MHz~5000MHz	-53.61	Pass
802.11g	2437	Ant0	5	5000MHz~15000MHz	-54.87	Pass
802.11g	2437	Ant0	6	15000MHz~25000MHz	-52.87	Pass
802.11g	2437	Ant1	1	Reference Level	-1.45	Pass
802.11g	2437	Ant1	2	Band Edge	-54.94	Pass
802.11g	2437	Ant1	3	30MHz~2310MHz	-47.80	Pass
802.11g	2437	Ant1	4	2500MHz~5000MHz	-53.40	Pass
802.11g	2437	Ant1	5	5000MHz~15000MHz	-54.82	Pass

802.11g	2437	Ant1	6	15000MHz~25000MHz	-52.43	Pass
802.11g	2462	Ant0	1	Reference Level	-1.04	Pass
802.11g	2462	Ant0	2	Band Edge	-51.95	Pass
802.11g	2462	Ant0	3	30MHz~2310MHz	-51.98	Pass
802.11g	2462	Ant0	4	2500MHz~5000MHz	-53.71	Pass
802.11g	2462	Ant0	5	5000MHz~15000MHz	-55.27	Pass
802.11g	2462	Ant0	6	15000MHz~25000MHz	-51.89	Pass
802.11g	2462	Ant1	1	Reference Level	-2.11	Pass
802.11g	2462	Ant1	2	Band Edge	-55.13	Pass
802.11g	2462	Ant1	3	30MHz~2310MHz	-47.24	Pass
802.11g	2462	Ant1	4	2500MHz~5000MHz	-53.50	Pass
802.11g	2462	Ant1	5	5000MHz~15000MHz	-55.26	Pass
802.11g	2462	Ant1	6	15000MHz~25000MHz	-51.95	Pass
802.11n (HT20)	2412	Ant0	1	Reference Level	-0.72	Pass
802.11n (HT20)	2412	Ant0	2	Band Edge	-40.14	Pass
802.11n (HT20)	2412	Ant0	3	30MHz~2310MHz	-51.50	Pass
802.11n (HT20)	2412	Ant0	4	2500MHz~5000MHz	-53.08	Pass
802.11n (HT20)	2412	Ant0	5	5000MHz~15000MHz	-54.06	Pass
802.11n (HT20)	2412	Ant0	6	15000MHz~25000MHz	-52.58	Pass
802.11n (HT20)	2412	Ant1	1	Reference Level	-1.86	Pass
802.11n (HT20)	2412	Ant1	2	Band Edge	-46.83	Pass
802.11n (HT20)	2412	Ant1	3	30MHz~2310MHz	-53.06	Pass
802.11n (HT20)	2412	Ant1	4	2500MHz~5000MHz	-53.47	Pass
802.11n (HT20)	2412	Ant1	5	5000MHz~15000MHz	-54.56	Pass
802.11n (HT20)	2412	Ant1	6	15000MHz~25000MHz	-52.40	Pass
802.11n (HT20)	2437	Ant0	1	Reference Level	-1.34	Pass
802.11n (HT20)	2437	Ant0	2	Band Edge	-55.16	Pass
802.11n (HT20)	2437	Ant0	3	30MHz~2310MHz	-51.69	Pass
802.11n (HT20)	2437	Ant0	4	2500MHz~5000MHz	-53.62	Pass

