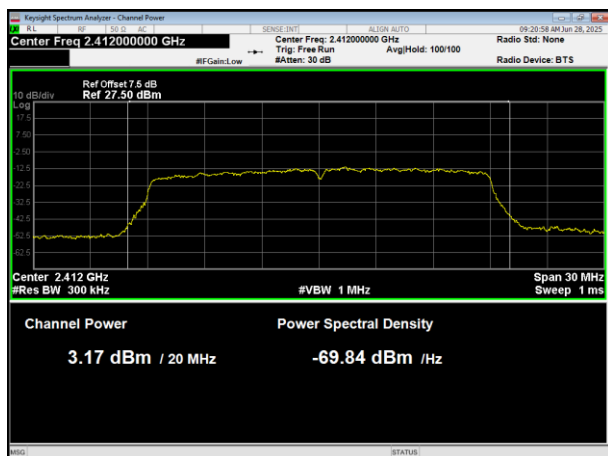
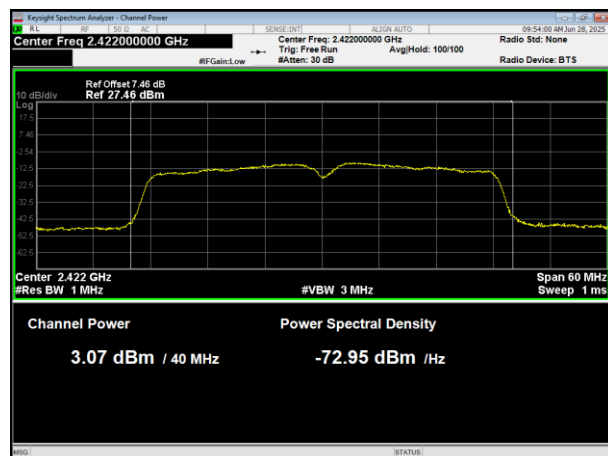




