

TEST REPORT

Appendix A: Test results

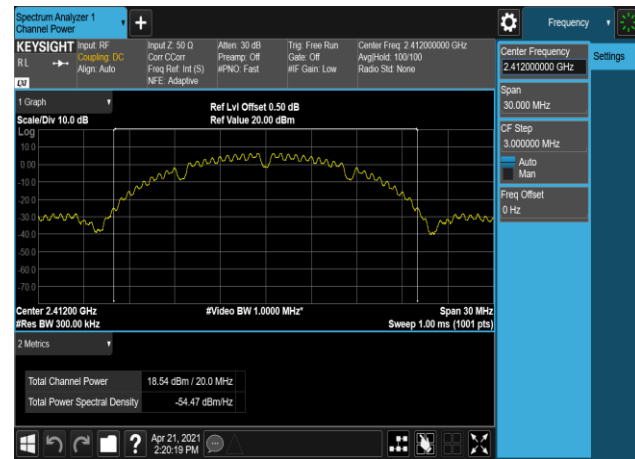
A.1 RF Output Power

A.1.1 Test Result and Data

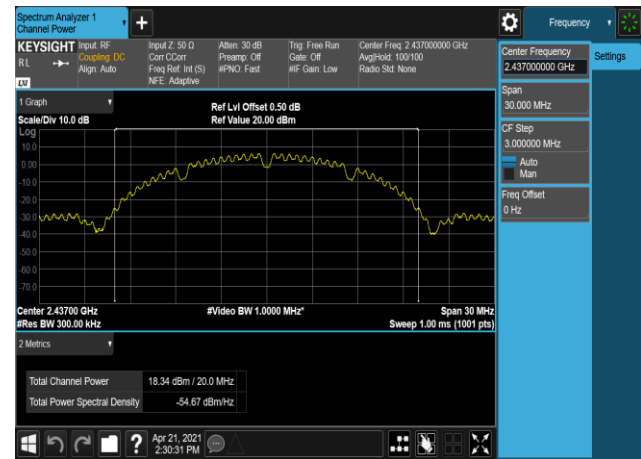
Mode	Test Frequency (MHz)	Ant	Max Power (dBm)	Limit (dBm)	EIRP (dBm)	Result
802.11b	2412	Ant0	18.54	30	22.24	Pass
802.11b	2437	Ant0	18.34	30	22.04	Pass
802.11b	2462	Ant0	18.34	30	22.04	Pass
802.11g	2412	Ant0	19.82	30	23.52	Pass
802.11g	2437	Ant0	19.59	30	23.29	Pass
802.11g	2462	Ant0	19.67	30	23.37	Pass
802.11n (HT20)	2412	Ant0	19.13	30	22.83	Pass
802.11n (HT20)	2437	Ant0	18.96	30	22.66	Pass
802.11n (HT20)	2462	Ant0	18.98	30	22.68	Pass
802.11n (HT40)	2422	Ant0	18.69	30	22.39	Pass
802.11n (HT40)	2437	Ant0	18.46	30	22.16	Pass
802.11n (HT40)	2452	Ant0	18.60	30	22.30	Pass