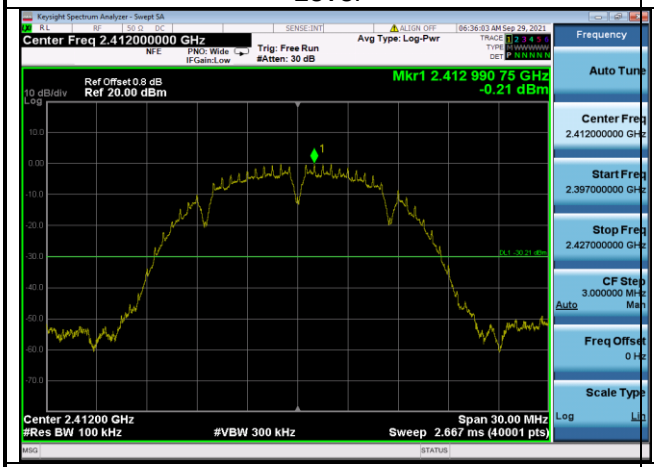
802.11n (HT20)	2437	Ant0	5	5000MHz~15000MHz	-55.10	Pass
802.11n (HT20)	2437	Ant0	6	15000MHz~25000MHz	-52.70	Pass
802.11n (HT20)	2437	Ant1	1	Reference Level	-1.34	Pass
802.11n (HT20)	2437	Ant1	2	Band Edge	-55.44	Pass
802.11n (HT20)	2437	Ant1	3	30MHz~2310MHz	-48.95	Pass
802.11n (HT20)	2437	Ant1	4	2500MHz~5000MHz	-52.97	Pass
802.11n (HT20)	2437	Ant1	5	5000MHz~15000MHz	-54.17	Pass
802.11n (HT20)	2437	Ant1	6	15000MHz~25000MHz	-52.44	Pass
802.11n (HT20)	2462	Ant0	1	Reference Level	-0.62	Pass
802.11n (HT20)	2462	Ant0	2	Band Edge	-49.82	Pass
802.11n (HT20)	2462	Ant0	3	30MHz~2310MHz	-56.57	Pass
802.11n (HT20)	2462	Ant0	4	2500MHz~5000MHz	-53.99	Pass
802.11n (HT20)	2462	Ant0	5	5000MHz~15000MHz	-54.91	Pass
802.11n (HT20)	2462	Ant0	6	15000MHz~25000MHz	-52.74	Pass
802.11n (HT20)	2462	Ant1	1	Reference Level	-1.73	Pass
802.11n (HT20)	2462	Ant1	2	Band Edge	-55.96	Pass
802.11n (HT20)	2462	Ant1	3	30MHz~2310MHz	-49.32	Pass
802.11n (HT20)	2462	Ant1	4	2500MHz~5000MHz	-52.72	Pass
802.11n (HT20)	2462	Ant1	5	5000MHz~15000MHz	-54.78	Pass
802.11n (HT20)	2462	Ant1	6	15000MHz~25000MHz	-52.52	Pass
802.11n (HT40)	2422	Ant0	1	Reference Level	-6.30	Pass
802.11n (HT40)	2422	Ant0	2	Band Edge	-38.52	Pass
802.11n (HT40)	2422	Ant0	3	30MHz~2310MHz	-52.66	Pass
802.11n (HT40)	2422	Ant0	4	2500MHz~5000MHz	-53.35	Pass
802.11n (HT40)	2422	Ant0	5	5000MHz~15000MHz	-54.41	Pass
802.11n (HT40)	2422	Ant0	6	15000MHz~25000MHz	-52.65	Pass
802.11n (HT40)	2422	Ant1	1	Reference Level	-3.65	Pass

