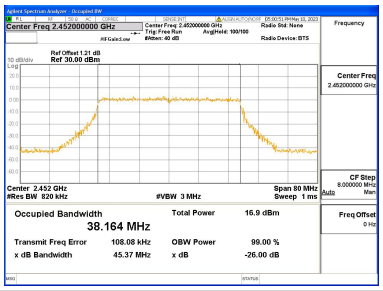
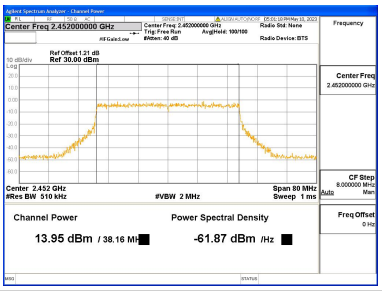
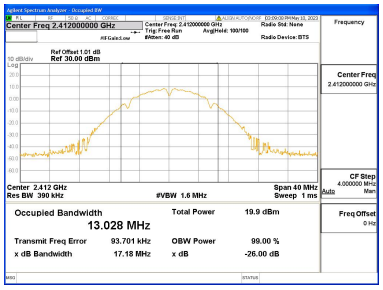
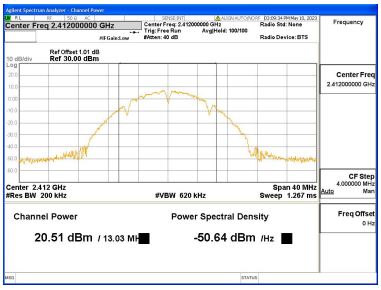
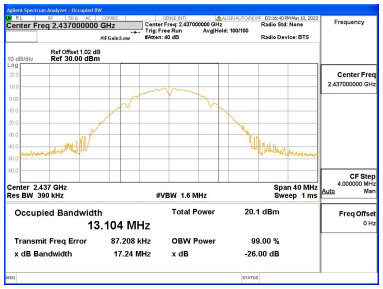
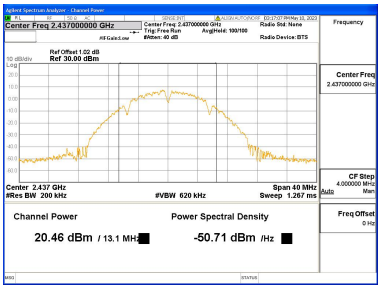
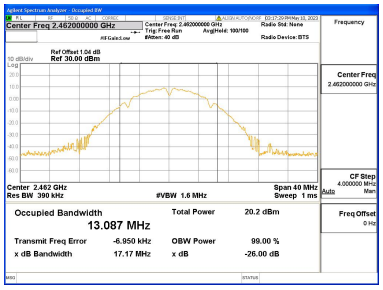
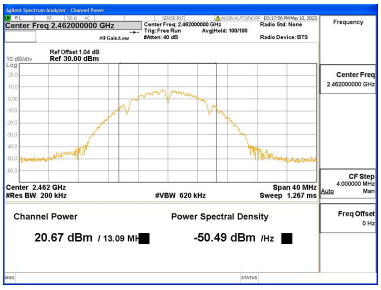
	

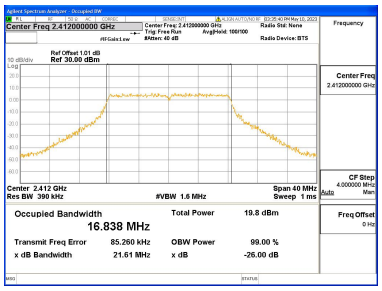
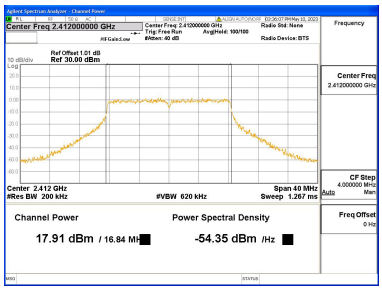
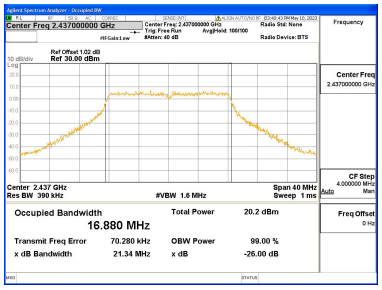
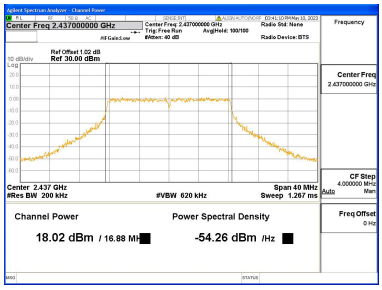
Chain1