TEST REPORT

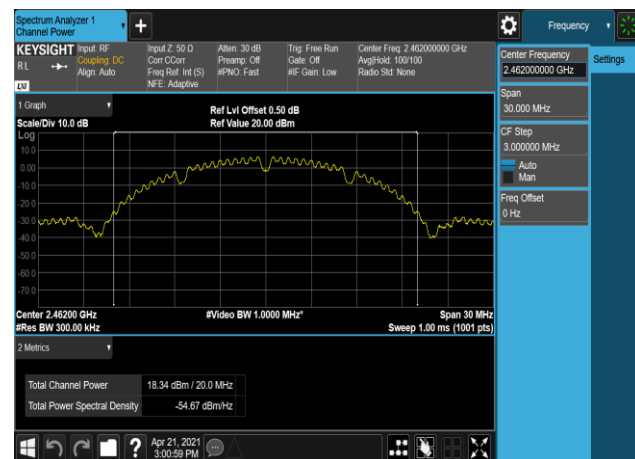
802.11b,2412MHz,Ant0



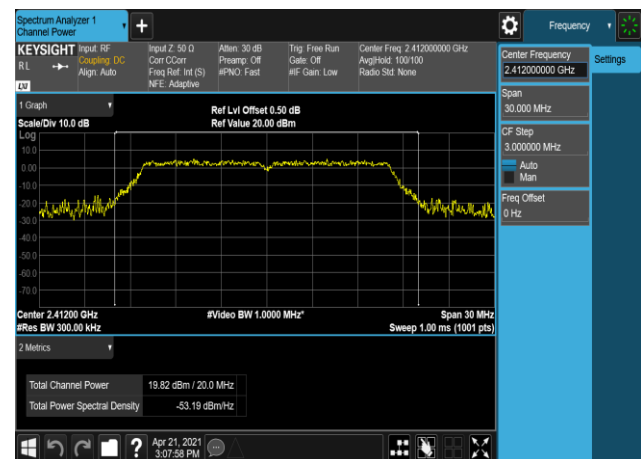
802.11b,2437MHz,Ant0



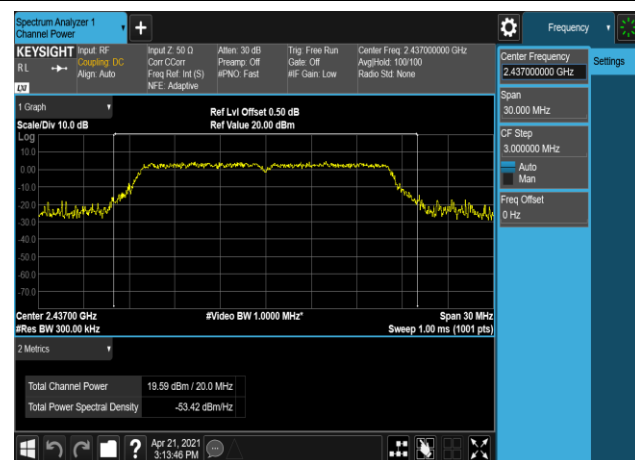
802.11b,2462MHz,Ant0



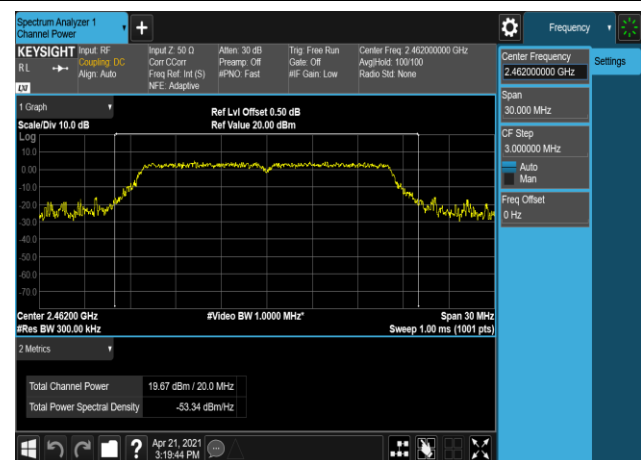
802.11g,2412MHz,Ant0



802.11g,2437MHz,Ant0



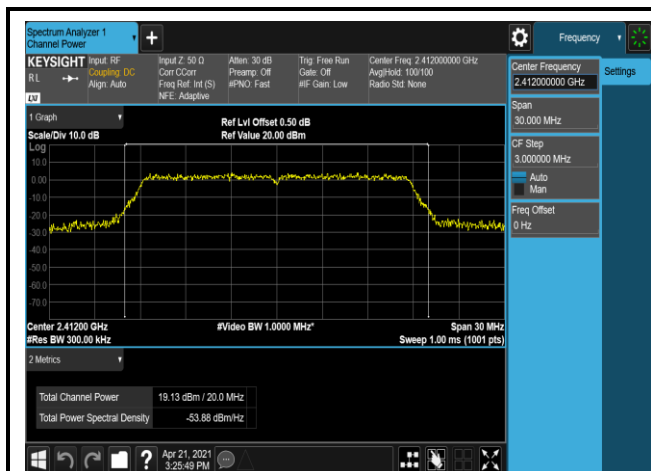
802.11g,2462MHz,Ant0



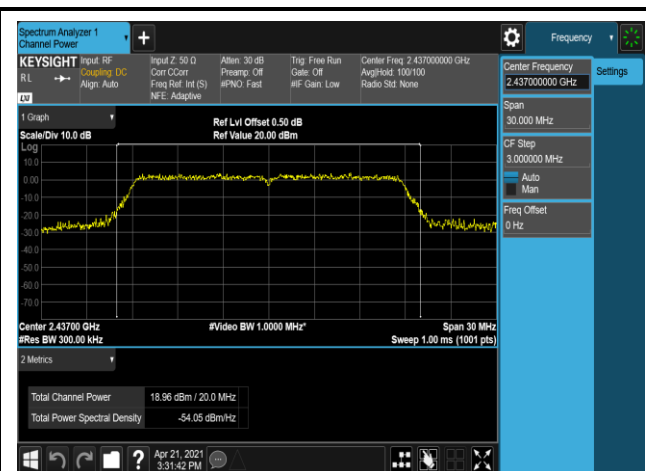
802.11n(HT20),2412MHz,Ant0

802.11n(HT20),2437MHz,Ant0

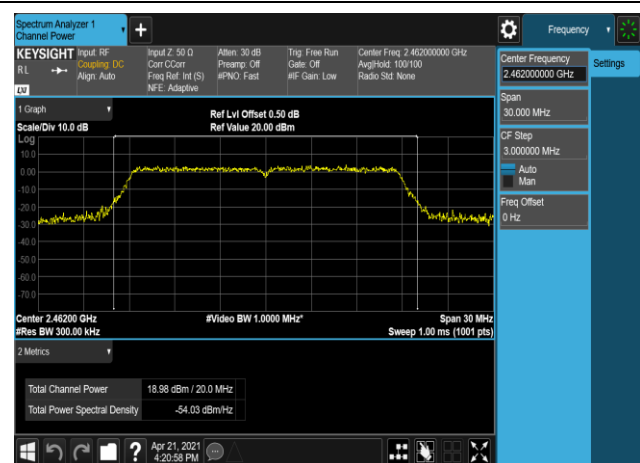
TEST REPORT



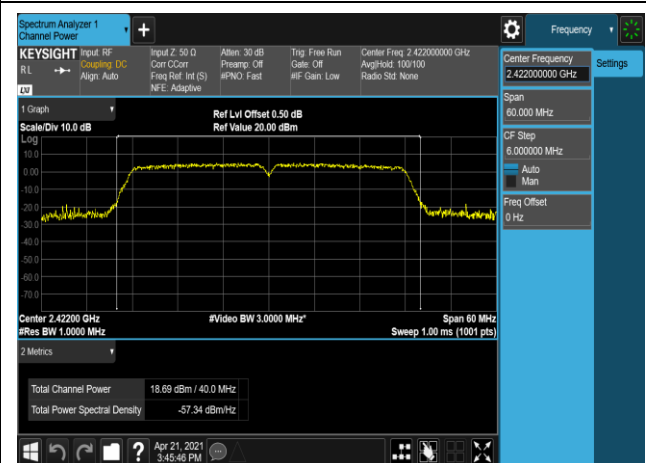
802.11n(HT20),2462MHz,Ant0



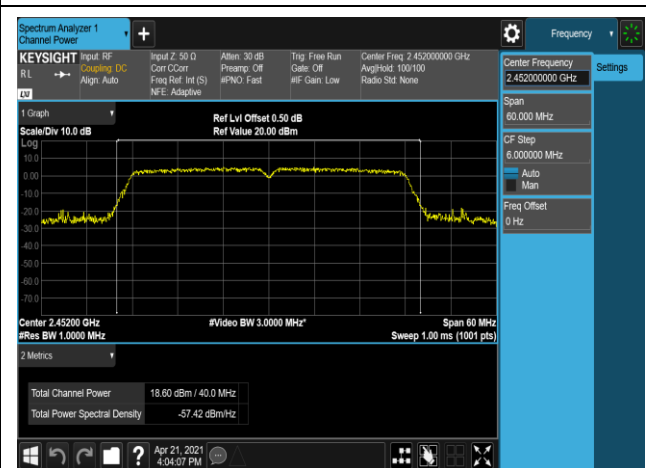
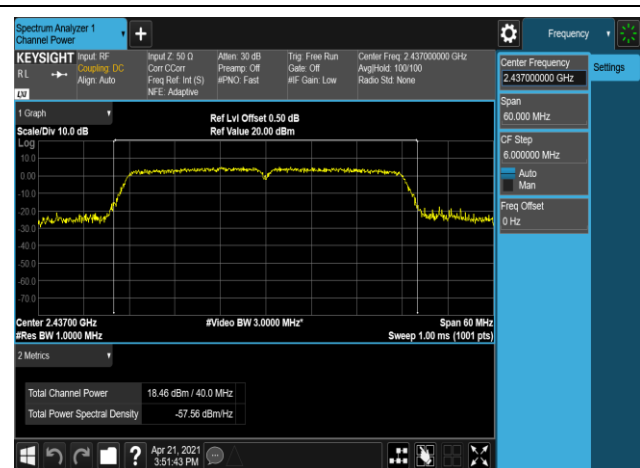
802.11n(HT40),2422MHz,Ant0