802.11n (HT40)	2422	Ant1	2	Band Edge	-35.96	Pass
802.11n (HT40)	2422	Ant1	3	30MHz~2310MHz	-43.18	Pass
802.11n (HT40)	2422	Ant1	4	2500MHz~5000MHz	-53.89	Pass
802.11n (HT40)	2422	Ant1	5	5000MHz~15000MHz	-53.62	Pass
802.11n (HT40)	2422	Ant1	6	15000MHz~25000MHz	-52.03	Pass
802.11n (HT40)	2437	Ant0	1	Reference Level	-4.07	Pass
802.11n (HT40)	2437	Ant0	2	Band Edge	-49.81	Pass
802.11n (HT40)	2437	Ant0	3	30MHz~2310MHz	-52.40	Pass
802.11n (HT40)	2437	Ant0	4	2500MHz~5000MHz	-53.32	Pass
802.11n (HT40)	2437	Ant0	5	5000MHz~15000MHz	-55.00	Pass
802.11n (HT40)	2437	Ant0	6	15000MHz~25000MHz	-52.64	Pass
802.11n (HT40)	2437	Ant1	1	Reference Level	-4.47	Pass
802.11n (HT40)	2437	Ant1	2	Band Edge	-53.17	Pass
802.11n (HT40)	2437	Ant1	3	30MHz~2310MHz	-40.21	Pass
802.11n (HT40)	2437	Ant1	4	2500MHz~5000MHz	-52.85	Pass
802.11n (HT40)	2437	Ant1	5	5000MHz~15000MHz	-54.78	Pass
802.11n (HT40)	2437	Ant1	6	15000MHz~25000MHz	-52.81	Pass
802.11n (HT40)	2452	Ant0	1	Reference Level	-3.91	Pass
802.11n (HT40)	2452	Ant0	2	Band Edge	-43.04	Pass
802.11n (HT40)	2452	Ant0	3	30MHz~2310MHz	-55.37	Pass
802.11n (HT40)	2452	Ant0	4	2500MHz~5000MHz	-53.61	Pass
802.11n (HT40)	2452	Ant0	5	5000MHz~15000MHz	-54.09	Pass
802.11n (HT40)	2452	Ant0	6	15000MHz~25000MHz	-52.65	Pass
802.11n (HT40)	2452	Ant1	1	Reference Level	-4.34	Pass
802.11n (HT40)	2452	Ant1	2	Band Edge	-45.78	Pass
802.11n (HT40)	2452	Ant1	3	30MHz~2310MHz	-51.13	Pass
802.11n (HT40)	2452	Ant1	4	2500MHz~5000MHz	-52.80	Pass

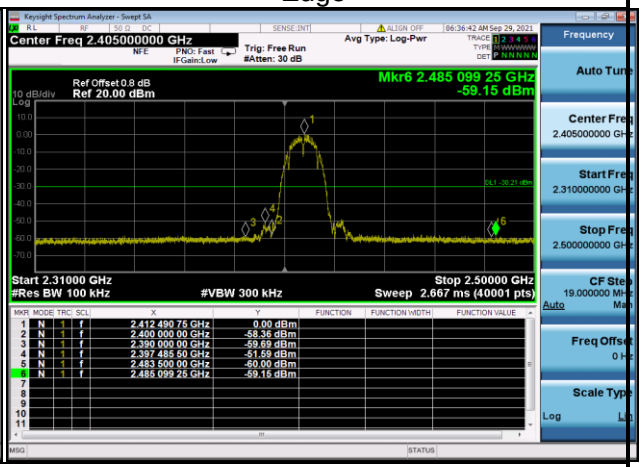
802.11n (HT40)	2452	Ant1	5	5000MHz~15000MHz	-55.15	Pass
802.11n (HT40)	2452	Ant1	6	15000MHz~25000MHz	-52.49	Pass

9.2 Test Plots

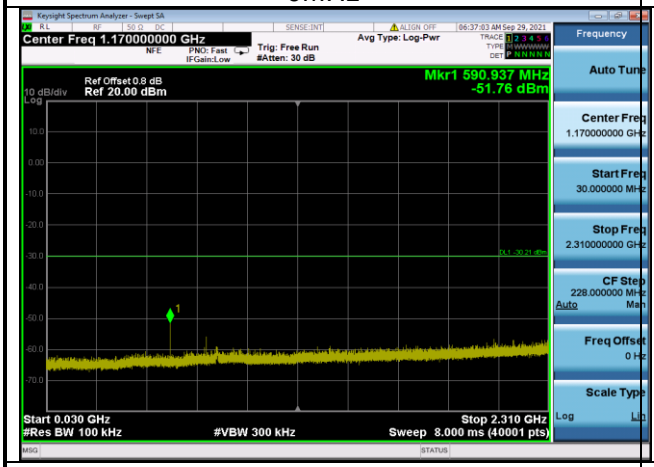
802.11b,2412MHz,Ant0,Plot 1,Reference Level