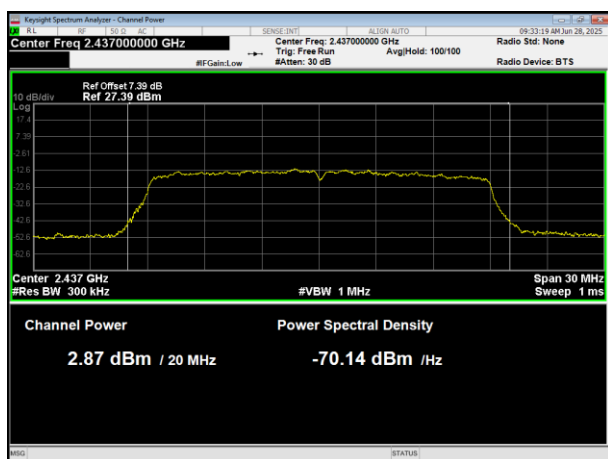
802.11n HT20



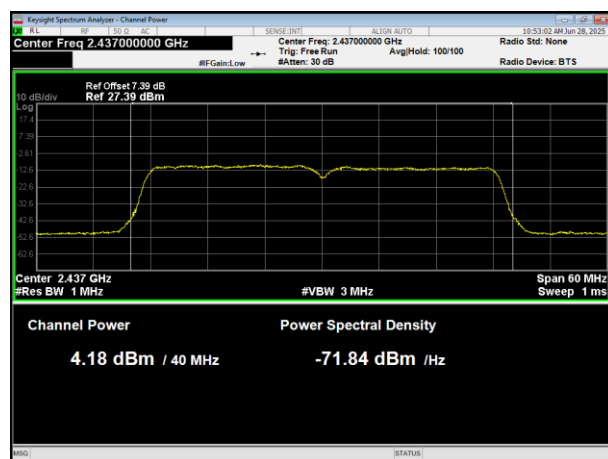
802.11n HT40



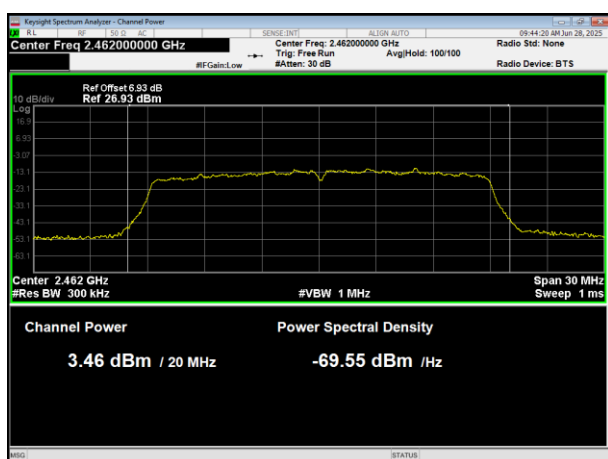
2412MHz



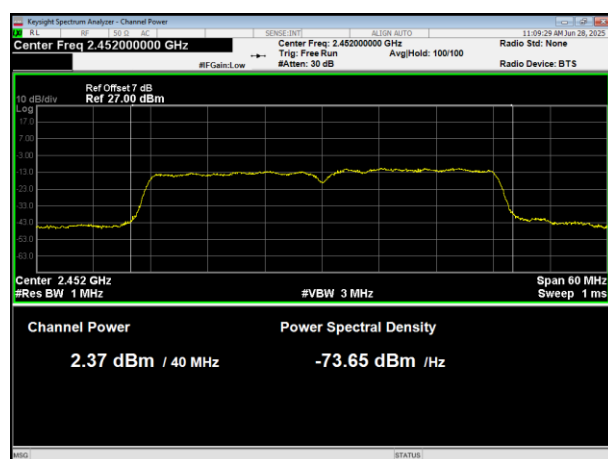
2422MHz



2437MHz



2437MHz



2462MHz

2452MHz



5. POWER SPECTRAL DENSITY TEST

5.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247	Power Spectral Density	8 dBm (in any 3KHz)	2400-2483.5	PASS

Spectrum Parameters	Setting
Attenuation	Auto
Span Frequency	= the frequency band of operation
RB	$RBW \geq 3kHz$
VB	$VBW \geq 3RBW$
Detector	power averaging (rms) or sample detector (when rms not available).
Trace	rms/average
Sweep Time	Auto

5.1.1 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP



5.1.4 EUT OPERATION CONDITIONS

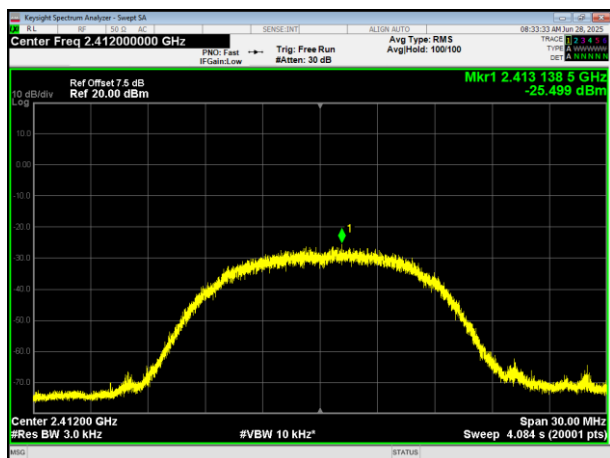
The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