802.11n(HT40),2437MHz,Ant0



802.11n(HT40),2452MHz,Ant0



TEST REPORT

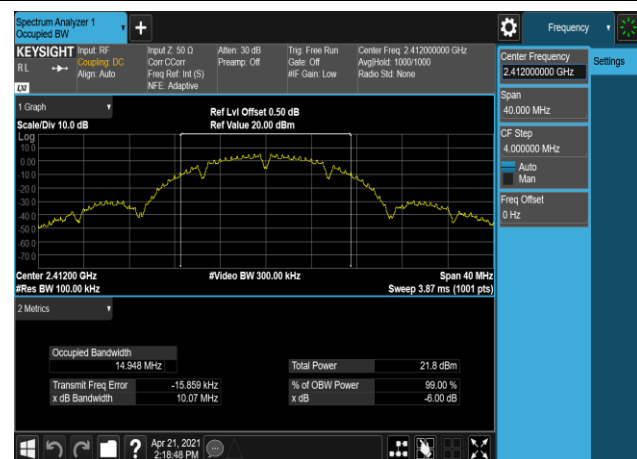
A.2 6dB Down Bandwidth

A.2.1 Test Result and Data

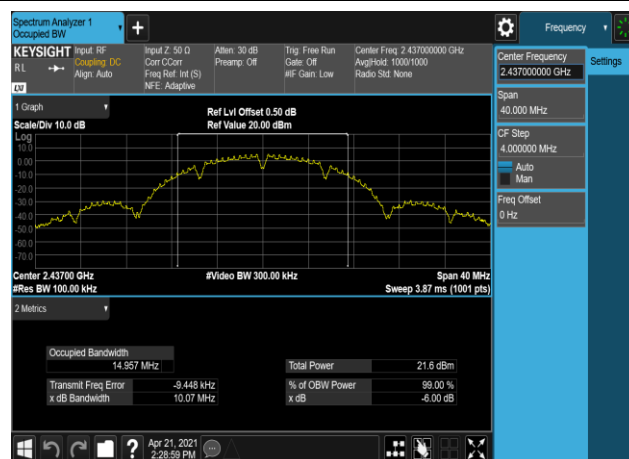
WLAN Occupied 6dB Bandwidth				
Mode	Test Frequency (MHz)	Ant	Occupied Bandwidth (MHz)	Result
802.11b	2412	Ant0	10.07	Pass
802.11b	2437	Ant0	10.07	Pass
802.11b	2462	Ant0	10.07	Pass
802.11g	2412	Ant0	16.38	Pass
802.11g	2437	Ant0	16.38	Pass
802.11g	2462	Ant0	16.38	Pass
802.11n (HT20)	2412	Ant0	17.61	Pass
802.11n (HT20)	2437	Ant0	17.61	Pass
802.11n (HT20)	2462	Ant0	17.61	Pass
802.11n (HT40)	2422	Ant0	35.25	Pass
802.11n (HT40)	2437	Ant0	35.43	Pass
802.11n (HT40)	2452	Ant0	35.42	Pass