11b：

pic6_OBW	pic6_Rms
	
pic11_OBW	**pic11_Rms**
	
pic12_OBW	**pic12_Rms**
	

11g：

pic16_OBW	pic16_Rms

	
pic19_OBW	pic19_Rms
	
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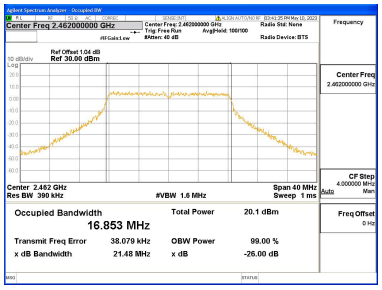
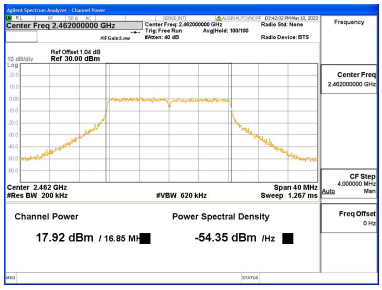
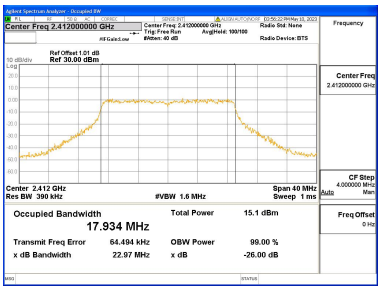
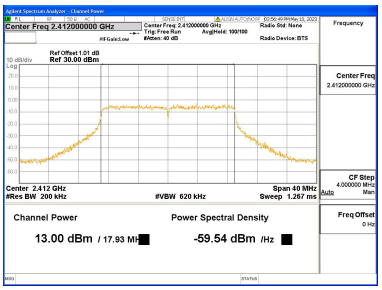
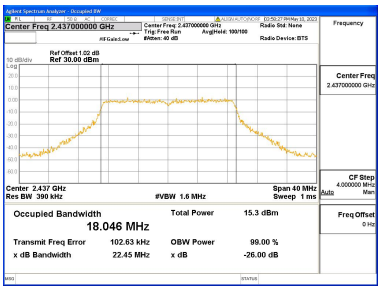
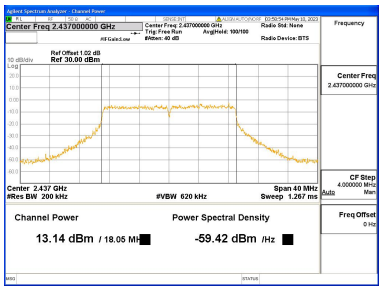
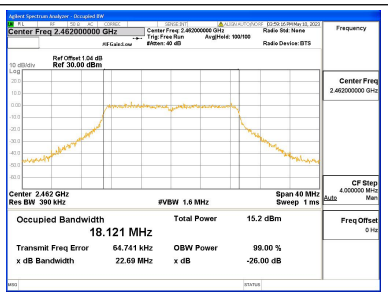
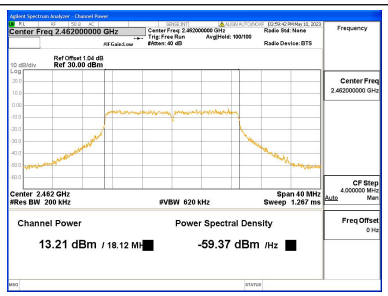
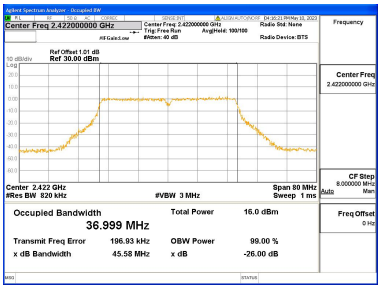
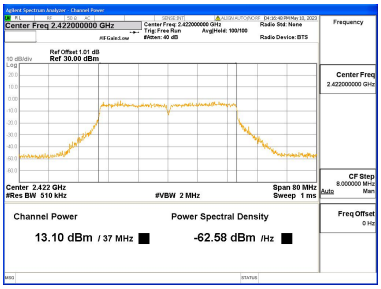
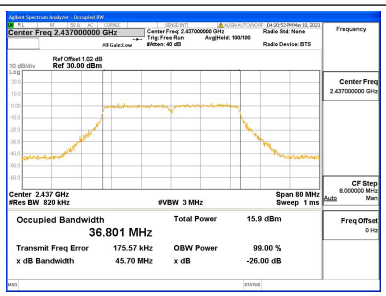
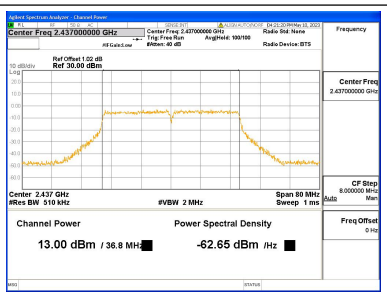
	

