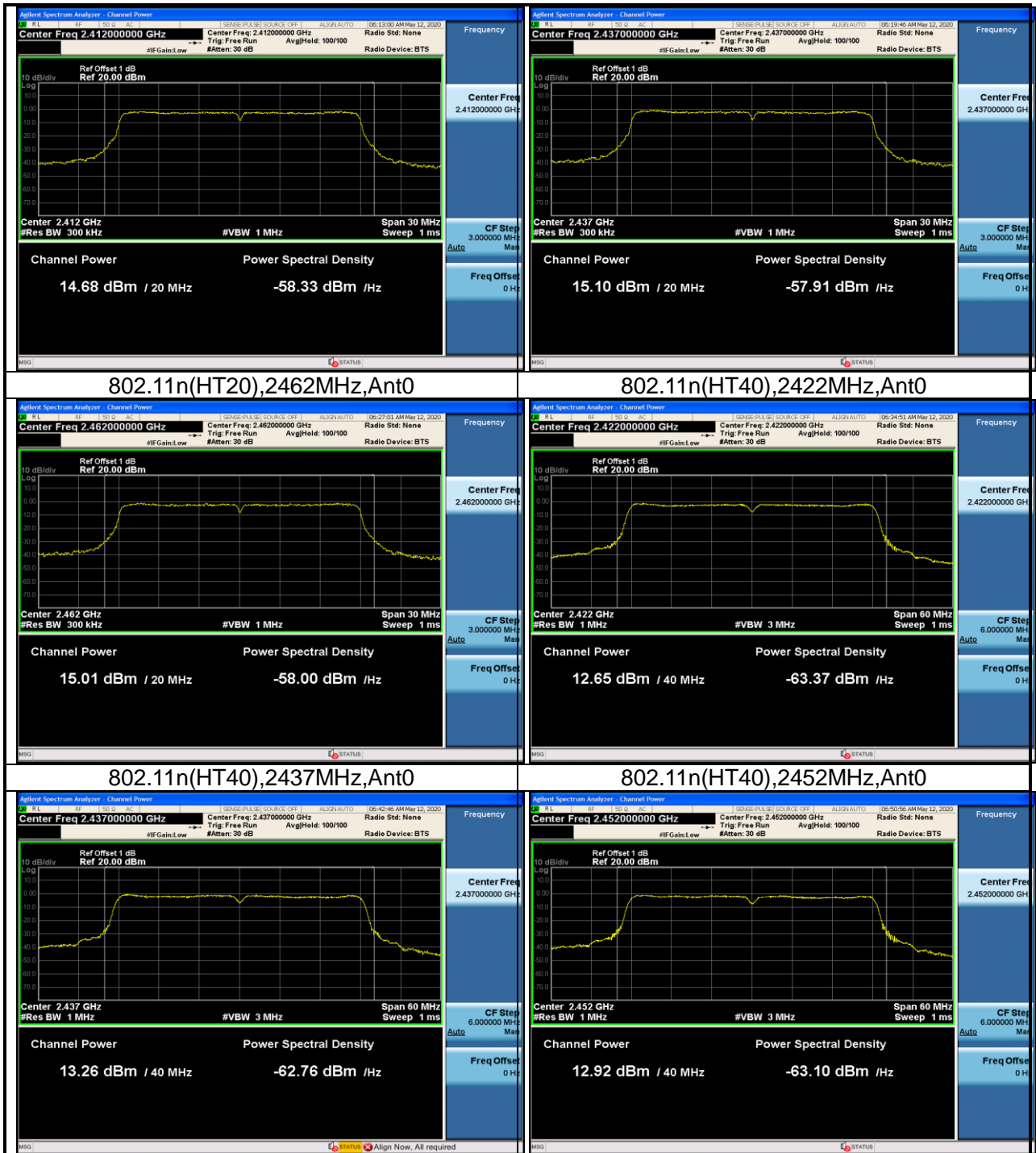




## TEST REPORT



**TEST REPORT**

5. Power spectrum density

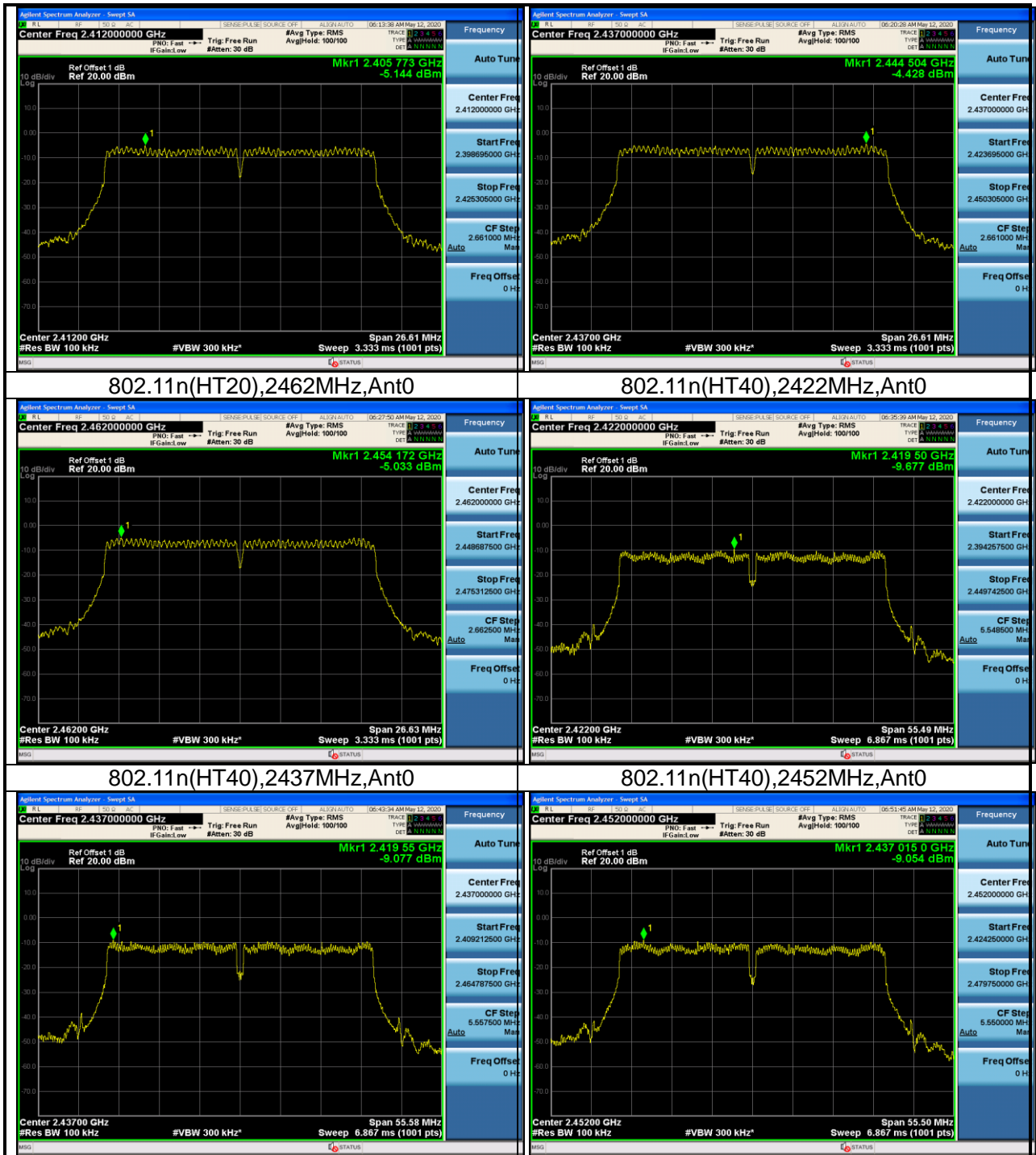
5.1 Test Data

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	0.10	-0.661	100	8	Pass
802.11b	2437	Ant0	0.10	-0.174	100	8	Pass
802.11b	2462	Ant0	0.10	-0.446	100	8	Pass
802.11g	2412	Ant0	0.57	-2.632	100	8	Pass
802.11g	2437	Ant0	0.57	-2.221	100	8	Pass
802.11g	2462	Ant0	0.57	-1.280	100	8	Pass
802.11n (HT20)	2412	Ant0	1.09	-4.054	100	8	Pass
802.11n (HT20)	2437	Ant0	1.11	-3.318	100	8	Pass
802.11n (HT20)	2462	Ant0	1.15	-3.883	100	8	Pass
802.11n (HT40)	2422	Ant0	2.04	-7.637	100	8	Pass
802.11n (HT40)	2437	Ant0	1.96	-7.117	100	8	Pass
802.11n (HT40)	2452	Ant0	1.96	-7.094	100	8	Pass

5.2 Test Plots



## TEST REPORT



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	7.32	Pass
802.11b	2412	Ant0	2	Band Edge	-39.20	Pass
802.11b	2412	Ant0	3	30MHz~2310MHz	-53.09	Pass
802.11b	2412	Ant0	4	2500MHz~5000MHz	-37.64	Pass
