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	0.00	-12.556	3	8	Pass
802.11b	2437	Ant0	0.00	-12.272	3	8	Pass
802.11b	2462	Ant0	0.00	-13.096	3	8	Pass
802.11g	2412	Ant0	0.27	-18.979	3	8	Pass
802.11g	2437	Ant0	0.26	-18.855	3	8	Pass
802.11g	2462	Ant0	0.27	-18.347	3	8	Pass
802.11n (HT20)	2412	Ant0	0.28	-19.401	3	8	Pass
802.11n (HT20)	2437	Ant0	0.28	-19.343	3	8	Pass
802.11n (HT20)	2462	Ant0	0.28	-19.473	3	8	Pass
802.11n (HT40)	2422	Ant0	0.56	-22.037	3	8	Pass
802.11n (HT40)	2437	Ant0	0.56	-21.377	3	8	Pass
802.11n (HT40)	2452	Ant0	0.56	-21.203	3	8	Pass

5.2 Test Plots

802.11b,2412MHz,Ant0

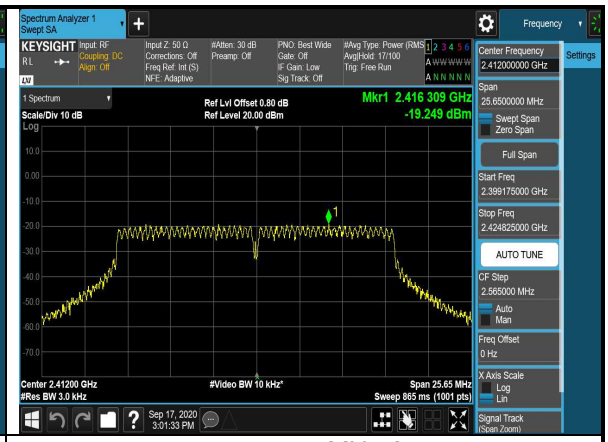
802.11b,2437MHz,Ant0

802.11b,2462MHz,Ant0

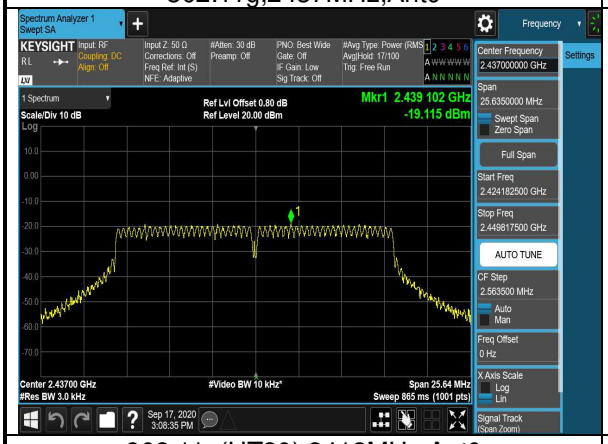
802.11g,2412MHz,Ant0

TEST REPORT

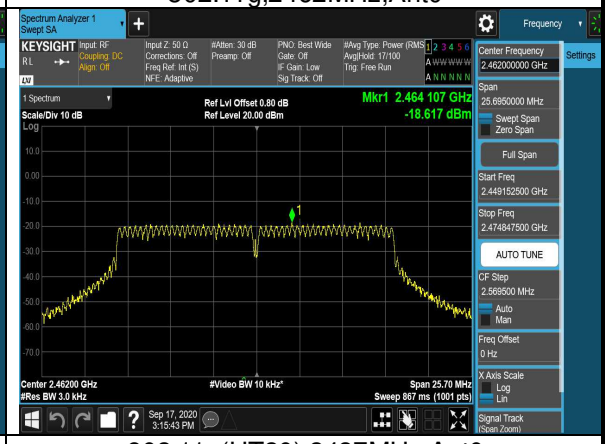
802.11g,2437MHz,Ant0



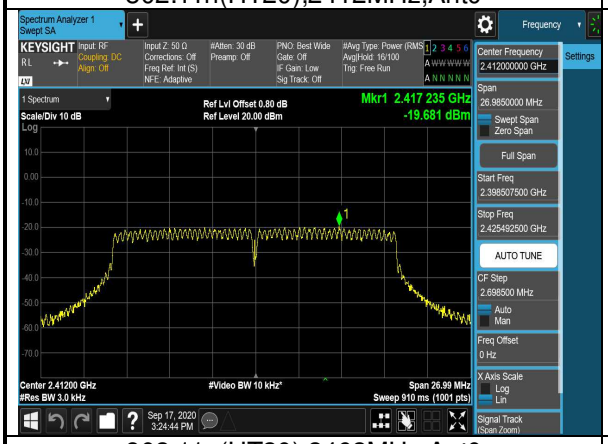
802.11g,2462MHz,Ant0



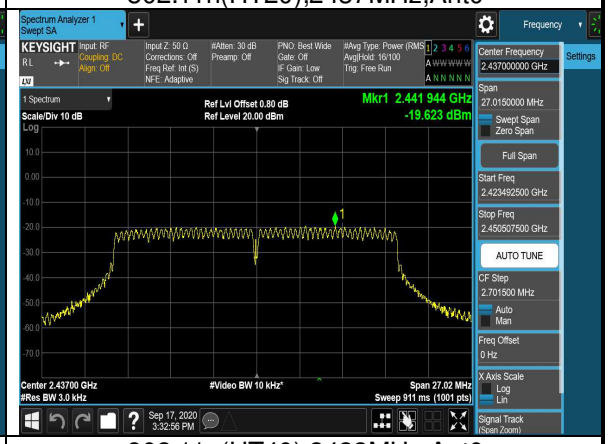