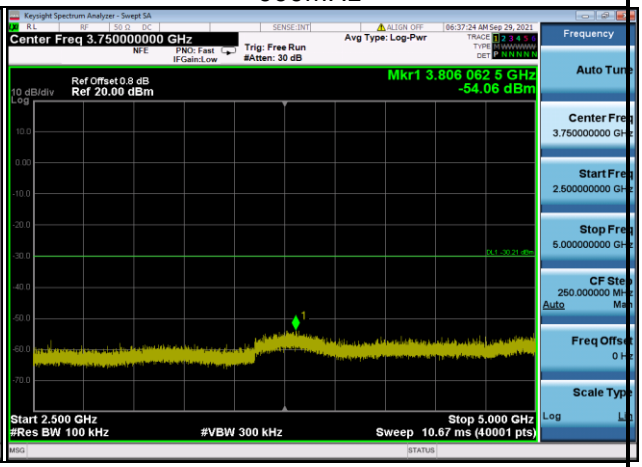
802.11b,2412MHz,Ant0,Plot 2,Band Edge



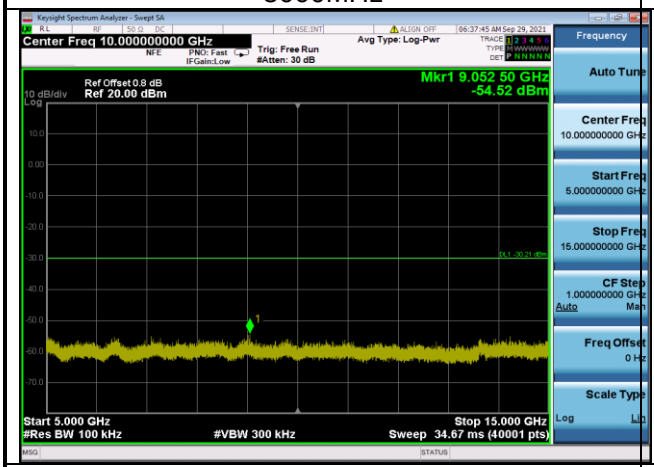
802.11b,2412MHz,Ant0,Plot 3,30MHz~2310MHz



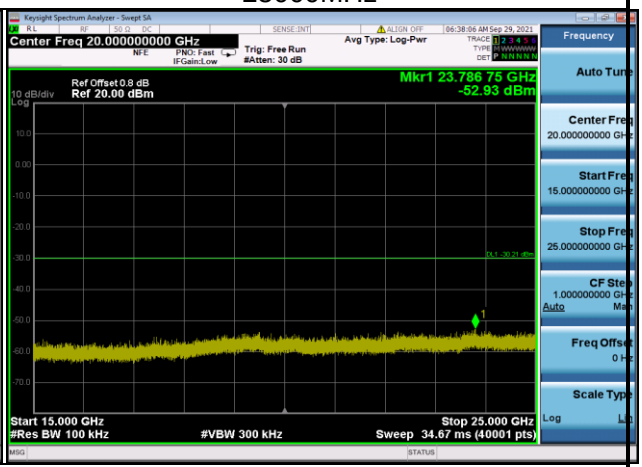
802.11b,2412MHz,Ant0,Plot 4,2500MHz~5000MHz



802.11b,2412MHz,Ant0,Plot 5,5000MHz~15000MHz



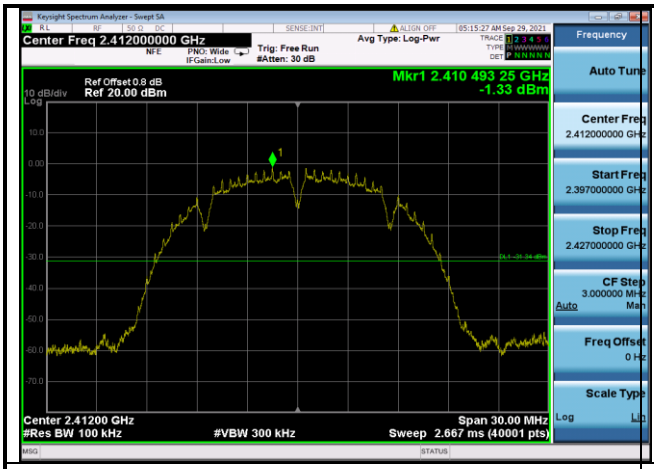
802.11b,2412MHz,Ant0,Plot 6,15000MHz~25000MHz