802.11b	2412	Ant0	5	5000MHz~15000MHz	-53.11	Pass
802.11b	2412	Ant0	6	15000MHz~25000MHz	-46.67	Pass
802.11b	2437	Ant0	1	Reference Level	7.42	Pass
802.11b	2437	Ant0	2	Band Edge	-52.42	Pass
802.11b	2437	Ant0	3	30MHz~2310MHz	-53.82	Pass
802.11b	2437	Ant0	4	2500MHz~5000MHz	-37.87	Pass
802.11b	2437	Ant0	5	5000MHz~15000MHz	-52.99	Pass
802.11b	2437	Ant0	6	15000MHz~25000MHz	-46.81	Pass
802.11b	2462	Ant0	1	Reference Level	7.63	Pass
802.11b	2462	Ant0	2	Band Edge	-53.10	Pass
802.11b	2462	Ant0	3	30MHz~2310MHz	-54.47	Pass
802.11b	2462	Ant0	4	2500MHz~5000MHz	-38.95	Pass
802.11b	2462	Ant0	5	5000MHz~15000MHz	-53.33	Pass
802.11b	2462	Ant0	6	15000MHz~25000MHz	-47.53	Pass
802.11g	2412	Ant0	1	Reference Level	6.17	Pass
802.11g	2412	Ant0	2	Band Edge	-25.81	Pass
802.11g	2412	Ant0	3	30MHz~2310MHz	-52.14	Pass
802.11g	2412	Ant0	4	2500MHz~5000MHz	-48.31	Pass
802.11g	2412	Ant0	5	5000MHz~15000MHz	-52.97	Pass
802.11g	2412	Ant0	6	15000MHz~25000MHz	-47.60	Pass
802.11g	2437	Ant0	1	Reference Level	6.90	Pass