TEST REPORT

802.11b,2412MHz,Ant0



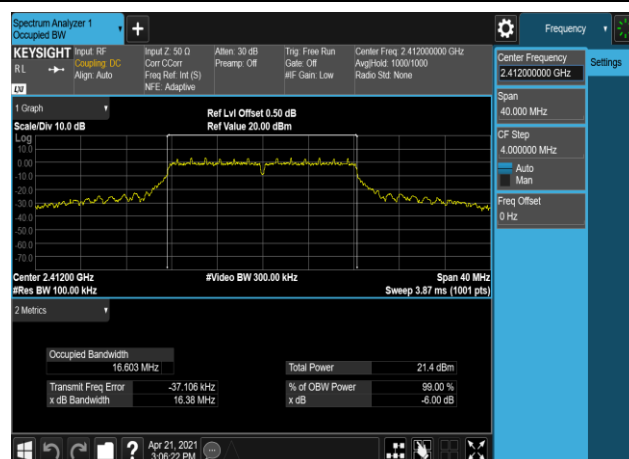
802.11b,2437MHz,Ant0



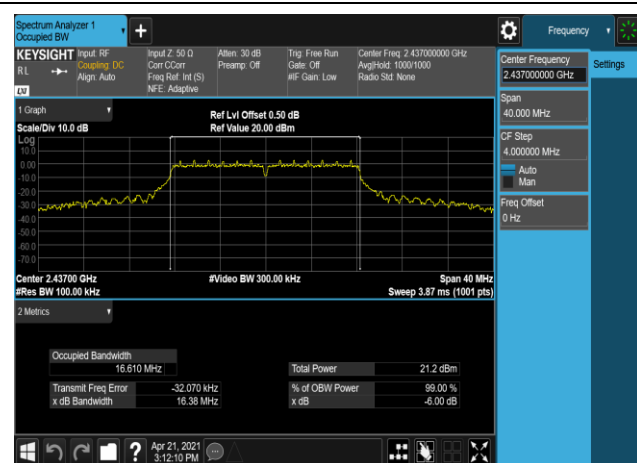
802.11b,2462MHz,Ant0



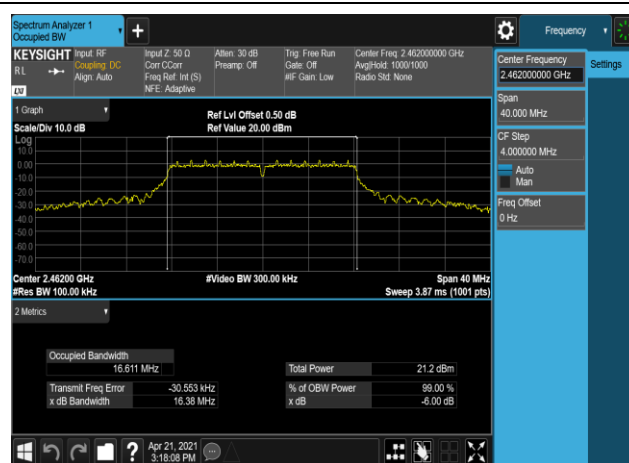
802.11g,2412MHz,Ant0



802.11g,2437MHz,Ant0

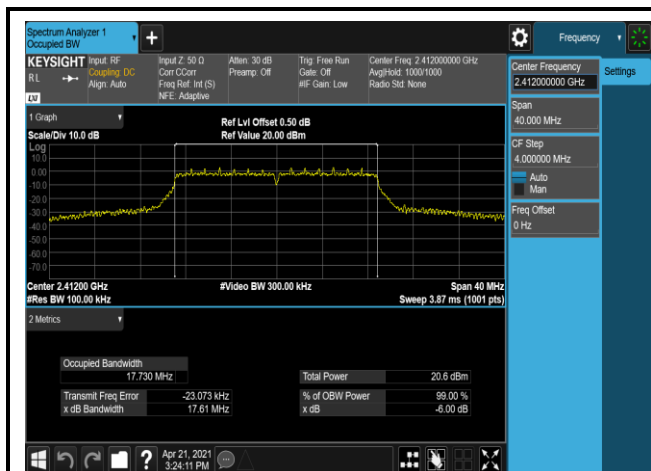


802.11g,2462MHz,Ant0

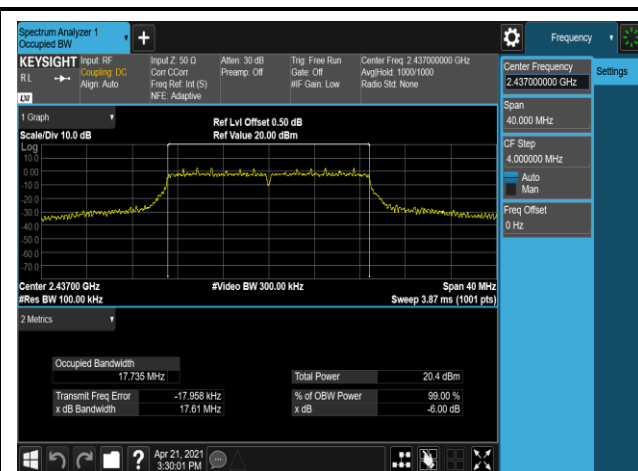


802.11n(HT20),2412MHz,Ant0

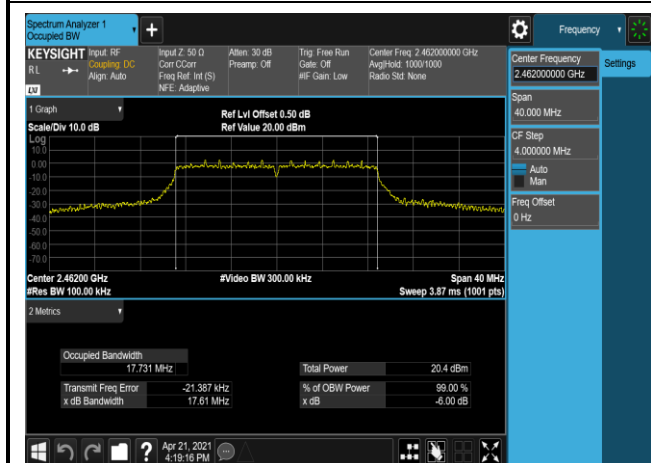
802.11n(HT20),2437MHz,Ant0



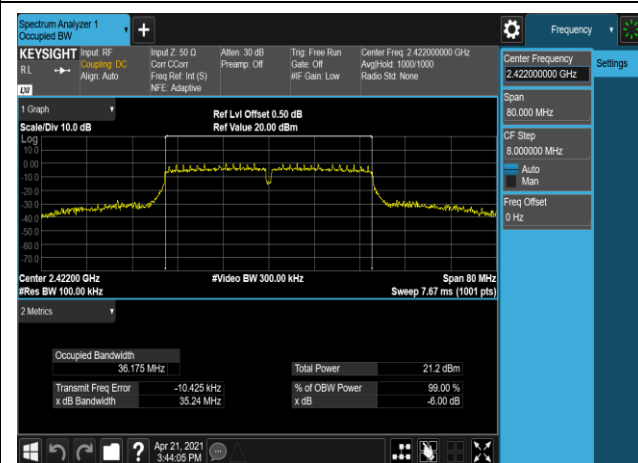
802.11n(HT20),2462MHz,Ant0



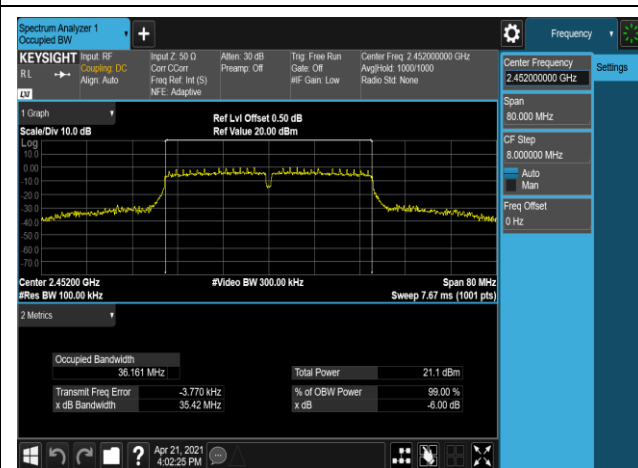
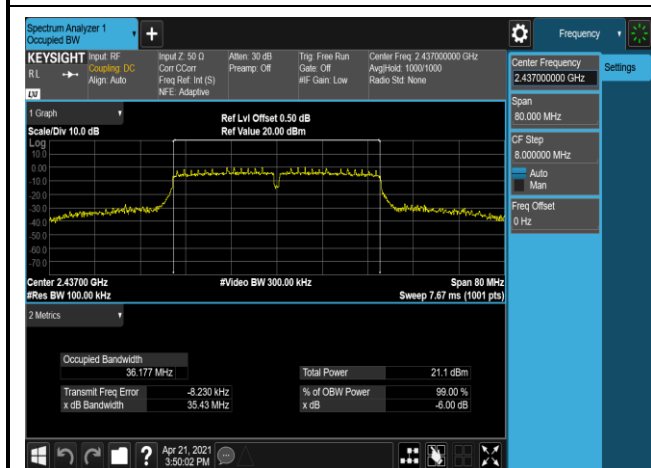
802.11n(HT40),2422MHz,Ant0



802.11n(HT40),2437MHz,Ant0



802.11n(HT40),2452MHz,Ant0



TEST REPORT

A.3 99% BandWidth

A.3.1 Test Result and Data

WLAN 99% Occupied Bandwidth				
Mode	Test Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Result
802.11b	2412	Ant0	14.975	Pass
802.11b	2437	Ant0	14.995	Pass
802.11b	2462	Ant0	14.972	Pass
802.11g	2412	Ant0	17.592	Pass
802.11g	2437	Ant0	17.569	Pass
802.11g	2462	Ant0	17.547	Pass
802.11n (HT20)	2412	Ant0	18.144	Pass
802.11n (HT20)	2437	Ant0	18.150	Pass
802.11n (HT20)	2462	Ant0	18.144	Pass
802.11n (HT40)	2422	Ant0	36.839	Pass
802.11n (HT40)	2437	Ant0	36.834	Pass
802.11n (HT40)	2452	Ant0	36.786	Pass