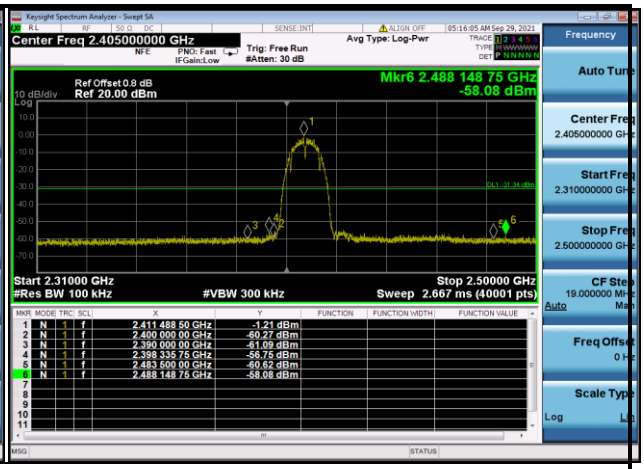
802.11b,2412MHz,Ant1,Plot 1,Reference Level

802.11b,2412MHz,Ant1,Plot 2,Band Edge

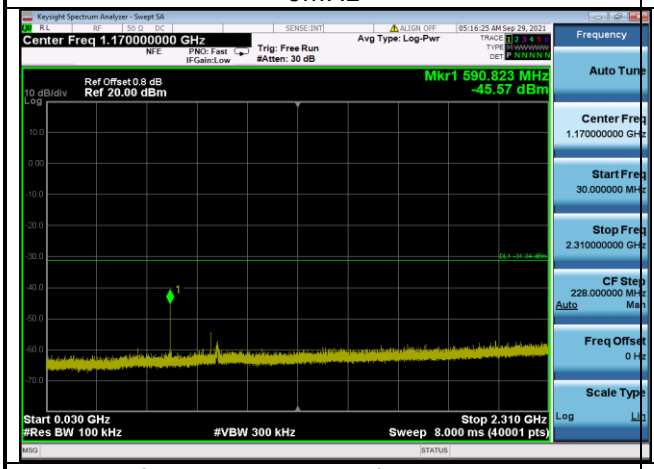
TEST REPORT



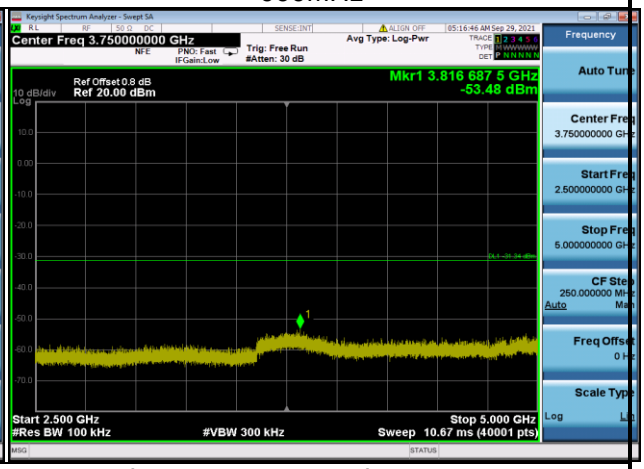
802.11b,2412MHz,Ant1,Plot 3,30MHz~2310MHz



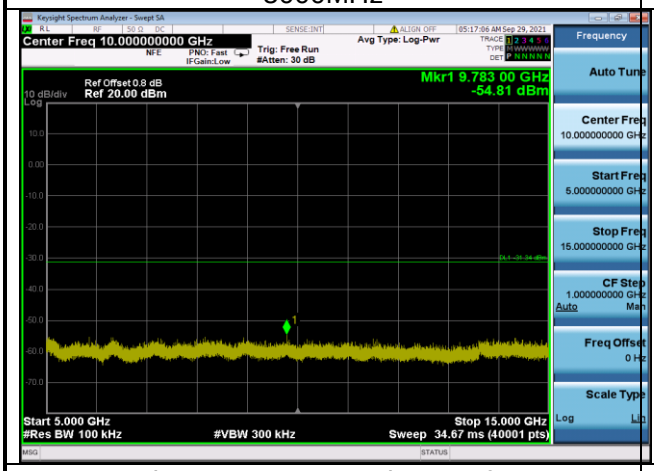
802.11b,2412MHz,Ant1,Plot 4,2500MHz~5000MHz