**TEST REPORT**

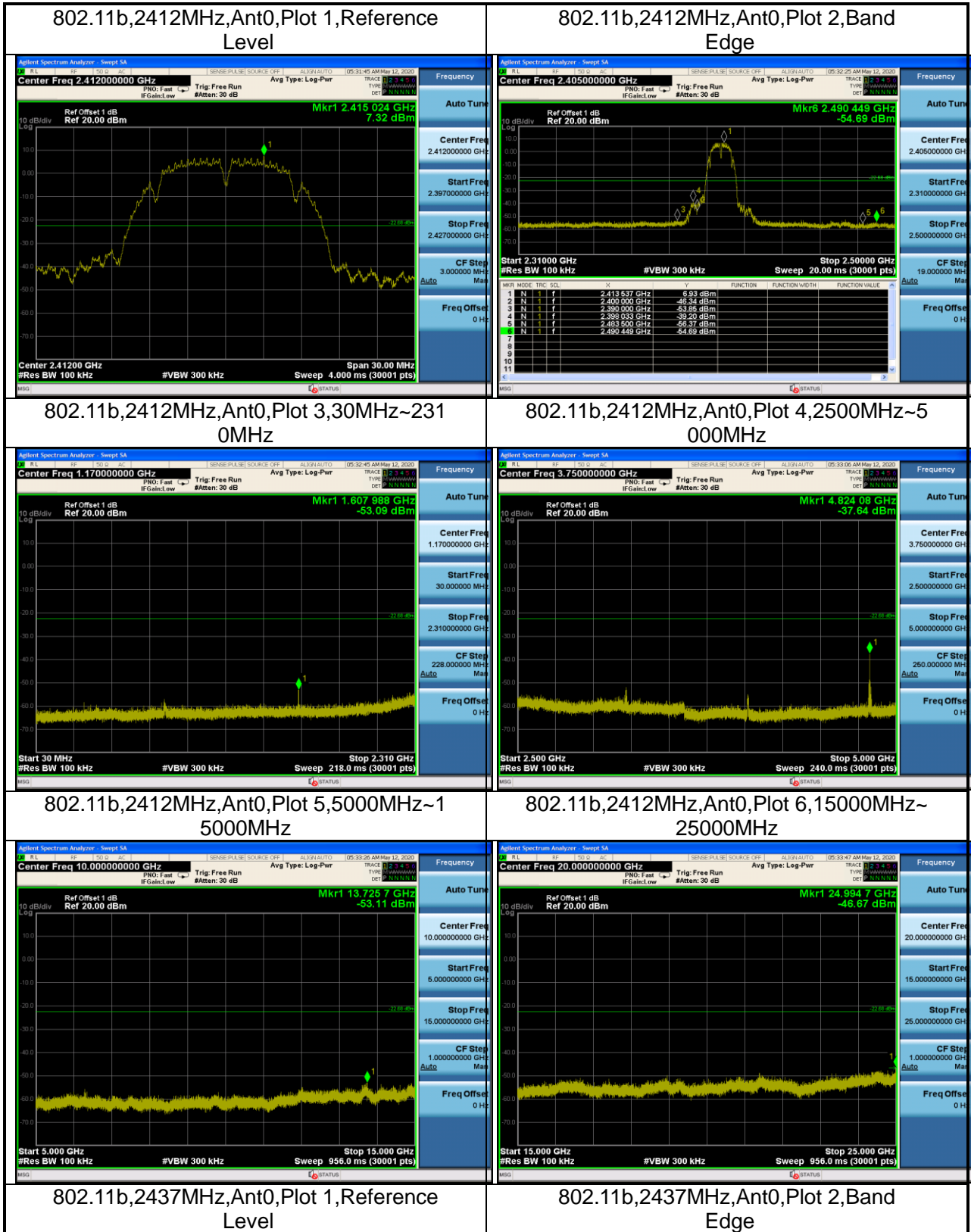
802.11g	2437	Ant0	2	Band Edge	-50.96	Pass
802.11g	2437	Ant0	3	30MHz~2310MHz	-53.82	Pass
802.11g	2437	Ant0	4	2500MHz~5000MHz	-45.70	Pass
802.11g	2437	Ant0	5	5000MHz~15000MHz	-52.63	Pass
802.11g	2437	Ant0	6	15000MHz~25000MHz	-46.23	Pass
802.11g	2462	Ant0	1	Reference Level	6.65	Pass
802.11g	2462	Ant0	2	Band Edge	-36.65	Pass
802.11g	2462	Ant0	3	30MHz~2310MHz	-53.99	Pass
802.11g	2462	Ant0	4	2500MHz~5000MHz	-47.10	Pass
802.11g	2462	Ant0	5	5000MHz~15000MHz	-53.65	Pass
802.11g	2462	Ant0	6	15000MHz~25000MHz	-46.64	Pass
802.11n (HT20)	2412	Ant0	1	Reference Level	5.05	Pass
802.11n (HT20)	2412	Ant0	2	Band Edge	-32.90	Pass
802.11n (HT20)	2412	Ant0	3	30MHz~2310MHz	-53.08	Pass
802.11n (HT20)	2412	Ant0	4	2500MHz~5000MHz	-46.29	Pass
802.11n (HT20)	2412	Ant0	5	5000MHz~15000MHz	-52.93	Pass
802.11n (HT20)	2412	Ant0	6	15000MHz~25000MHz	-47.28	Pass
802.11n (HT20)	2437	Ant0	1	Reference Level	5.60	Pass
802.11n (HT20)	2437	Ant0	2	Band Edge	-51.64	Pass
802.11n (HT20)	2437	Ant0	3	30MHz~2310MHz	-53.64	Pass
802.11n (HT20)	2437	Ant0	4	2500MHz~5000MHz	-47.64	Pass
802.11n (HT20)	2437	Ant0	5	5000MHz~15000MHz	-52.71	Pass
802.11n (HT20)	2437	Ant0	6	15000MHz~25000MHz	-47.07	Pass
802.11n (HT20)	2462	Ant0	1	Reference Level	5.53	Pass
802.11n (HT20)	2462	Ant0	2	Band Edge	-40.21	Pass
802.11n (HT20)	2462	Ant0	3	30MHz~2310MHz	-50.97	Pass
802.11n (HT20)	2462	Ant0	4	2500MHz~5000MHz	-48.10	Pass
802.11n (HT20)	2462	Ant0	5	5000MHz~15000MHz	-52.90	Pass
802.11n (HT20)	2462	Ant0	6	15000MHz~25000MHz	-46.55	Pass