802.11n(HT20),2412MHz,Ant0



802.11n(HT20),2437MHz,Ant0

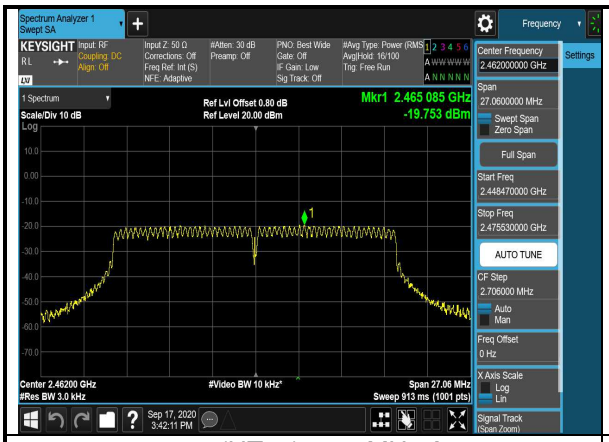


802.11n(HT20),2462MHz,Ant0

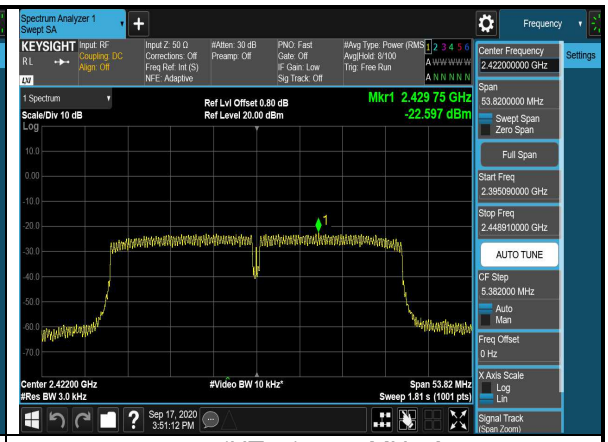


802.11n(HT40),2422MHz,Ant0

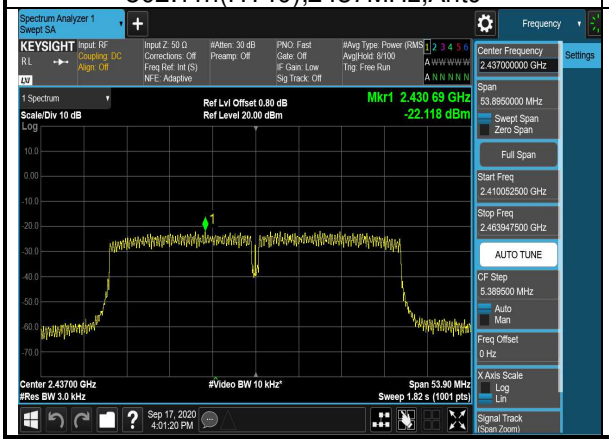
TEST REPORT

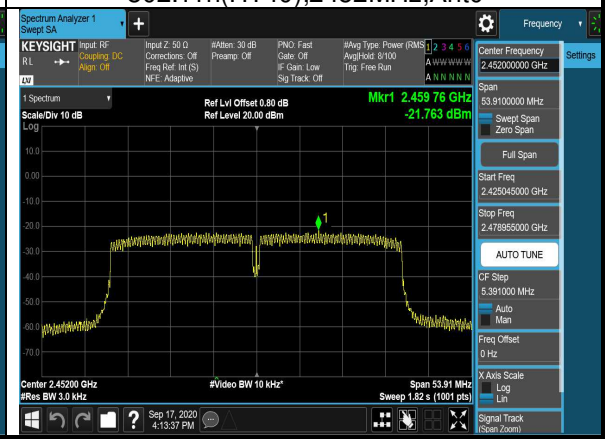


802.11n(HT40),2437MHz,Ant0



802.11n(HT40),2452MHz,Ant0





6. Emission outside the frequency band

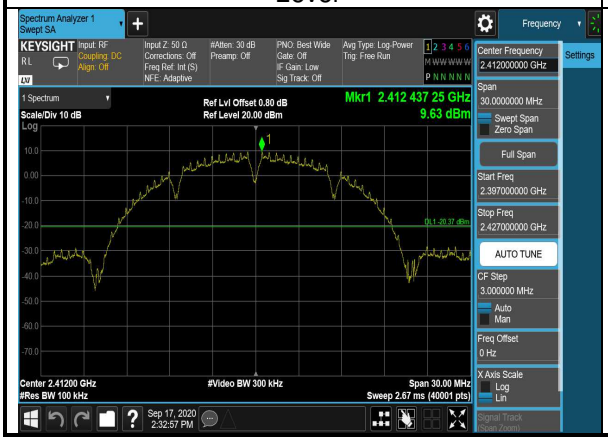
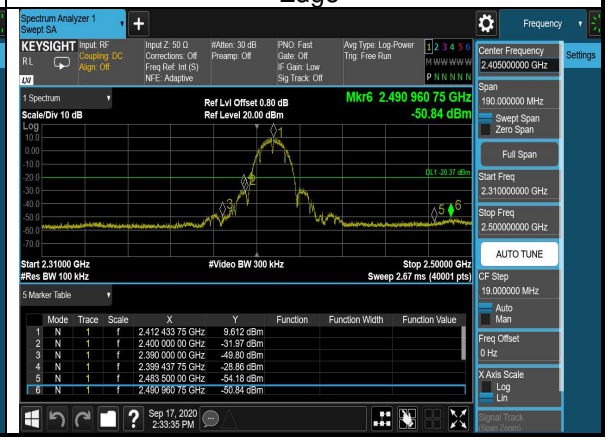
6.1 Test Data

WLAN Transmitter Spurious Emission						
Mode	Test Frequency (MHz)	Ant	Plot No.	Frequency Range	Emission (dBm)	Result
802.11b	2412	Ant0	1	Reference Level	9.63	Pass
802.11b	2412	Ant0	2	Band Edge	-28.86	Pass
802.11b	2412	Ant0	3	30MHz~2310MHz	-53.78	Pass
802.11b	2412	Ant0	4	2500MHz~5000MHz	-52.84	Pass
802.11b	2412	Ant0	5	5000MHz~15000MHz	-54.37	Pass
802.11b	2412	Ant0	6	15000MHz~25000MHz	-50.90	Pass