**5.1.5 TEST RESULTS**

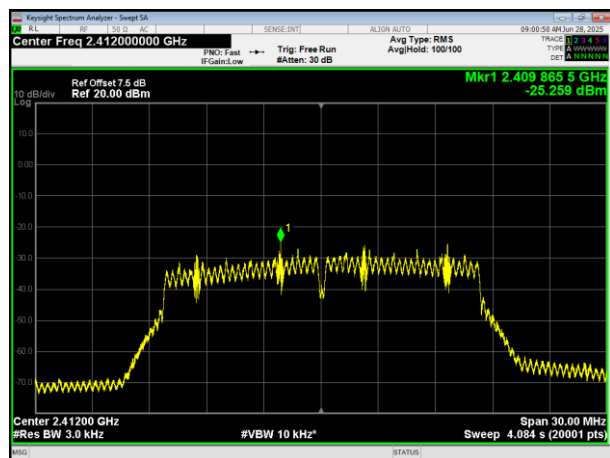
Mode	Test Channel	Reading Level (dBm/3kHz)	Limit (dBm/3kHz)	Result
802.11b	Low	-25.499	8	PASS
	Middle	-25.971	8	PASS
	High	-26.662	8	PASS
802.11g	Low	-25.259	8	PASS
	Middle	-25.336	8	PASS
	High	-25.685	8	PASS
802.11n20	Low	-25.799	8	PASS
	Middle	-25.899	8	PASS
	High	-25.625	8	PASS
802.11n40	Low	-18.64	8	PASS
	Middle	-26.301	8	PASS
	High	-27.49	8	PASS