**TEST REPORT**

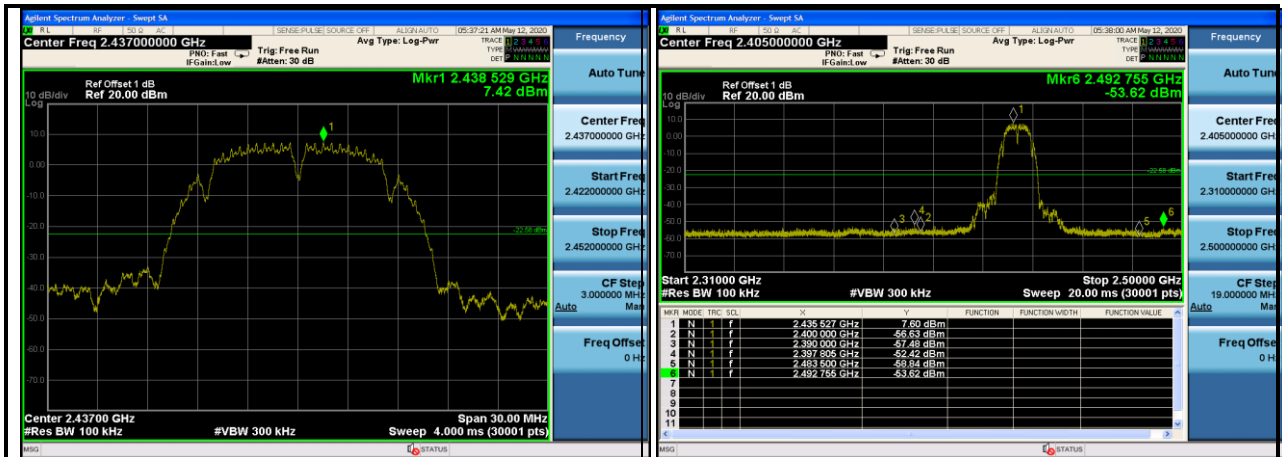
802.11n (HT40)	2422	Ant0	1	Reference Level	0.97	Pass
802.11n (HT40)	2422	Ant0	2	Band Edge	-33.21	Pass
802.11n (HT40)	2422	Ant0	3	30MHz~2310MHz	-51.06	Pass
802.11n (HT40)	2422	Ant0	4	2500MHz~5000MHz	-45.80	Pass
802.11n (HT40)	2422	Ant0	5	5000MHz~15000MHz	-53.37	Pass
802.11n (HT40)	2422	Ant0	6	15000MHz~25000MHz	-47.71	Pass
802.11n (HT40)	2437	Ant0	1	Reference Level	1.61	Pass
802.11n (HT40)	2437	Ant0	2	Band Edge	-36.05	Pass
802.11n (HT40)	2437	Ant0	3	30MHz~2310MHz	-52.82	Pass
802.11n (HT40)	2437	Ant0	4	2500MHz~5000MHz	-47.88	Pass
802.11n (HT40)	2437	Ant0	5	5000MHz~15000MHz	-52.14	Pass
802.11n (HT40)	2437	Ant0	6	15000MHz~25000MHz	-47.03	Pass
802.11n (HT40)	2452	Ant0	1	Reference Level	1.43	Pass
802.11n (HT40)	2452	Ant0	2	Band Edge	-42.69	Pass
802.11n (HT40)	2452	Ant0	3	30MHz~2310MHz	-52.11	Pass
802.11n (HT40)	2452	Ant0	4	2500MHz~5000MHz	-46.97	Pass
802.11n (HT40)	2452	Ant0	5	5000MHz~15000MHz	-52.96	Pass
802.11n (HT40)	2452	Ant0	6	15000MHz~25000MHz	-47.71	Pass