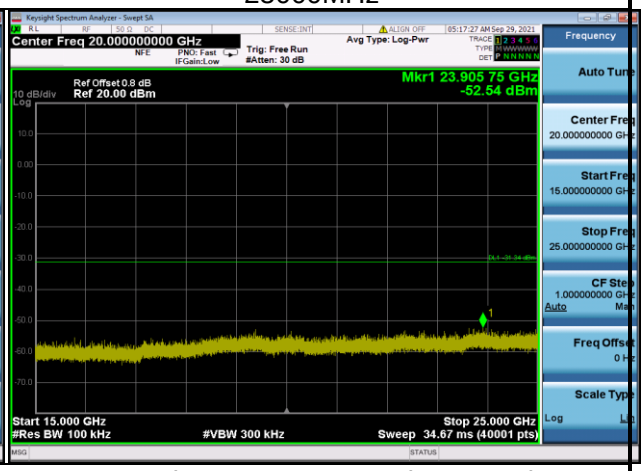
802.11b,2412MHz,Ant1,Plot 5,5000MHz~15000MHz



802.11b,2412MHz,Ant1,Plot 6,15000MHz~25000MHz

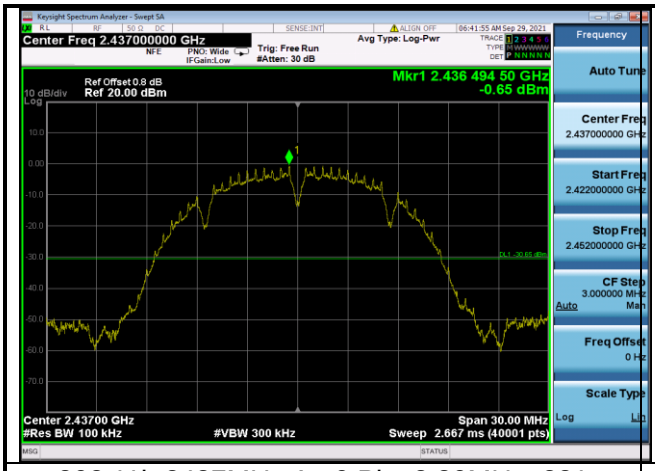


802.11b,2437MHz,Ant0,Plot 1,Reference Level

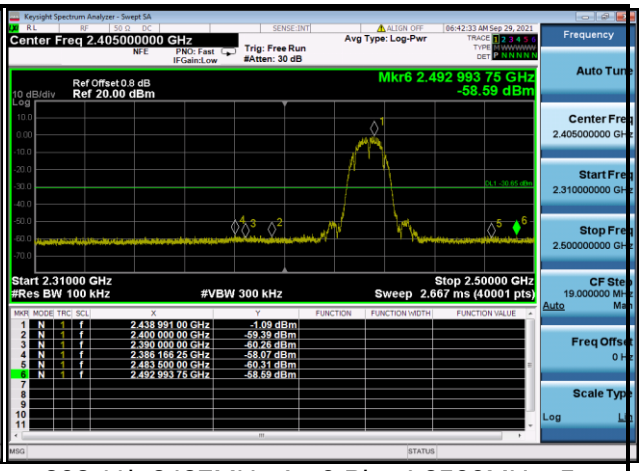


802.11b,2437MHz,Ant0,Plot 2,Band Edge

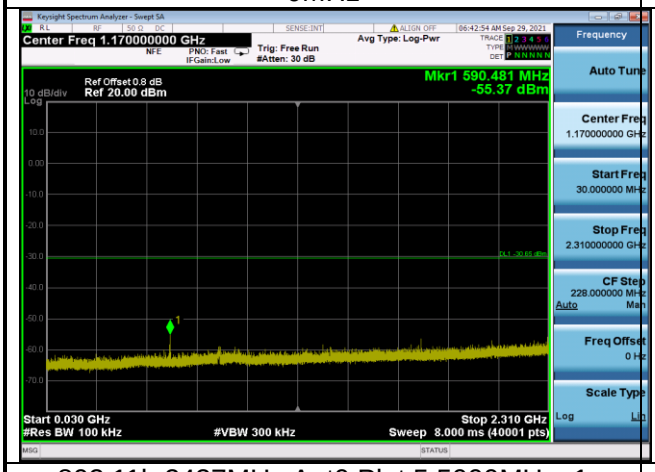
TEST REPORT