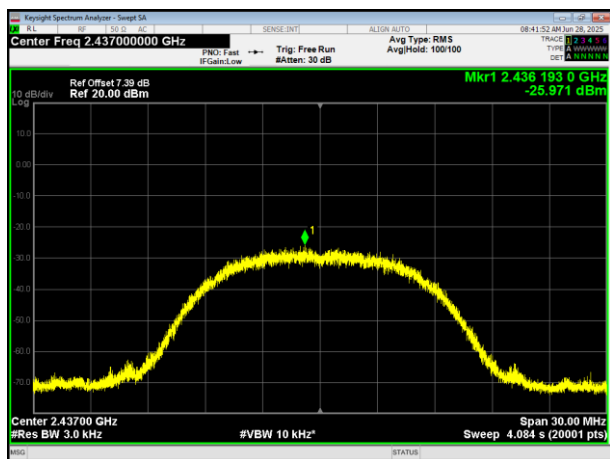
802.11b



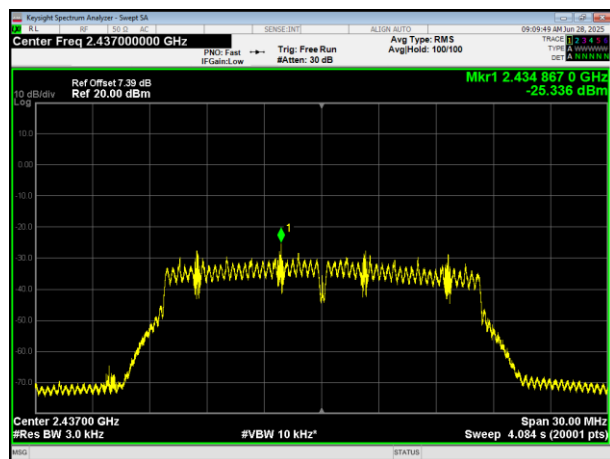
802.11g



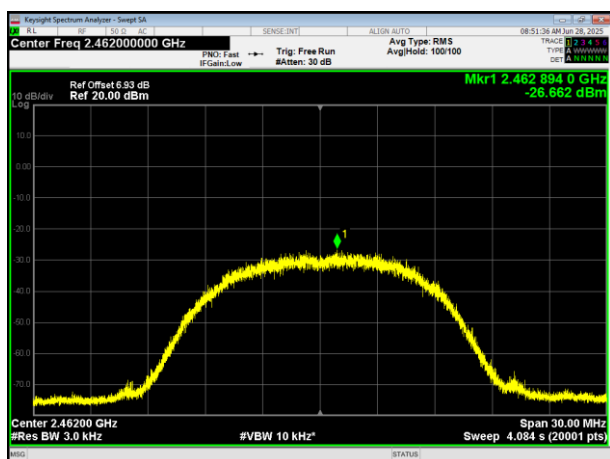
2412MHz



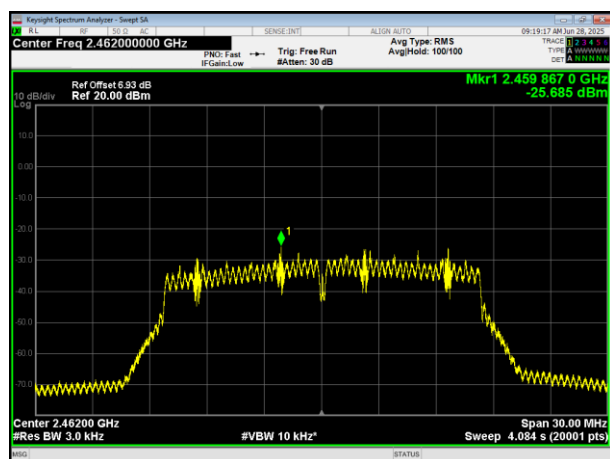
2412MHz



2437MHz



2437MHz

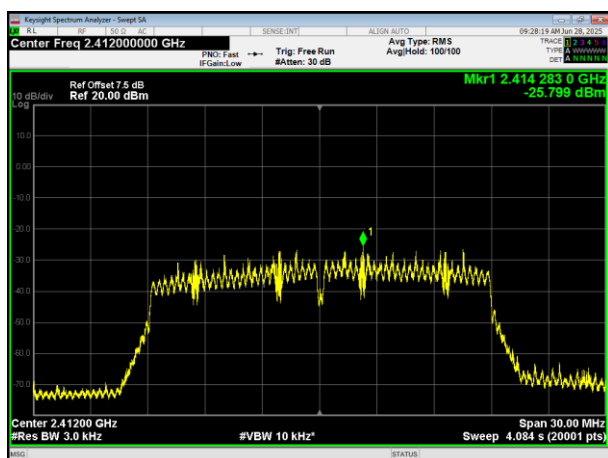


2462MHz

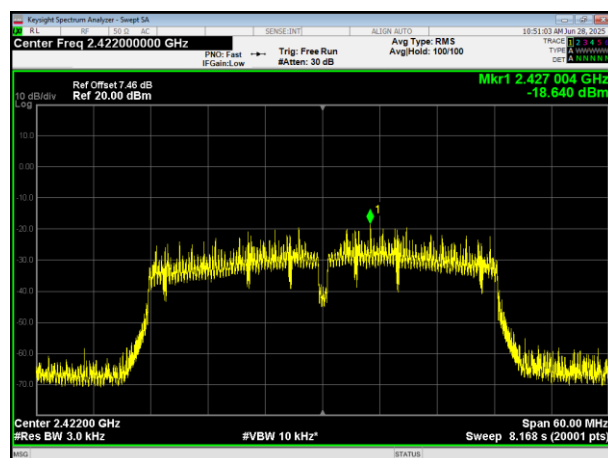
2462MHz



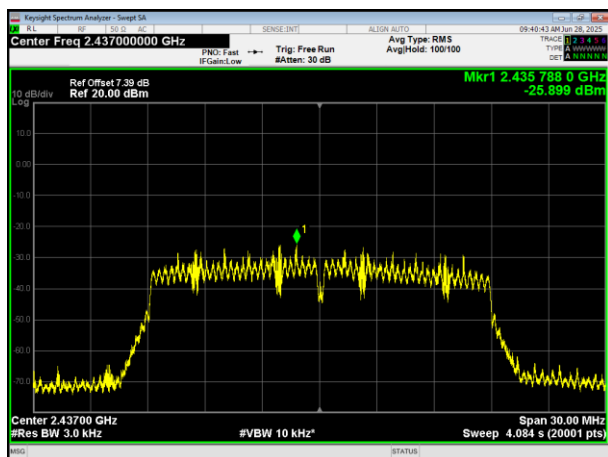
802.11n HT20