802.11b	2437	Ant0	1	Reference Level	9.87	Pass
802.11b	2437	Ant0	2	Band Edge	-52.55	Pass
802.11b	2437	Ant0	3	30MHz~2310MHz	-53.92	Pass
802.11b	2437	Ant0	4	2500MHz~5000MHz	-51.81	Pass
802.11b	2437	Ant0	5	5000MHz~15000MHz	-53.59	Pass
802.11b	2437	Ant0	6	15000MHz~25000MHz	-49.86	Pass
802.11b	2462	Ant0	1	Reference Level	10.02	Pass
802.11b	2462	Ant0	2	Band Edge	-45.79	Pass
802.11b	2462	Ant0	3	30MHz~2310MHz	-55.33	Pass
802.11b	2462	Ant0	4	2500MHz~5000MHz	-50.36	Pass
802.11b	2462	Ant0	5	5000MHz~15000MHz	-53.89	Pass
802.11b	2462	Ant0	6	15000MHz~25000MHz	-51.01	Pass
802.11g	2412	Ant0	1	Reference Level	4.02	Pass
802.11g	2412	Ant0	2	Band Edge	-28.80	Pass
802.11g	2412	Ant0	3	30MHz~2310MHz	-55.56	Pass
802.11g	2412	Ant0	4	2500MHz~5000MHz	-53.90	Pass
802.11g	2412	Ant0	5	5000MHz~15000MHz	-54.41	Pass
802.11g	2412	Ant0	6	15000MHz~25000MHz	-51.31	Pass
802.11g	2437	Ant0	1	Reference Level	4.30	Pass
802.11g	2437	Ant0	2	Band Edge	-53.99	Pass