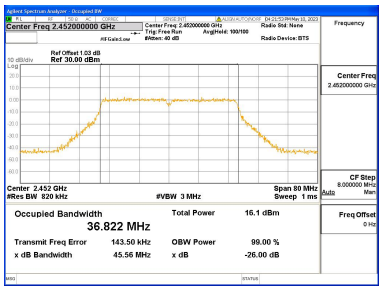
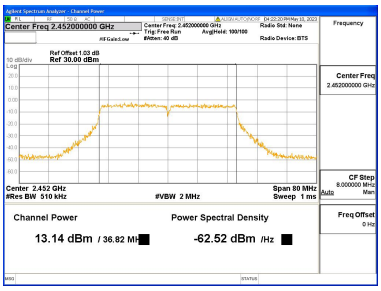
11n-HT20

pic15_OBW	pic15_Rms
	
pic19_OBW	pic19_Rms

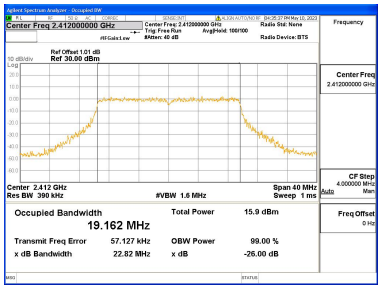
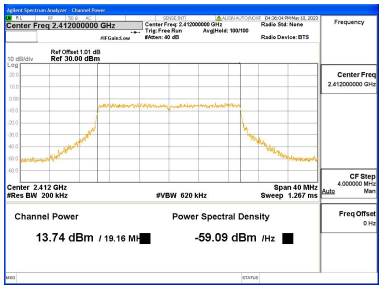
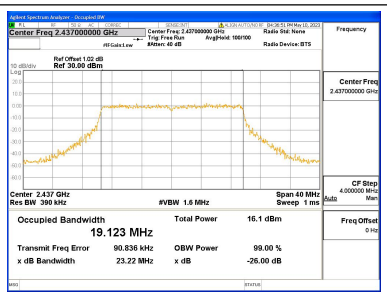
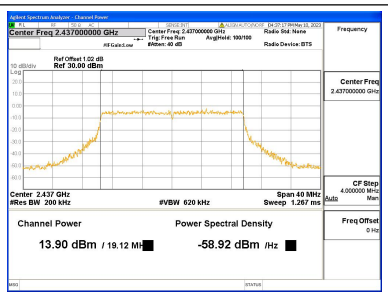
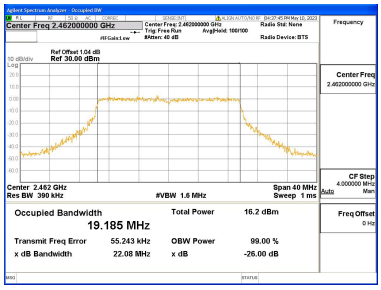
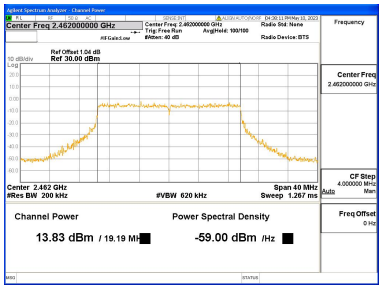
	