9.2 Test Plots



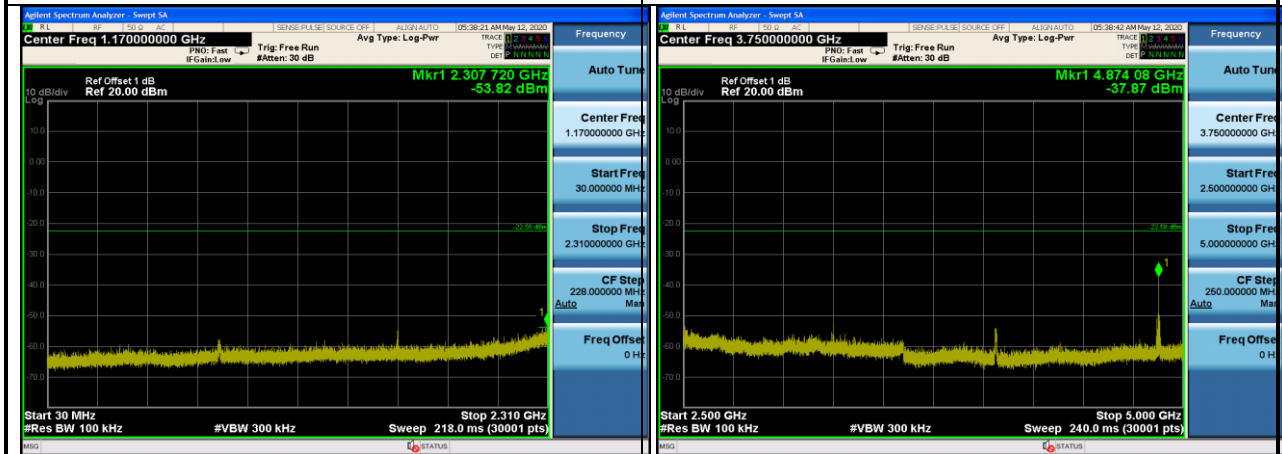


## TEST REPORT



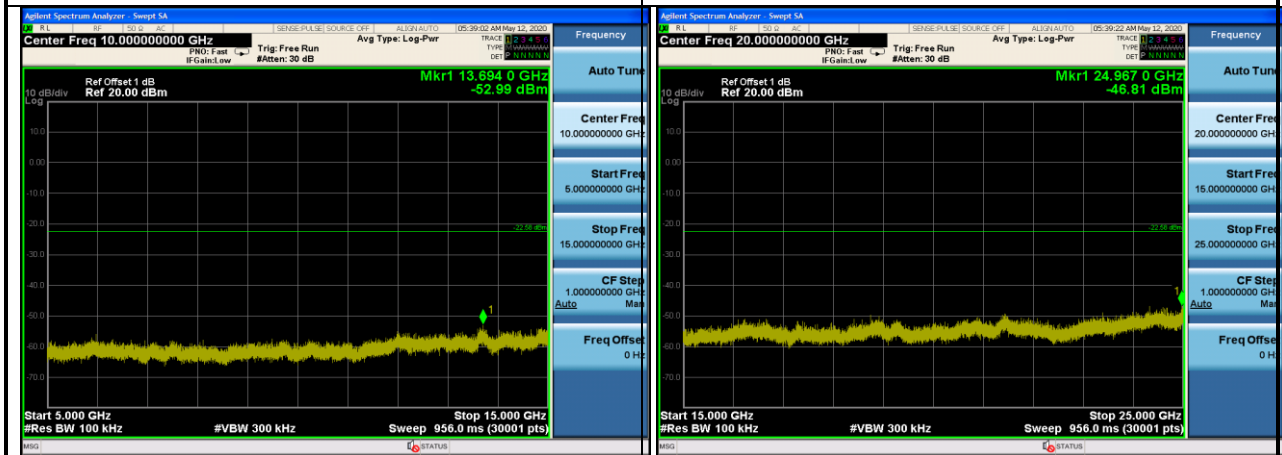
802.11b,2437MHz,Ant0,Plot 3,30MHz~231 0MHz

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



802.11b,2437MHz,Ant0,Plot 5,5000MHz~1 5000MHz

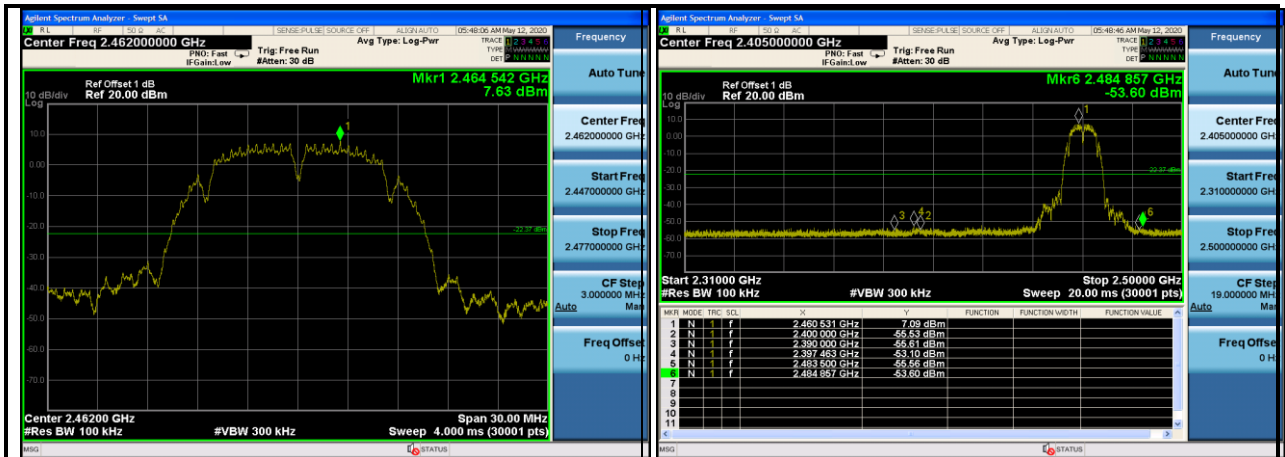
802.11b,2437MHz,Ant0,Plot 6,15000MHz~2 5000MHz