TEST REPORT

802.11b,2412MHz,Ant0



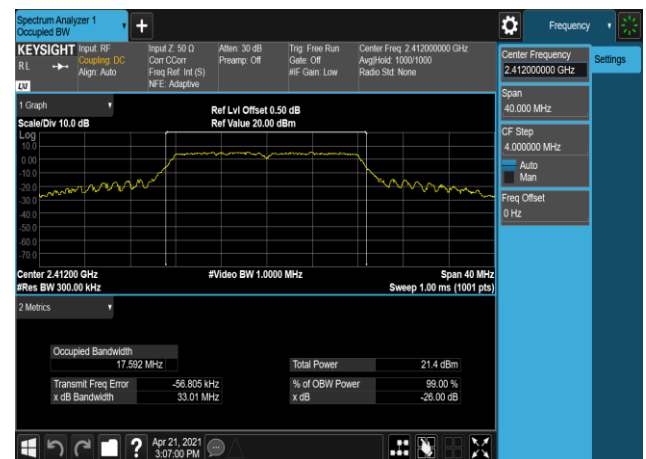
802.11b,2437MHz,Ant0



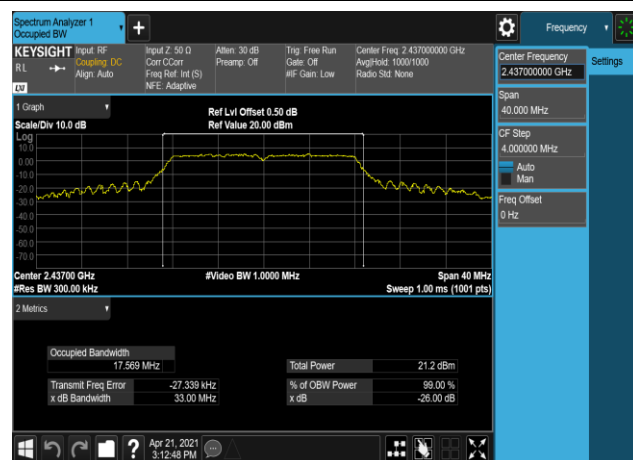
802.11b,2462MHz,Ant0



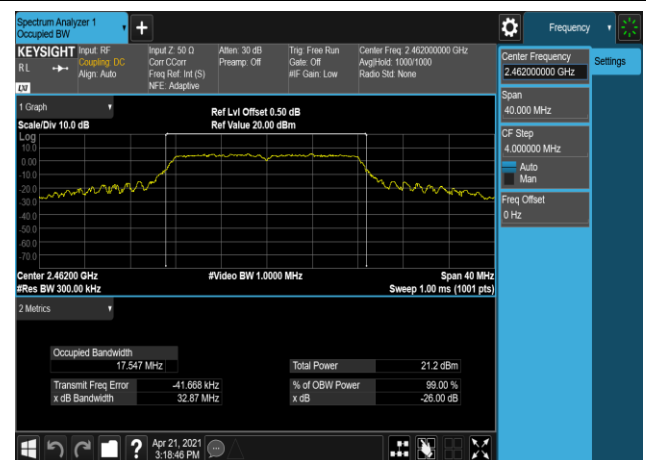
802.11g,2412MHz,Ant0



802.11g,2437MHz,Ant0



802.11g,2462MHz,Ant0



802.11n(HT20),2412MHz,Ant0

802.11n(HT20),2437MHz,Ant0

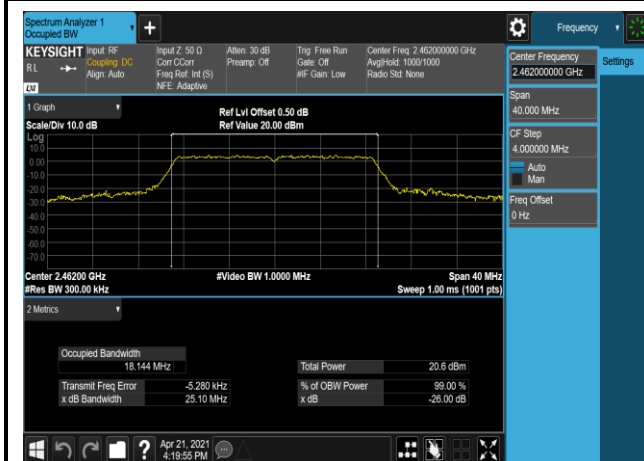
TEST REPORT



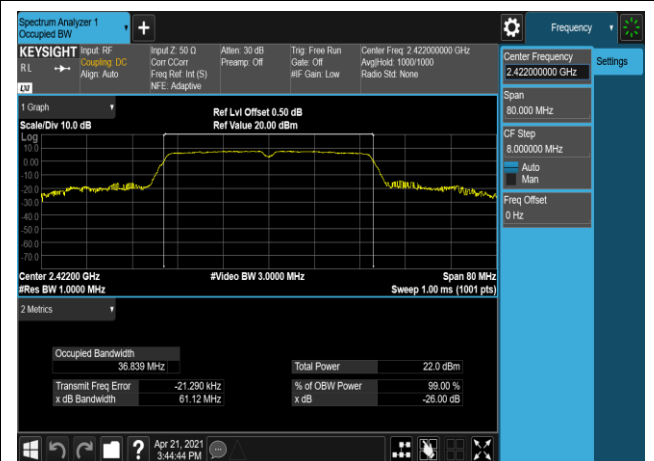
802.11n(HT20), 2462MHz, Ant0



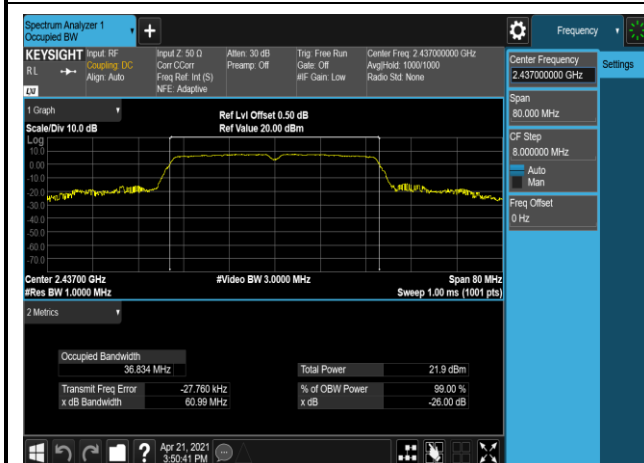
802.11n(HT40), 2422MHz, Ant0



802.11n(HT40), 2437MHz, Ant0



802.11n(HT40), 2452MHz, Ant0



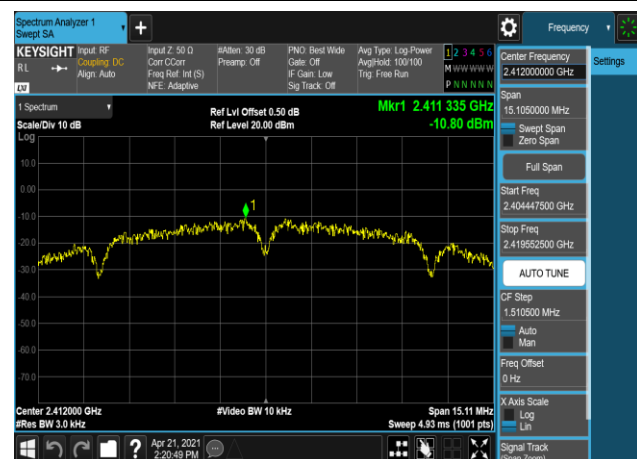
TEST REPORT

A.4 Power Spectral Density

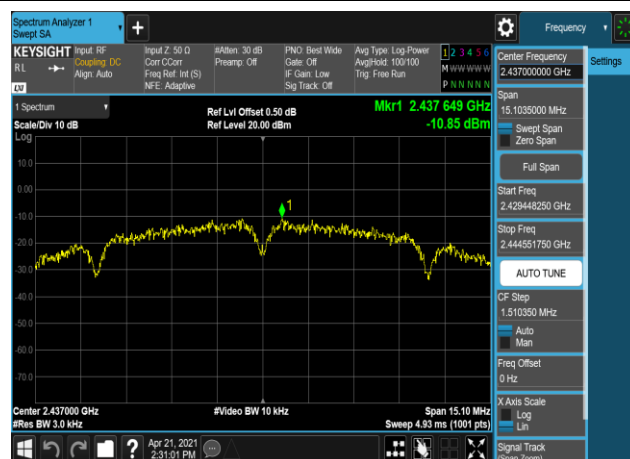
A.4.1 Test Result and Data

Mode	Test Frequency (MHz)	Ant	PSD (dBm)	RBW (kHz)	Limit (dBm)	Result
802.11b	2412	Ant0	-10.796	3	8	Pass
802.11b	2437	Ant0	-10.847	3	8	Pass
802.11b	2462	Ant0	-11.090	3	8	Pass
802.11g	2412	Ant0	-11.591	3	8	Pass
802.11g	2437	Ant0	-11.550	3	8	Pass
802.11g	2462	Ant0	-12.133	3	8	Pass
802.11n (HT20)	2412	Ant0	-12.068	3	8	Pass
802.11n (HT20)	2437	Ant0	-12.308	3	8	Pass
802.11n (HT20)	2462	Ant0	-11.835	3	8	Pass
802.11n (HT40)	2422	Ant0	-14.395	3	8	Pass
802.11n (HT40)	2437	Ant0	-14.888	3	8	Pass
802.11n (HT40)	2452	Ant0	-14.491	3	8	Pass