pic20_OBW	pic20_Rms
	

11n-HT40：

pic16_OBW	pic16_Rms
	
pic19_OBW	pic19_Rms
	
pic20_OBW	pic20_Rms

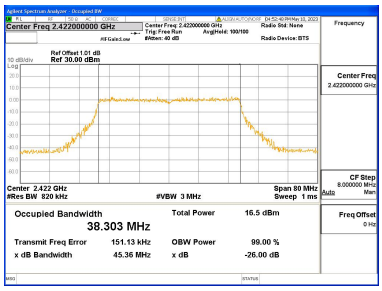
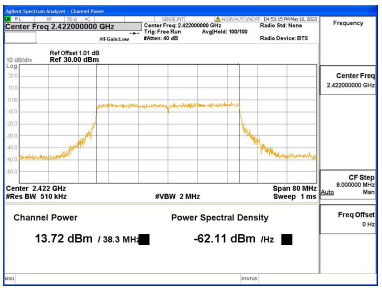
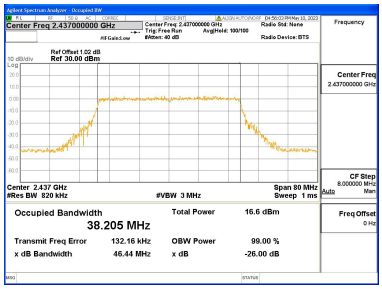
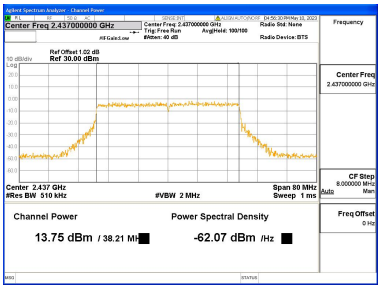
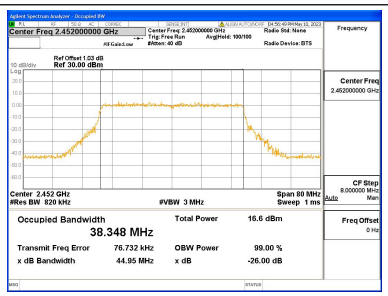
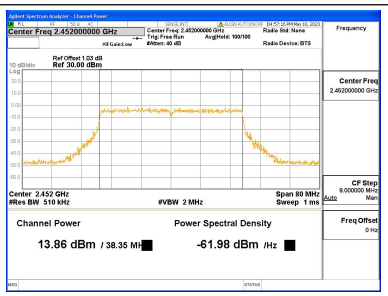
	

11ax-HE20:

pic16_OBW	pic16_Rms
	
pic19_OBW	**pic19_Rms**
	
pic20_OBW	**pic20_Rms**
	

11ax-HE40:

pic14_OBW	pic14_Rms

	
pic19_OBW	pic19_Rms
	
pic20_OBW	pic20_Rms
	

6.3. Peak Power Spectral Density

SpeciPications:	FCC CFR Part 15.247(e)
DUT Serial Number:	S1
Test conditions:	Ambient Temperature:15℃-35℃ Relative Humidity:30%-60% Air pressure: 86-106kPa
Test Results:	Pass

Limit Level Construction:

Standard	Limit
FCC CFR Part 15.247(e)	For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density

Note：Directional gain according to section 3.2 of this report

Band	802.11b/g Directional gain（dBi）	802.11n/ax Directional gain（dBi）
2.4G	2.97	5.98

Measurement Uncertainty:

Measurement Uncertainty	±0.98dBm/3KHz

Test procedure:

The measurement is according to ANSI C63.10 clause 11.10.2

The output power of EUT was connected to the spectrum analyzer. The path loss was compensated to the results for each measurement.

Enable EUT transmitter maximum power continuously.

1.Set analyzer center frequency to DTS channel center frequency.

2.Set the span to 1.5 times the DTS bandwidth.

3.Set the RBW to 3 kHz ≤ RBW ≤ 100 kHz.

4.Set the VBW ≥ [3 × RBW].

5.Detector = peak.

6.Sweep time = auto couple.

7.Trace mode = max hold.

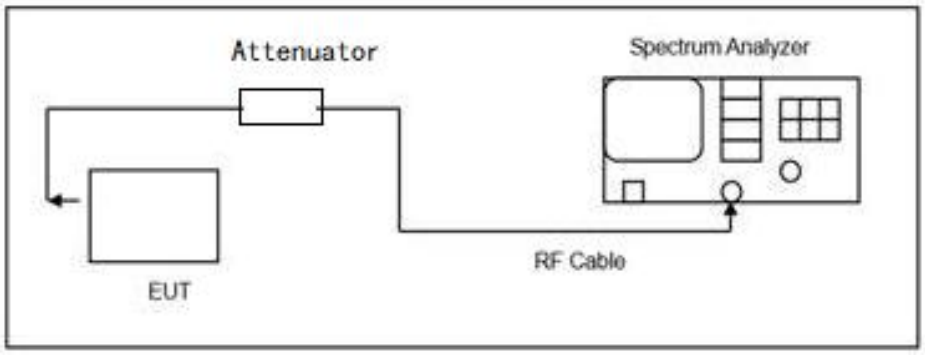
8.Allow trace to fully stabilize.

9.Use the peak marker function to determine the maximum amplitude level within the RBW.

10.If measured value exceeds requirement, then reduce RBW (but no less than 3 kHz) and repeat.