802.11g	2437	Ant0	3	30MHz~2310MHz	-56.13	Pass
802.11g	2437	Ant0	4	2500MHz~5000MHz	-53.90	Pass
802.11g	2437	Ant0	5	5000MHz~15000MHz	-53.59	Pass
802.11g	2437	Ant0	6	15000MHz~25000MHz	-50.52	Pass
802.11g	2462	Ant0	1	Reference Level	4.40	Pass
802.11g	2462	Ant0	2	Band Edge	-41.65	Pass
802.11g	2462	Ant0	3	30MHz~2310MHz	-56.11	Pass
802.11g	2462	Ant0	4	2500MHz~5000MHz	-53.82	Pass
802.11g	2462	Ant0	5	5000MHz~15000MHz	-53.91	Pass
802.11g	2462	Ant0	6	15000MHz~25000MHz	-51.01	Pass
802.11n (HT20)	2412	Ant0	1	Reference Level	3.72	Pass
802.11n (HT20)	2412	Ant0	2	Band Edge	-27.31	Pass
802.11n (HT20)	2412	Ant0	3	30MHz~2310MHz	-55.39	Pass
802.11n (HT20)	2412	Ant0	4	2500MHz~5000MHz	-54.16	Pass
802.11n (HT20)	2412	Ant0	5	5000MHz~15000MHz	-54.14	Pass
802.11n (HT20)	2412	Ant0	6	15000MHz~25000MHz	-50.56	Pass
802.11n (HT20)	2437	Ant0	1	Reference Level	4.27	Pass
802.11n (HT20)	2437	Ant0	2	Band Edge	-53.66	Pass
802.11n (HT20)	2437	Ant0	3	30MHz~2310MHz	-55.75	Pass
802.11n (HT20)	2437	Ant0	4	2500MHz~5000MHz	-53.88	Pass
802.11n (HT20)	2437	Ant0	5	5000MHz~15000MHz	-54.14	Pass
802.11n (HT20)	2437	Ant0	6	15000MHz~25000MHz	-51.19	Pass
802.11n (HT20)	2462	Ant0	1	Reference Level	4.09	Pass
802.11n (HT20)	2462	Ant0	2	Band Edge	-36.23	Pass
802.11n (HT20)	2462	Ant0	3	30MHz~2310MHz	-55.65	Pass
802.11n (HT20)	2462	Ant0	4	2500MHz~5000MHz	-53.51	Pass
802.11n (HT20)	2462	Ant0	5	5000MHz~15000MHz	-54.11	Pass
802.11n (HT20)	2462	Ant0	6	15000MHz~25000MHz	-51.50	Pass
802.11n (HT40)	2422	Ant0	1	Reference Level	1.46	Pass

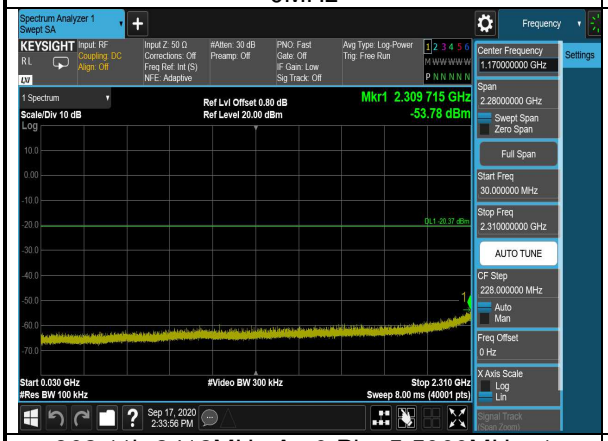
802.11n (HT40)	2422	Ant0	2	Band Edge	-32.66	Pass
802.11n (HT40)	2422	Ant0	3	30MHz~2310MHz	-55.76	Pass
802.11n (HT40)	2422	Ant0	4	2500MHz~5000MHz	-54.09	Pass
802.11n (HT40)	2422	Ant0	5	5000MHz~15000MHz	-54.96	Pass
802.11n (HT40)	2422	Ant0	6	15000MHz~25000MHz	-51.07	Pass
802.11n (HT40)	2437	Ant0	1	Reference Level	1.76	Pass
802.11n (HT40)	2437	Ant0	2	Band Edge	-37.64	Pass
802.11n (HT40)	2437	Ant0	3	30MHz~2310MHz	-55.54	Pass
802.11n (HT40)	2437	Ant0	4	2500MHz~5000MHz	-52.11	Pass
802.11n (HT40)	2437	Ant0	5	5000MHz~15000MHz	-54.06	Pass
802.11n (HT40)	2437	Ant0	6	15000MHz~25000MHz	-50.92	Pass
802.11n (HT40)	2452	Ant0	1	Reference Level	1.83	Pass
802.11n (HT40)	2452	Ant0	2	Band Edge	-33.32	Pass
802.11n (HT40)	2452	Ant0	3	30MHz~2310MHz	-55.06	Pass
802.11n (HT40)	2452	Ant0	4	2500MHz~5000MHz	-46.21	Pass
802.11n (HT40)	2452	Ant0	5	5000MHz~15000MHz	-54.86	Pass
802.11n (HT40)	2452	Ant0	6	15000MHz~25000MHz	-51.67	Pass