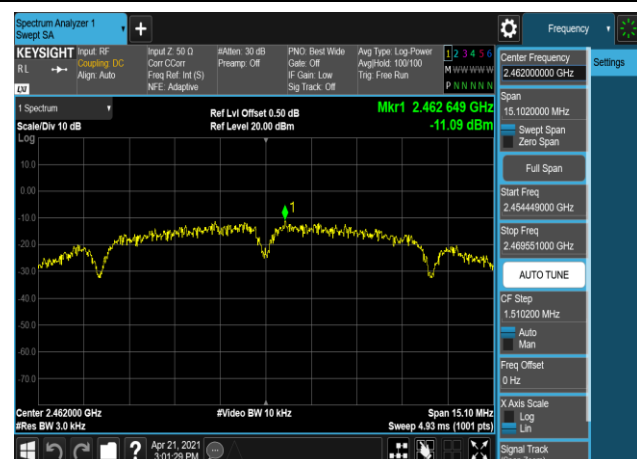
802.11b,2412MHz,Ant0



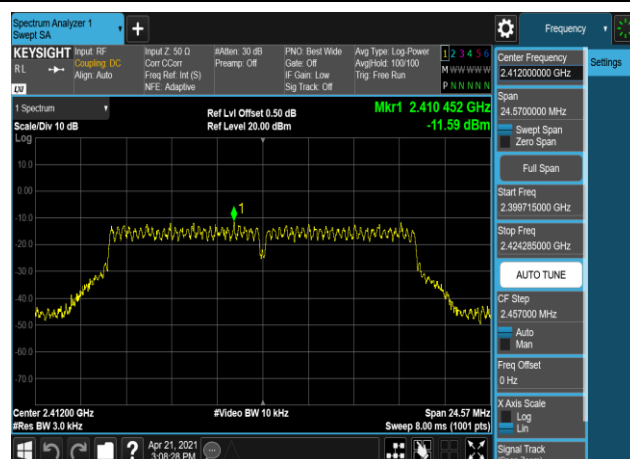
802.11b,2437MHz,Ant0



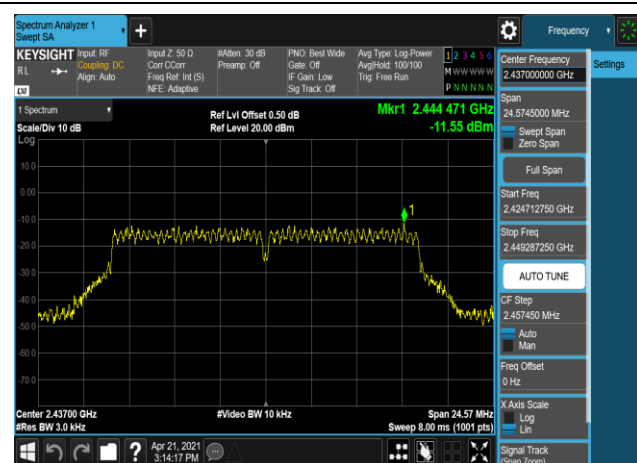
802.11b,2462MHz,Ant0



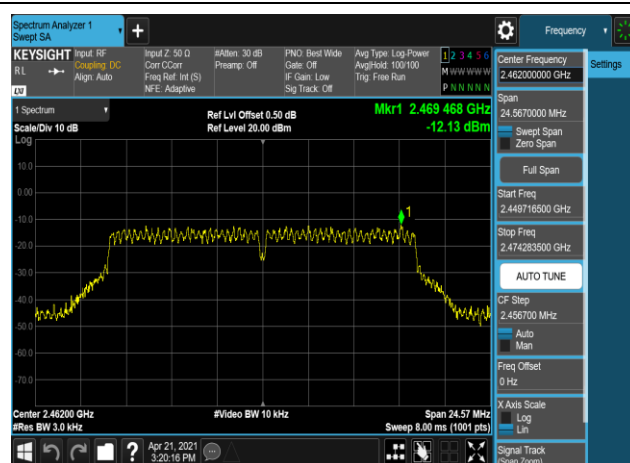
802.11g,2412MHz,Ant0



802.11g,2437MHz,Ant0



802.11g,2462MHz,Ant0



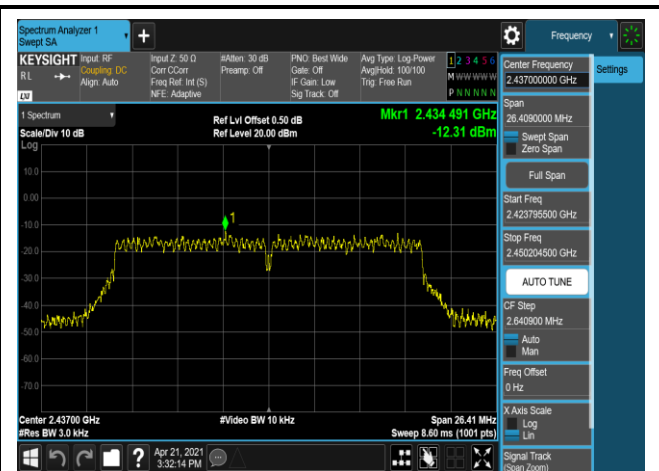
802.11n(HT20),2412MHz,Ant0

802.11n(HT20),2437MHz,Ant0

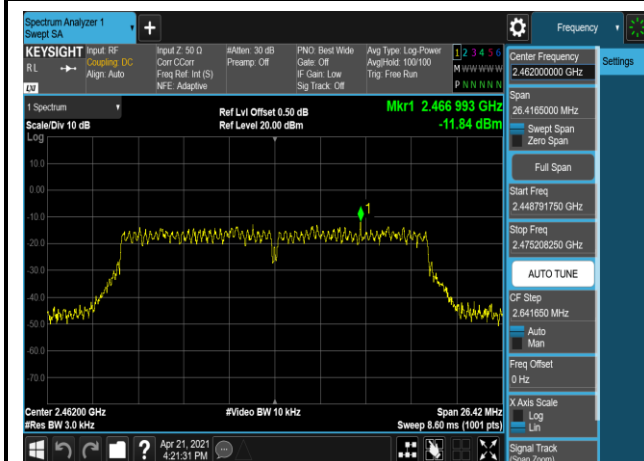
TEST REPORT



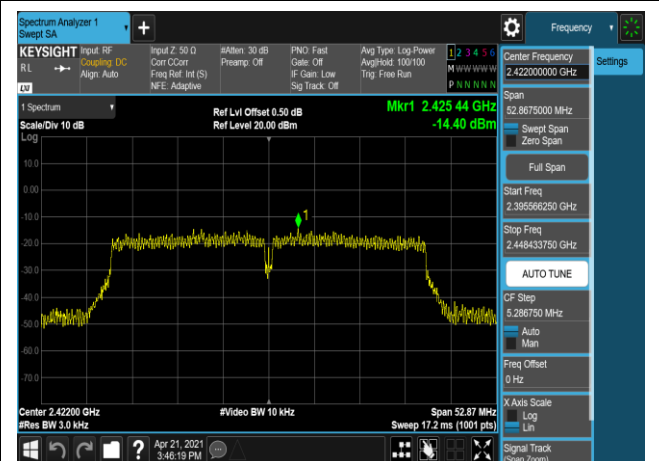
802.11n(HT20), 2462MHz, Ant0



802.11n(HT40), 2422MHz, Ant0



802.11n(HT40), 2437MHz, Ant0



802.11n(HT40), 2452MHz, Ant0



TEST REPORT

A.5 Transmitter Spurious Emission

A.5.1 Test Result and Data

WLAN Transmitter Spurious Emission						
Mode	Test Frequency (MHz)	Ant	Plot No.	Frequency Range	Emission (dBm)	Result
802.11b	2412	Ant0	1	Reference Level	5.03	Pass
802.11b	2412	Ant0	2	Band Edge	-29.93	Pass
802.11b	2412	Ant0	3	30MHz~2310MHz	-52.00	Pass
802.11b	2412	Ant0	4	2500MHz~5000MHz	-44.14	Pass