Note: --

Test block diagram:

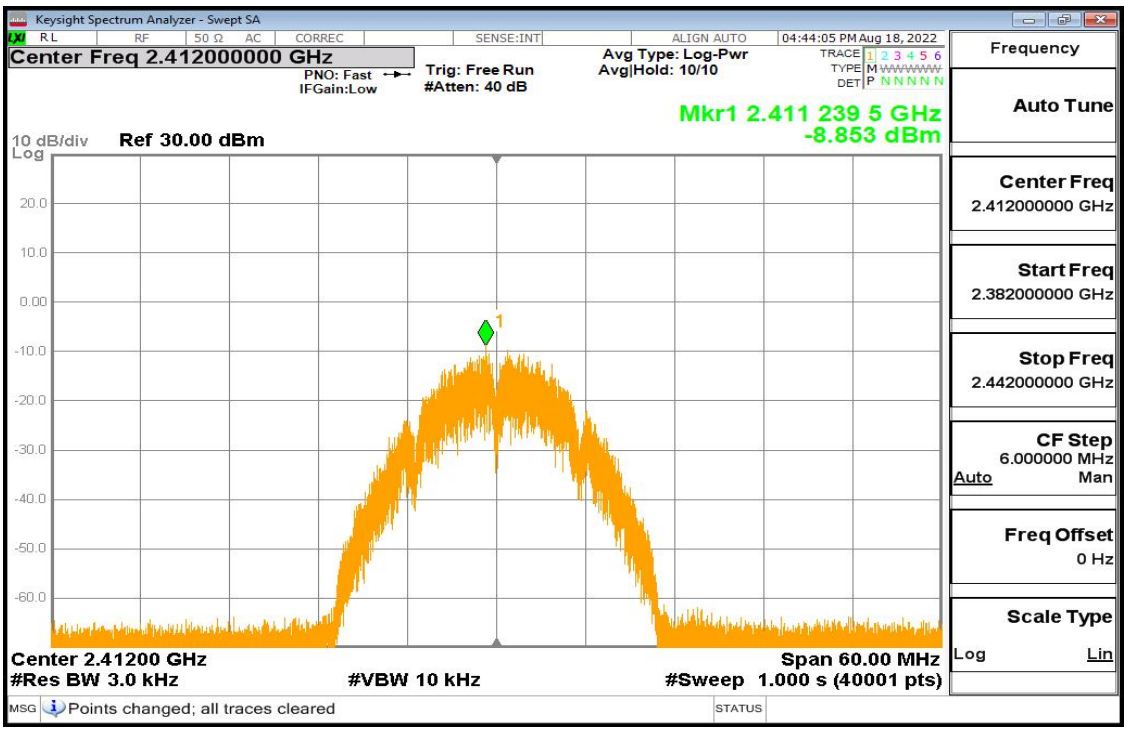


Measurement Results:

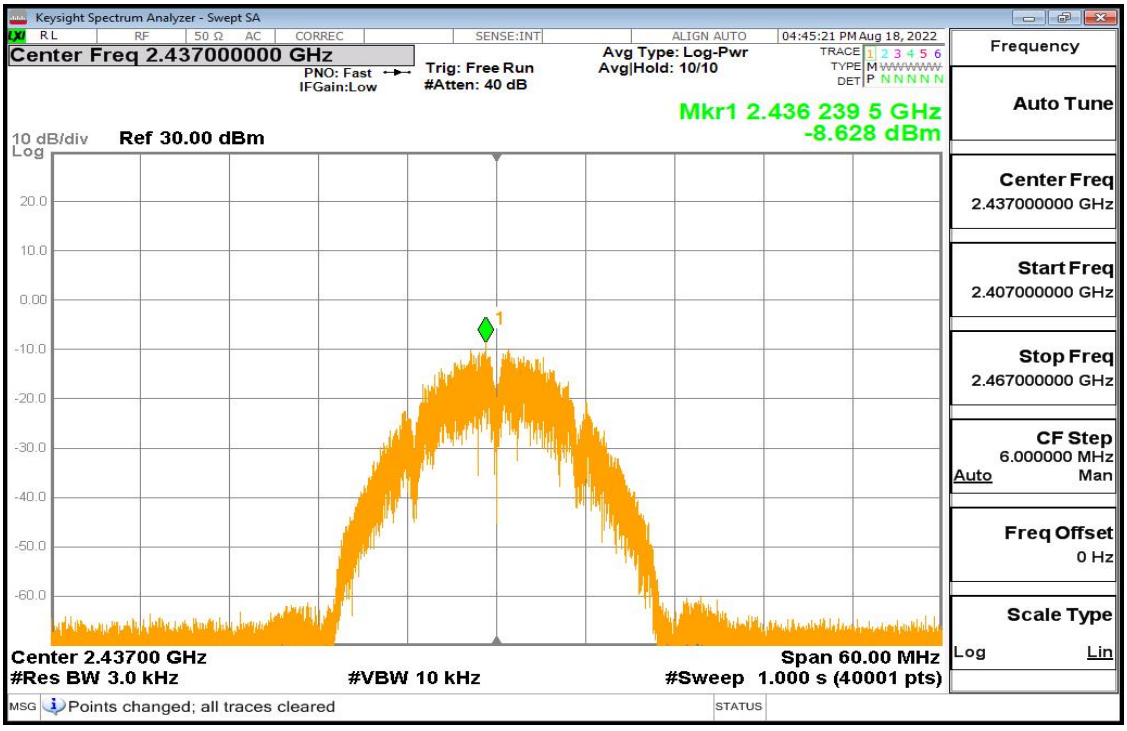
Mode		Power Spectral Density(dBm/3kHz)			Conclusion
		Ch1	Ch6	Ch11	
802.11b	Chain0	-8.85	-8.63	-9.26	PASS
	Chain1	-8.28	-8.14	-9.29	PASS
802.11g	Chain0	-12.61	-13.38	-12.49	PASS
	Chain1	-12.59	-12.46	-11.81	PASS
802.11n-HT20	Chain0	-15.98	-16.45	-16.86	PASS
	Chain1	-15.84	-15.97	-16.12	PASS
802.11ax-HE20	Chain0	-18.48	-17.02	-18.40	PASS
	Chain1	-16.78	-14.22	-17.42	PASS
802.11n-HT20(MIMO)	/	-12.90	-13.19	-13.46	PASS
802.11ax-HE20(MIMO)	/	-14.54	-12.39	-14.87	PASS