9.2 Test Plots

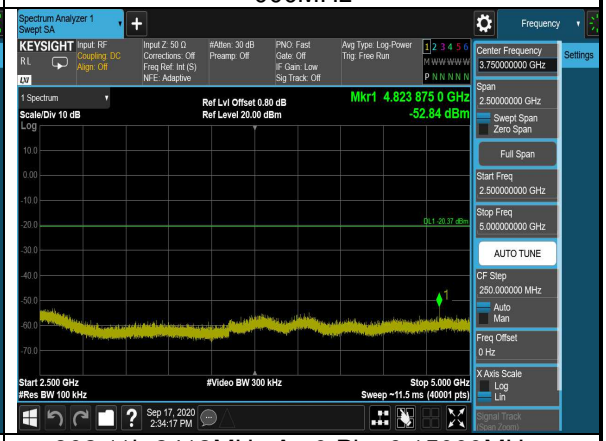
802.11b,2412MHz,Ant0,Plot 1,Reference Level	802.11b,2412MHz,Ant0,Plot 2,Band Edge
	

TEST REPORT

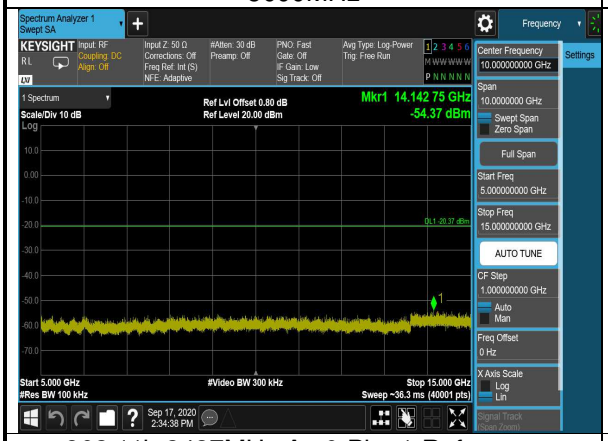
802.11b,2412MHz,Ant0,Plot 3,30MHz~2310MHz



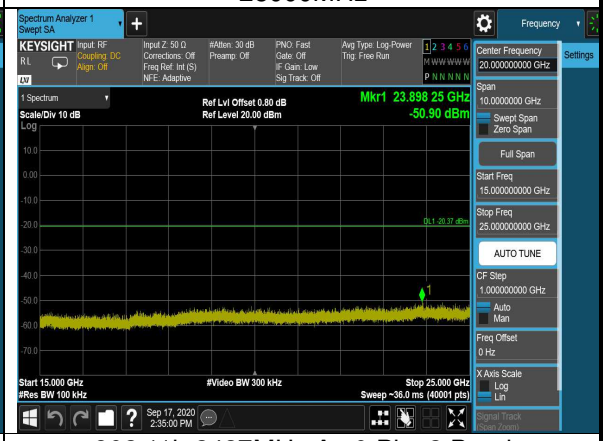
802.11b,2412MHz,Ant0,Plot 4,2500MHz~5000MHz



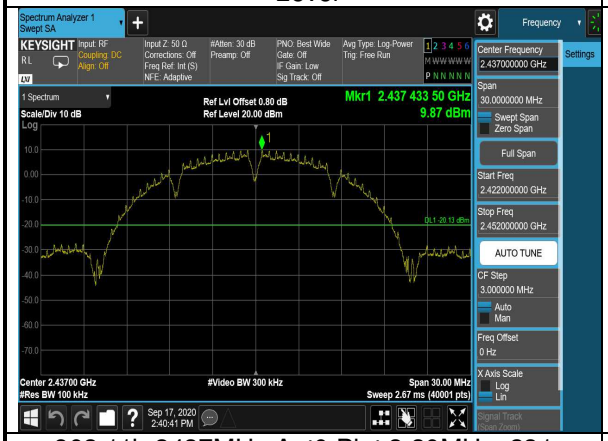
802.11b,2412MHz,Ant0,Plot 5,5000MHz~15000MHz