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

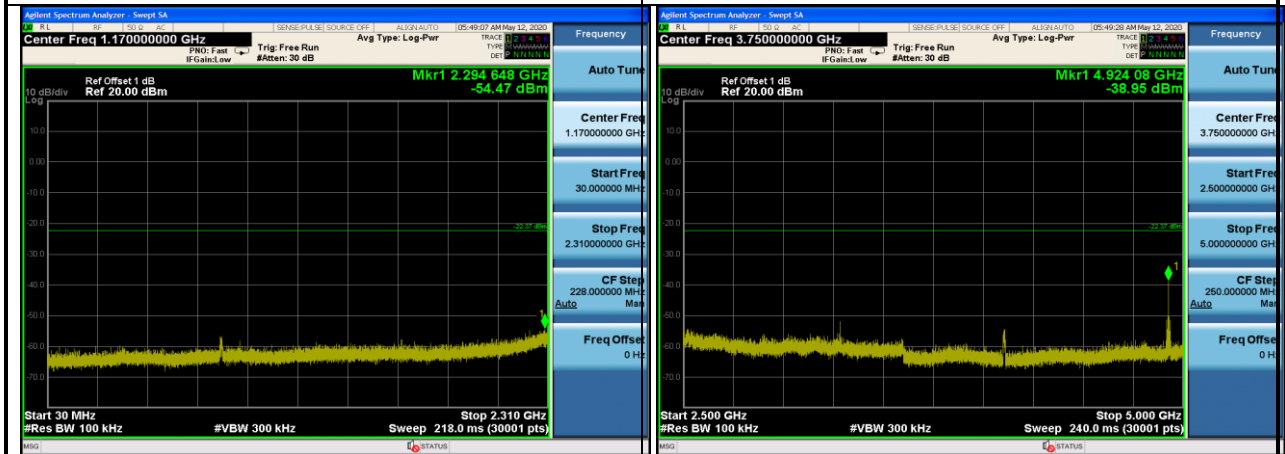
802.11b,2462MHz,Ant0,Plot 2,Band Edge

## TEST REPORT



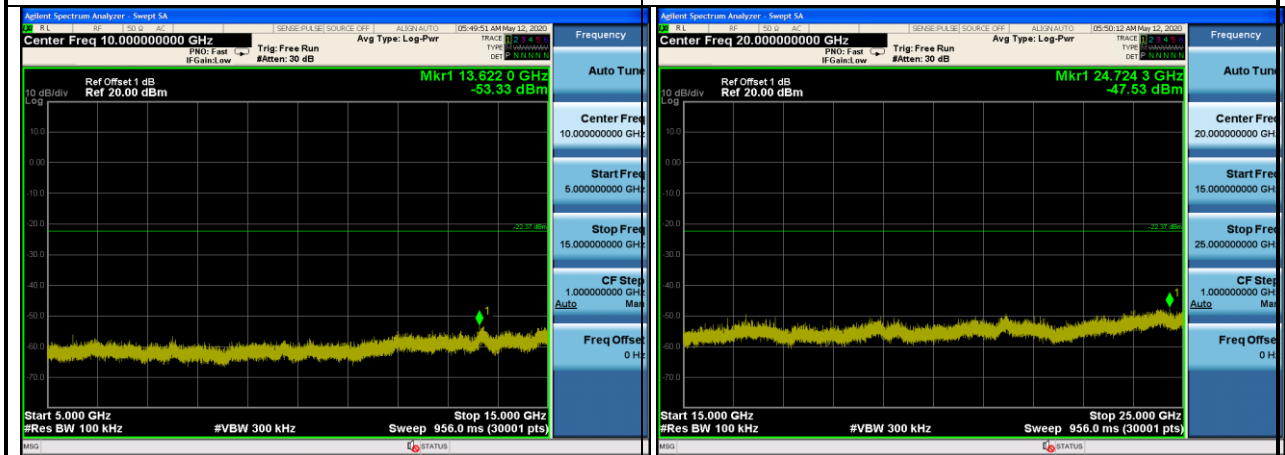
802.11b,2462MHz,Ant0,Plot 3,30MHz~231 0MHz

802.11b,2462MHz,Ant0,Plot 4,2500MHz~5 000MHz



802.11b,2462MHz,Ant0,Plot 5,5000MHz~1 5000MHz

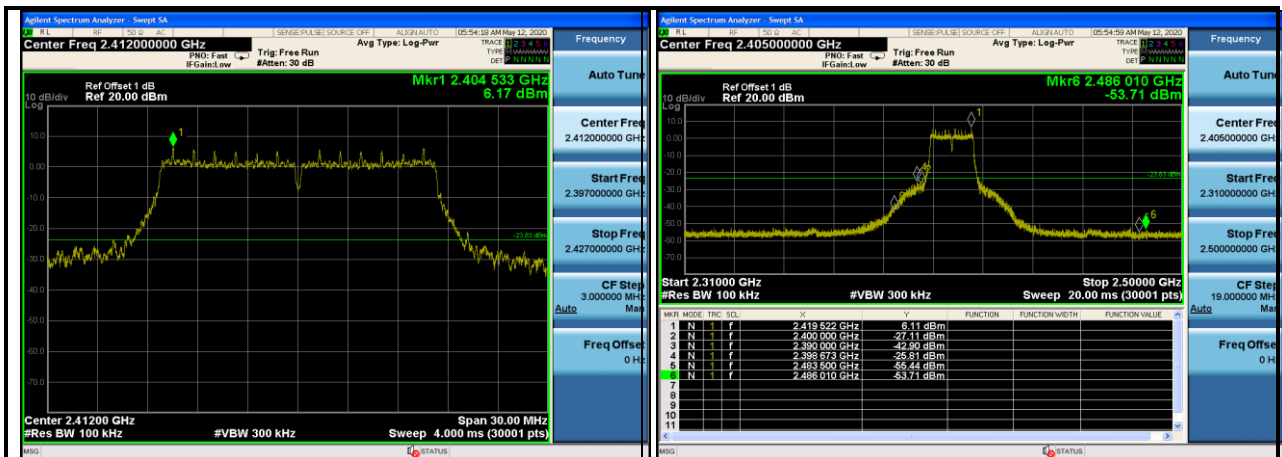
802.11b,2462MHz,Ant0,Plot 6,15000MHz~ 25000MHz