802.11b	2412	Ant0	5	5000MHz~25000MHz	-31.82	Pass
802.11b	2437	Ant0	1	Reference Level	4.81	Pass
802.11b	2437	Ant0	2	Band Edge	-47.62	Pass
802.11b	2437	Ant0	3	30MHz~2310MHz	-52.84	Pass
802.11b	2437	Ant0	4	2500MHz~5000MHz	-45.12	Pass
802.11b	2437	Ant0	5	5000MHz~25000MHz	-32.20	Pass
802.11b	2462	Ant0	1	Reference Level	4.80	Pass
802.11b	2462	Ant0	2	Band Edge	-45.95	Pass
802.11b	2462	Ant0	3	30MHz~2310MHz	-53.67	Pass
802.11b	2462	Ant0	4	2500MHz~5000MHz	-49.23	Pass
802.11b	2462	Ant0	5	5000MHz~25000MHz	-32.74	Pass
802.11g	2412	Ant0	1	Reference Level	3.17	Pass
802.11g	2412	Ant0	2	Band Edge	-23.74	Pass
802.11g	2412	Ant0	3	30MHz~2310MHz	-52.82	Pass
802.11g	2412	Ant0	4	2500MHz~5000MHz	-52.54	Pass
802.11g	2412	Ant0	5	5000MHz~25000MHz	-30.06	Pass
802.11g	2437	Ant0	1	Reference Level	2.98	Pass
802.11g	2437	Ant0	2	Band Edge	-46.63	Pass
802.11g	2437	Ant0	3	30MHz~2310MHz	-54.60	Pass
802.11g	2437	Ant0	4	2500MHz~5000MHz	-53.38	Pass
802.11g	2437	Ant0	5	5000MHz~25000MHz	-29.29	Pass
802.11g	2462	Ant0	1	Reference Level	2.91	Pass