Mode		Power Spectral Density(dBm/3kHz)			Conclusion
		Ch3	Ch6	Ch9	
802.11n-HT40	Chain0	-20.78	-20.30	-20.44	PASS
	Chain1	-20.98	-21.26	-20.93	PASS
802.11ax-HE40	Chain0	-22.17	-21.42	-21.58	PASS
	Chain1	-21.34	-21.37	-21.43	PASS
802.11n-HT40(MIMO)	/	-17.87	-17.74	-17.67	PASS
802.11ax-HE40(MIMO)	/	-18.73	-18.38	-18.49	PASS

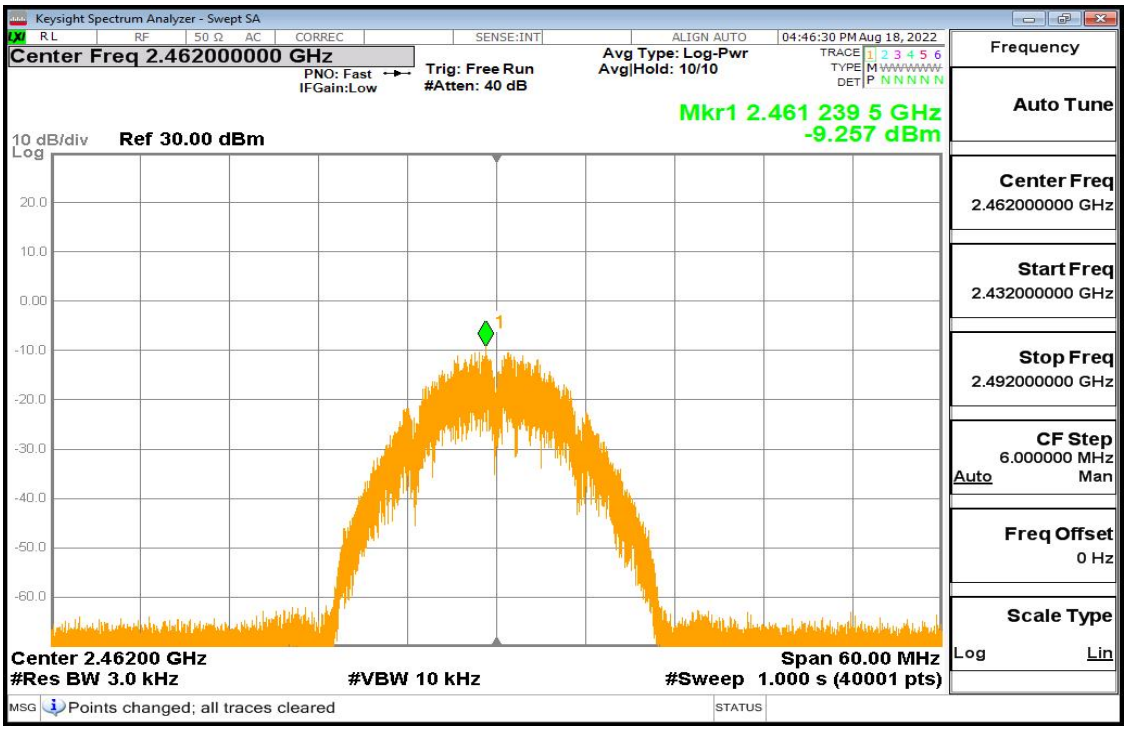
Test Picure as below:



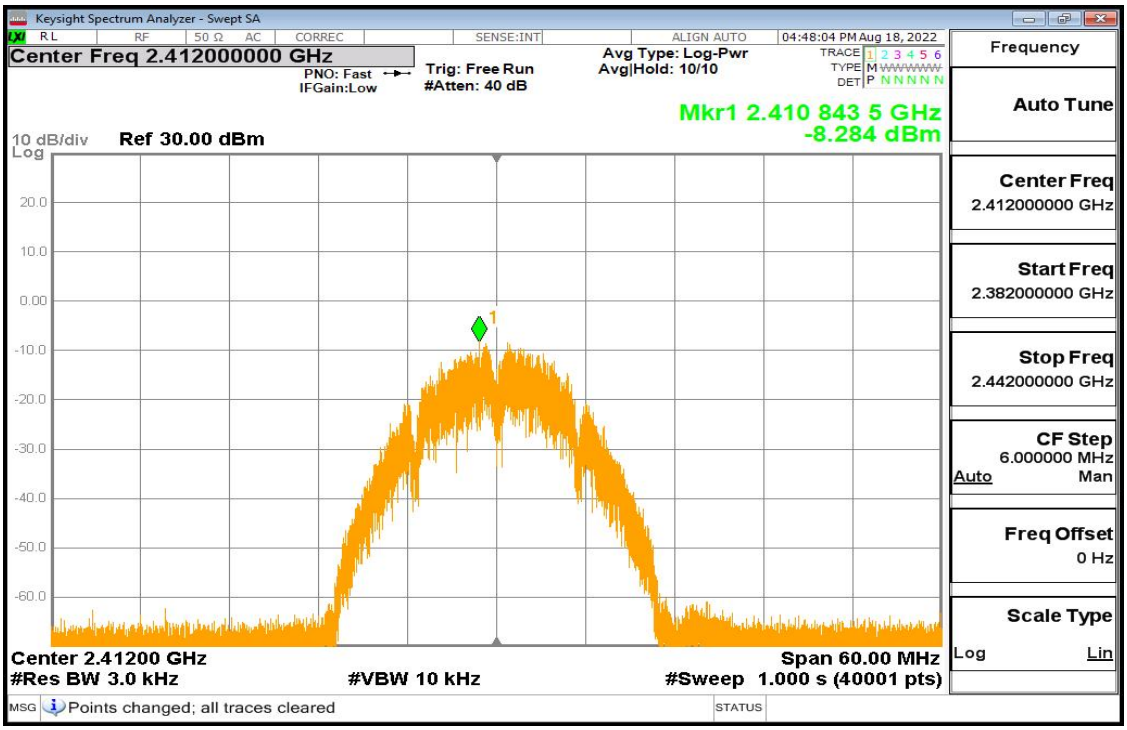
11b_Antenna0_Channel_1_Freq_2412.00MHz



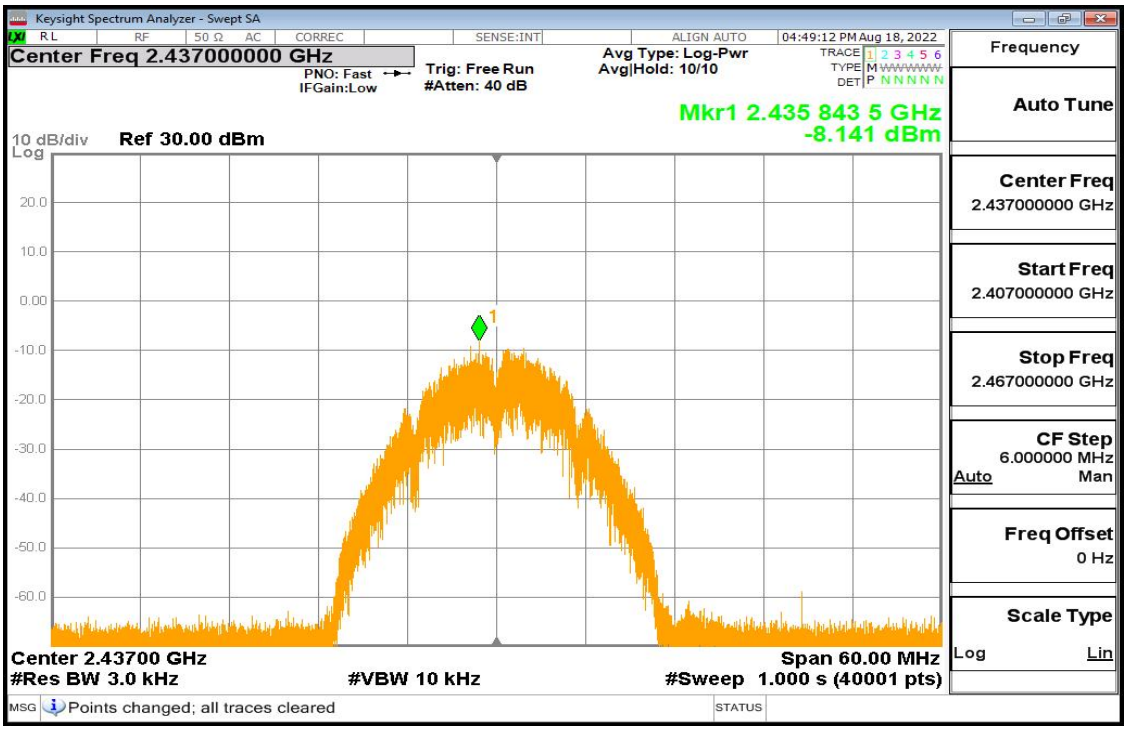
11b_Antenna0_Channel_6_Freq_2437.00MHz