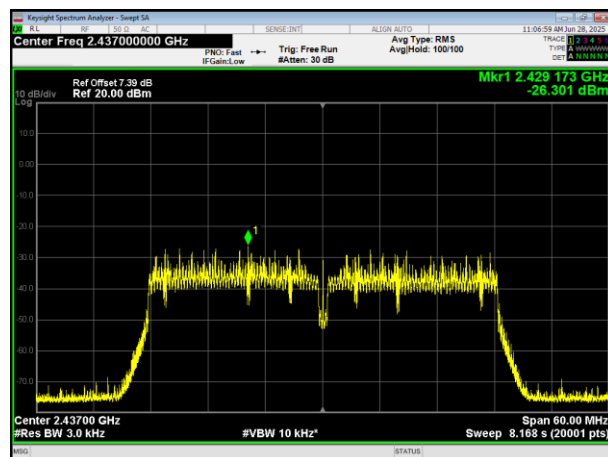
802.11n HT40



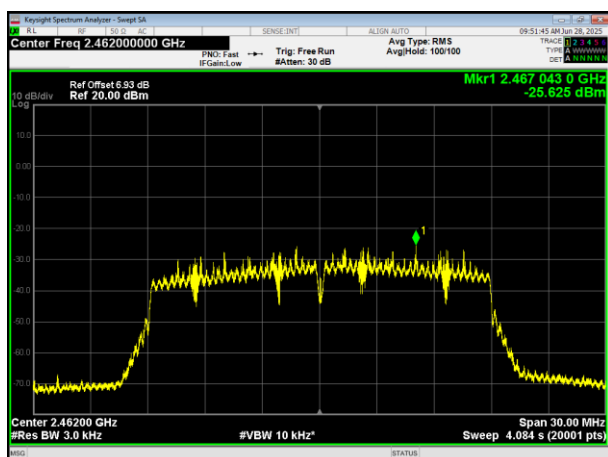
2412MHz



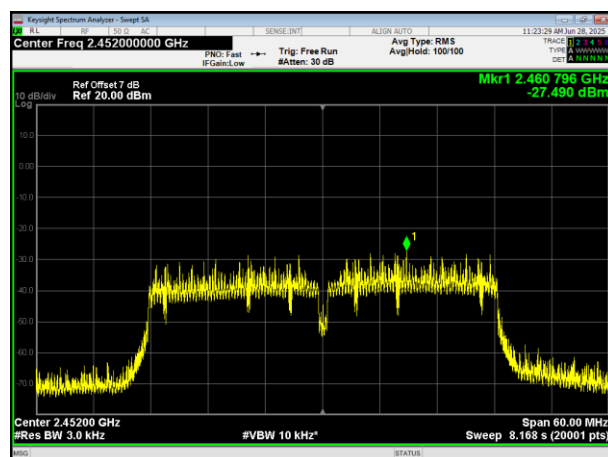
2422MHz



2437MHz



2437MHz



2462MHz

2452MHz



6. 6DB BANDWIDTH TEST

6.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range(MHz)	Result
15.247(a)(2)	Bandwidth	$\geq 500\text{KHz}$ (6dB bandwidth)	2400-2483.5	PASS