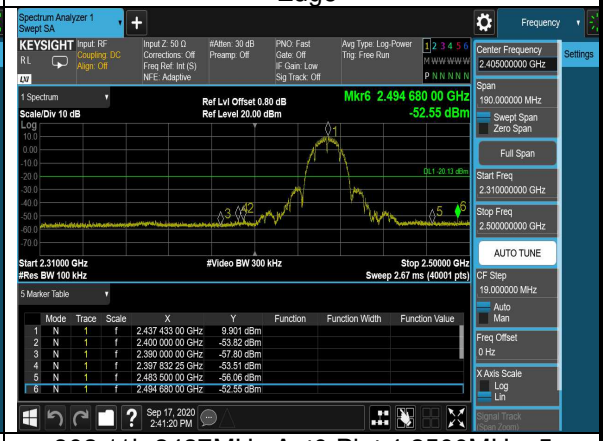
802.11b,2412MHz,Ant0,Plot 6,15000MHz~25000MHz



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



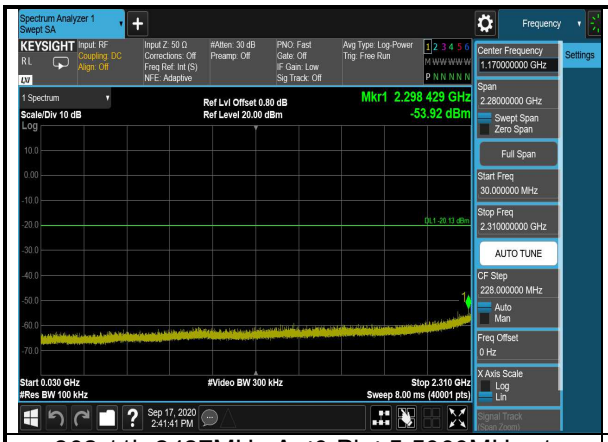
802.11b,2437MHz,Ant0,Plot 2,Band Edge



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

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

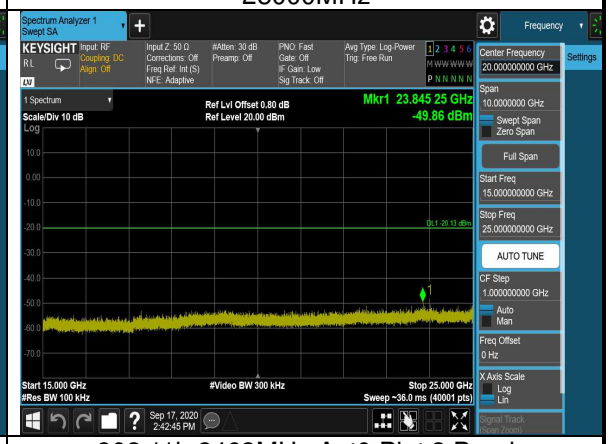
TEST REPORT



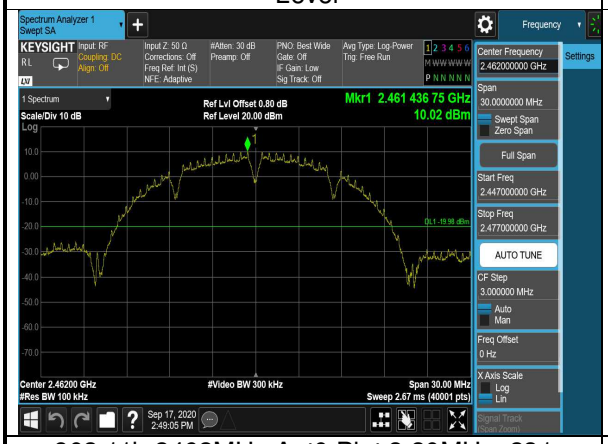
802.11b,2437MHz,Ant0,Plot 5,5000MHz~15000MHz