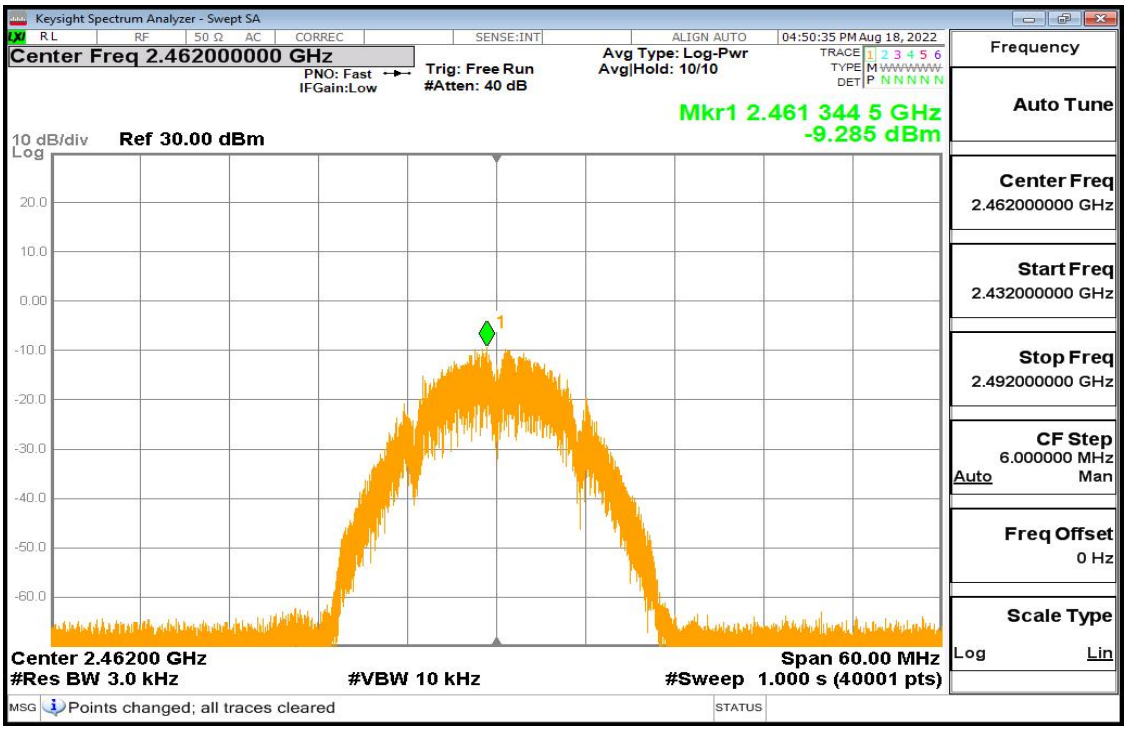
11b_Antenna0_Channel_11_Freq_2462.00MHz



11b_Antenna1_Channel_1_Freq_2412.00MHz



11b_Antenna1_Channel_6_Freq_2437.00MHz



11b_Antenna1_Channel_11_Freq_2462.00MHz