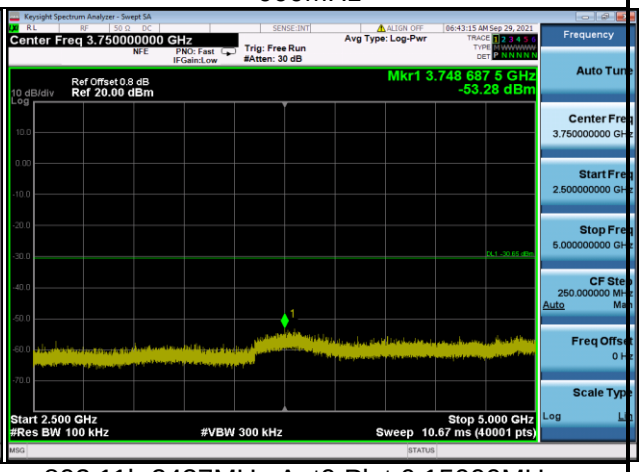
802.11b,2437MHz,Ant0,Plot 3,30MHz~2310MHz



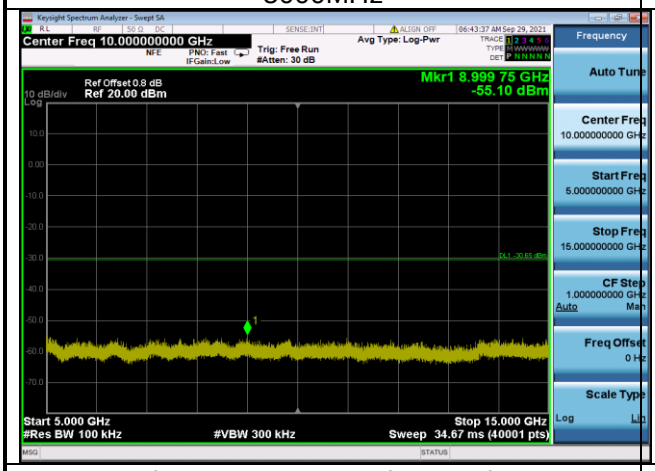
802.11b,2437MHz,Ant0,Plot 4,2500MHz~5000MHz



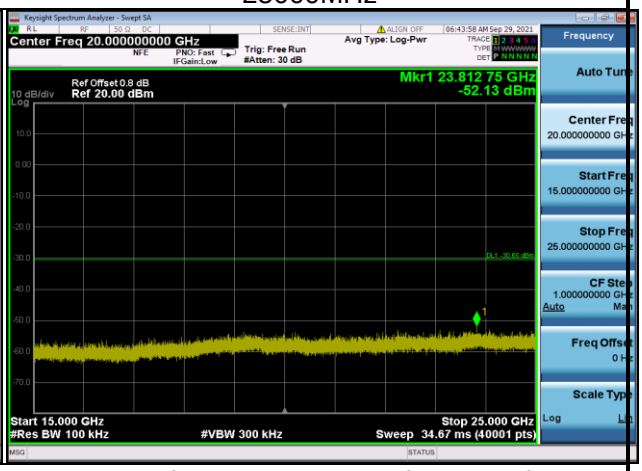
802.11b,2437MHz,Ant0,Plot 5,5000MHz~15000MHz



802.11b,2437MHz,Ant0,Plot 6,15000MHz~25000MHz



802.11b,2437MHz,Ant1,Plot 1,Reference Level



802.11b,2437MHz,Ant1,Plot 2,Band Edge