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

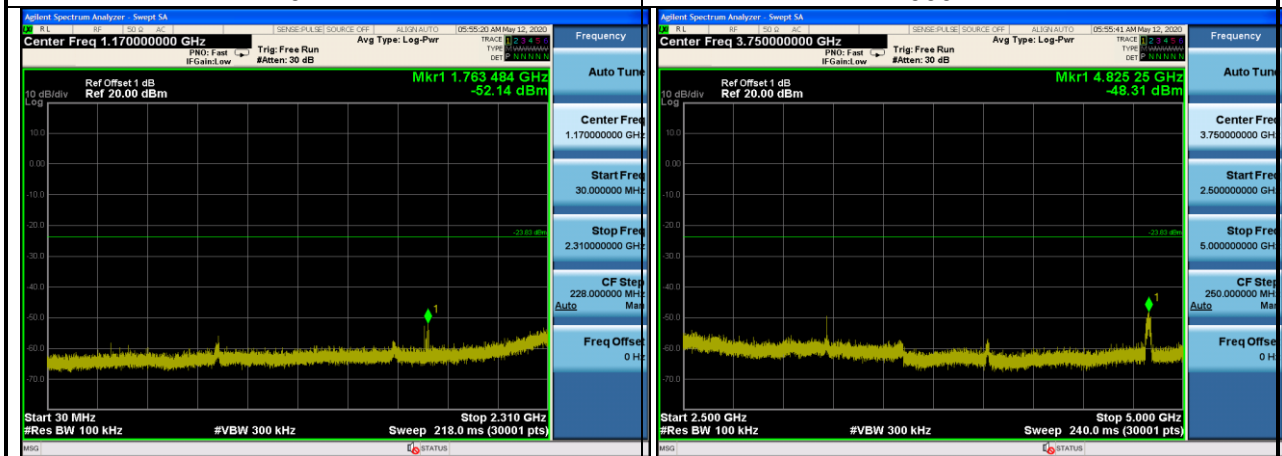
802.11g,2412MHz,Ant0,Plot 2,Band Edge

## TEST REPORT



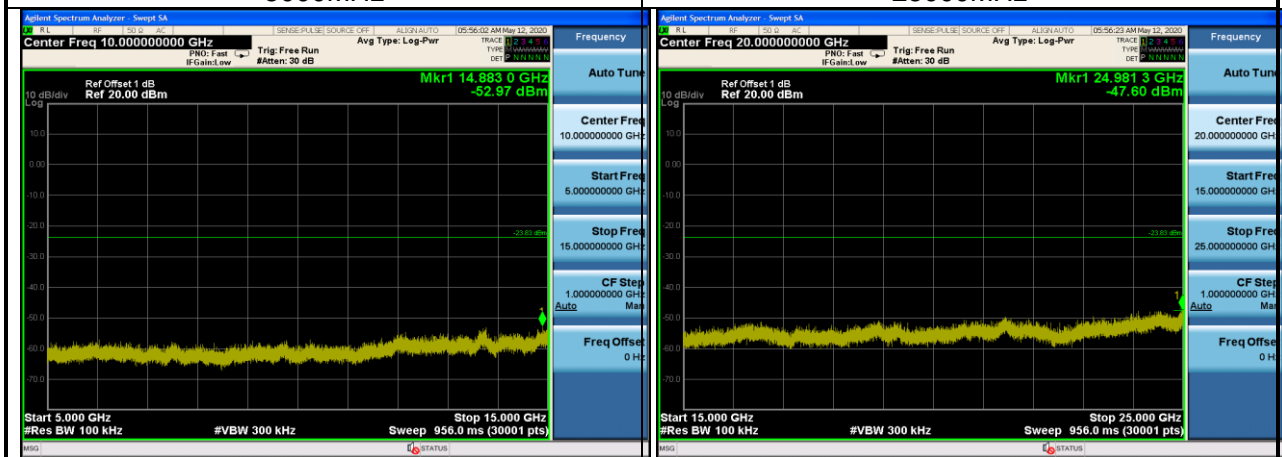
802.11g,2412MHz,Ant0,Plot 3,30MHz~2310MHz