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

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



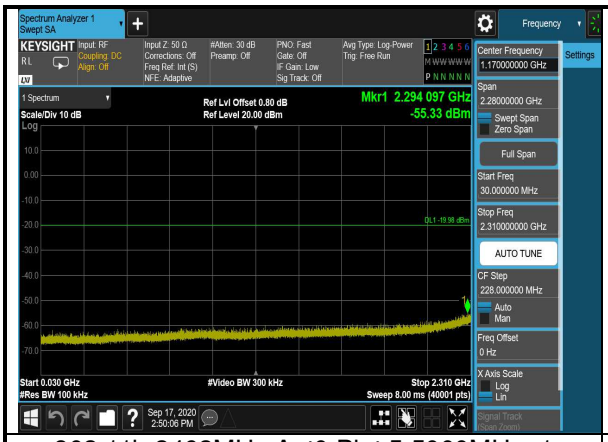
802.11b,2462MHz,Ant0,Plot 2,Band Edge



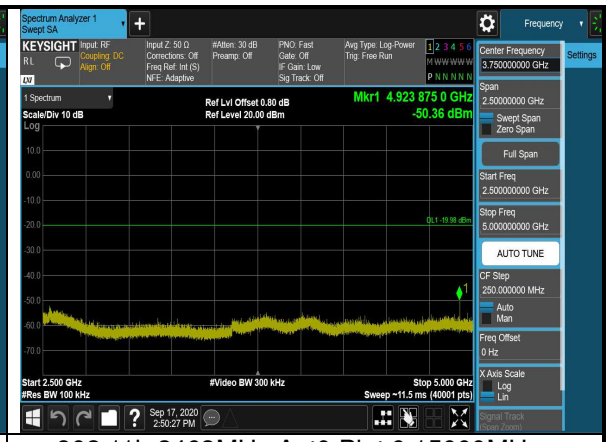
802.11b,2462MHz,Ant0,Plot 3,30MHz~2310MHz

802.11b,2462MHz,Ant0,Plot 4,2500MHz~5000MHz

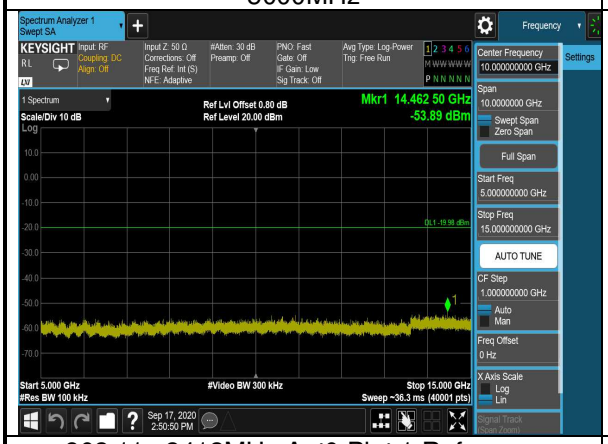
TEST REPORT



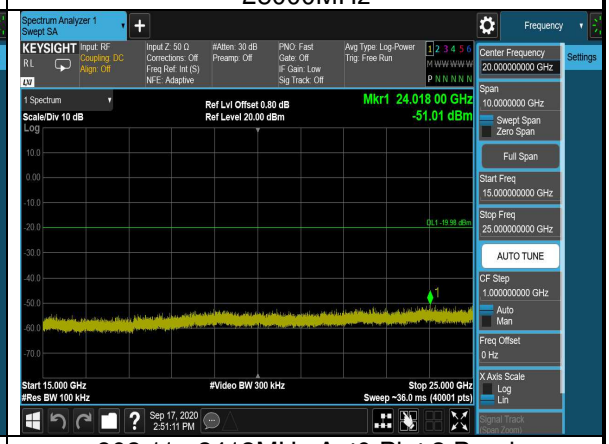
802.11b,2462MHz,Ant0,Plot 5,5000MHz~15000MHz



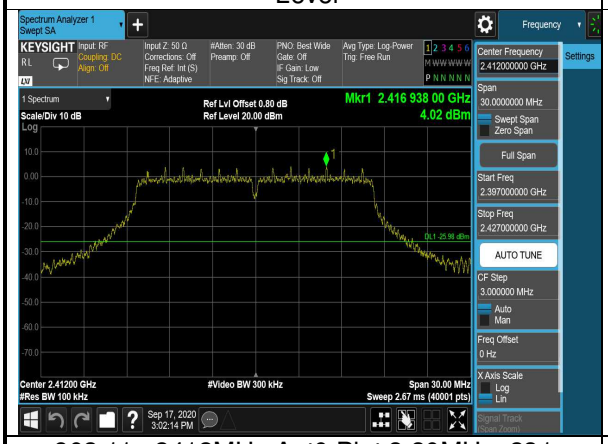
802.11b,2462MHz,Ant0,Plot 6,15000MHz~25000MHz



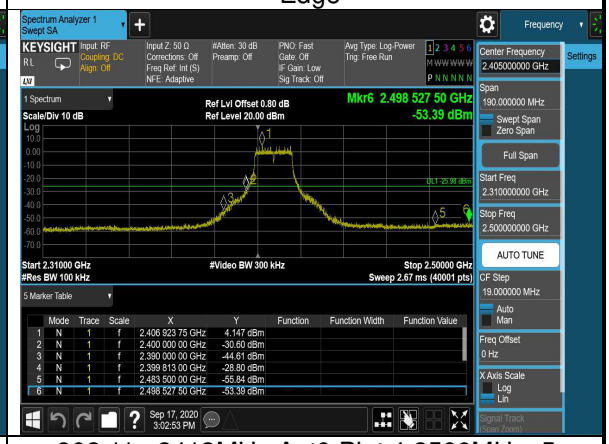
802.11g,2412MHz,Ant0,Plot 1,Reference Level



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

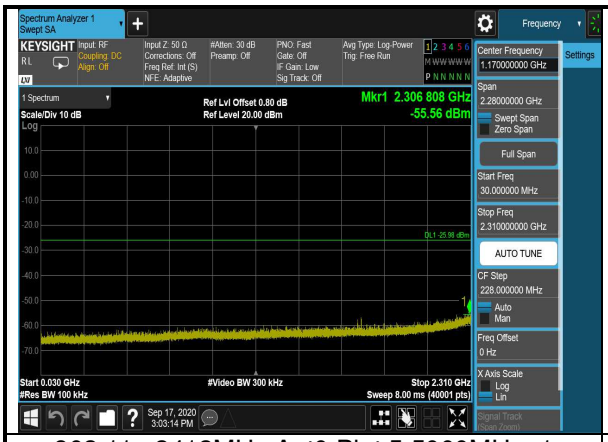


802.11g,2412MHz,Ant0,Plot 3,30MHz~2310MHz

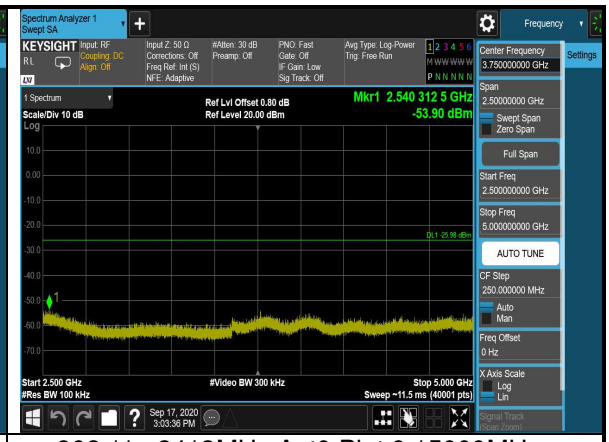


802.11g,2412MHz,Ant0,Plot 4,2500MHz~5000MHz

TEST REPORT

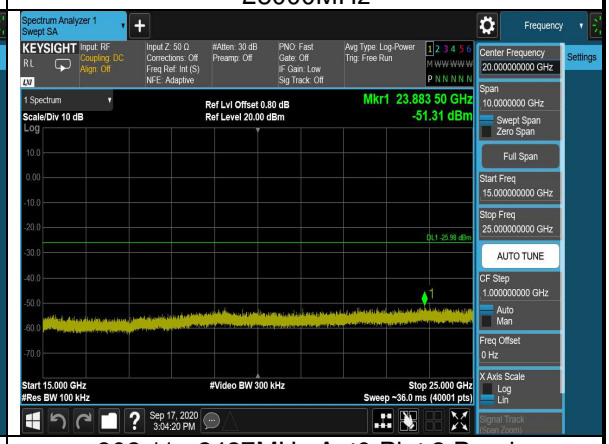


802.11g,2412MHz,Ant0,Plot 5,5000MHz~15000MHz



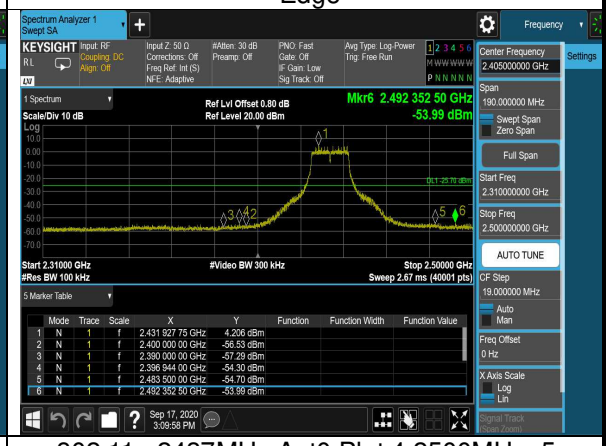
802.11g,2412MHz,Ant0,Plot 6,15000MHz~25000MHz

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



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

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



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