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



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

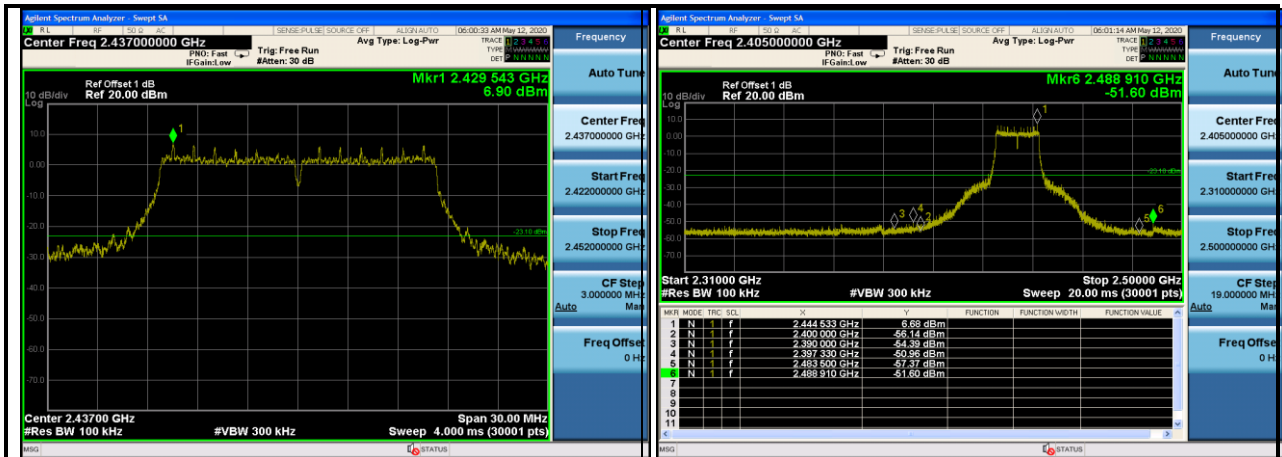
802.11g,2412MHz,Ant0,Plot 6,15000MHz~25000MHz



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

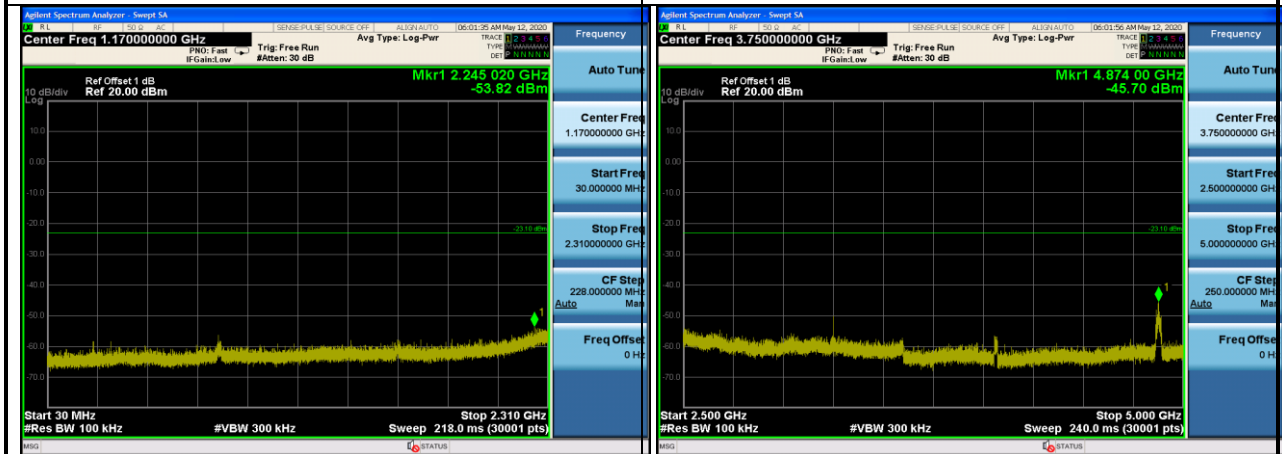
802.11g,2437MHz,Ant0,Plot 2,Band Edge

## TEST REPORT



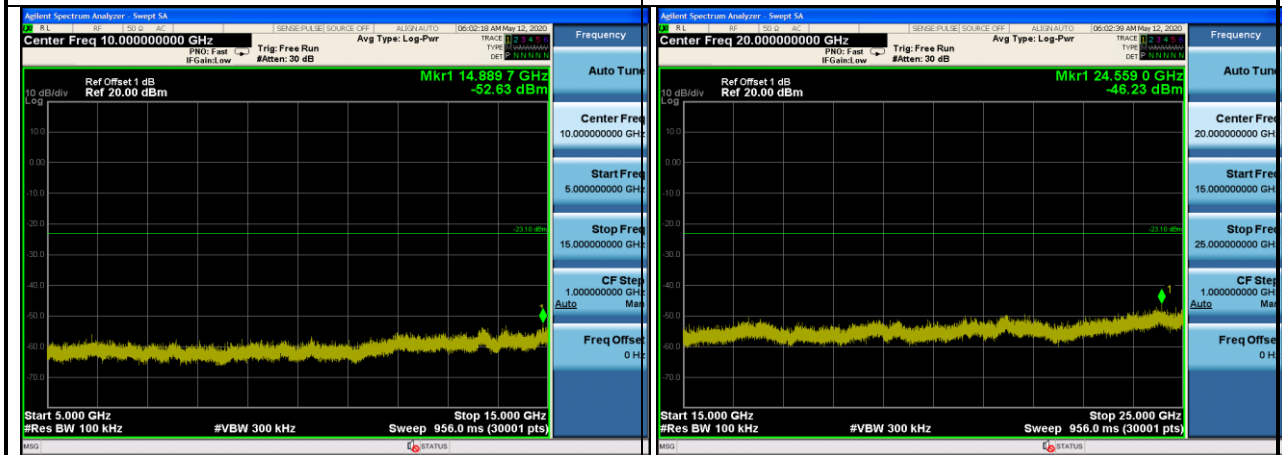
802.11g,2437MHz,Ant0,Plot 3,30MHz~2310MHz

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



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

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



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

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