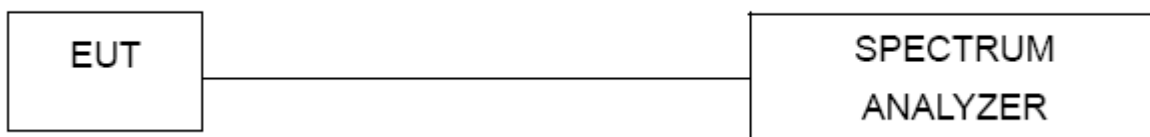
6.1.1 TEST PROCEDURE

1. Set RBW = 100 kHz.
2. Set the video bandwidth (VBW) $\geq$ RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP



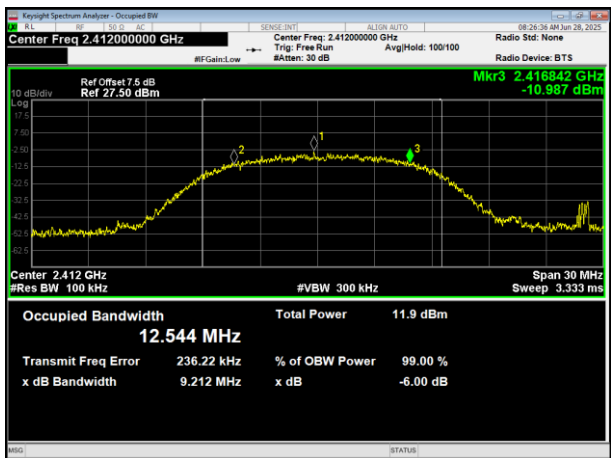
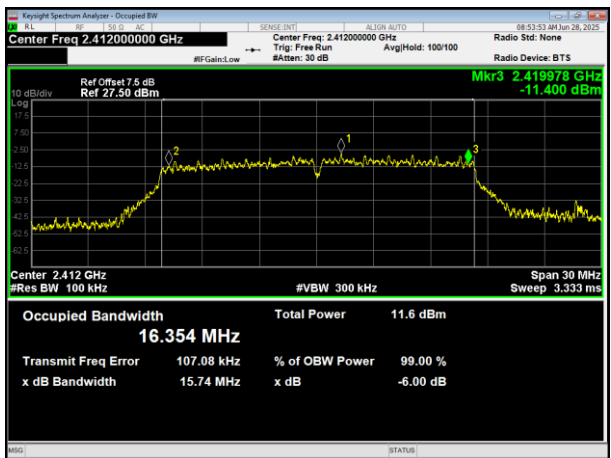
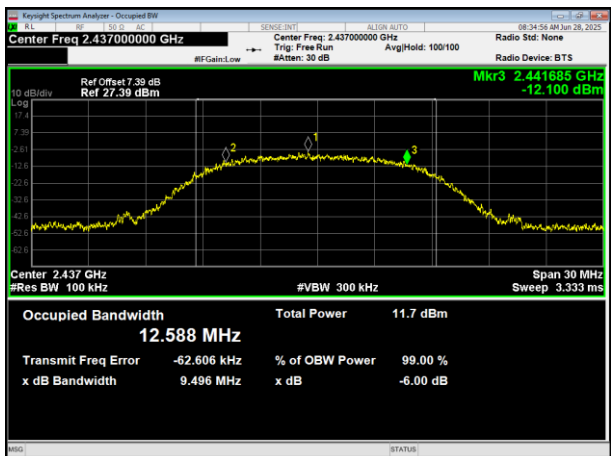
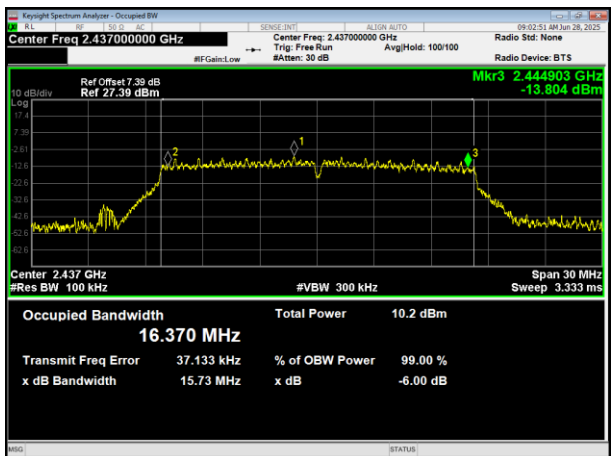
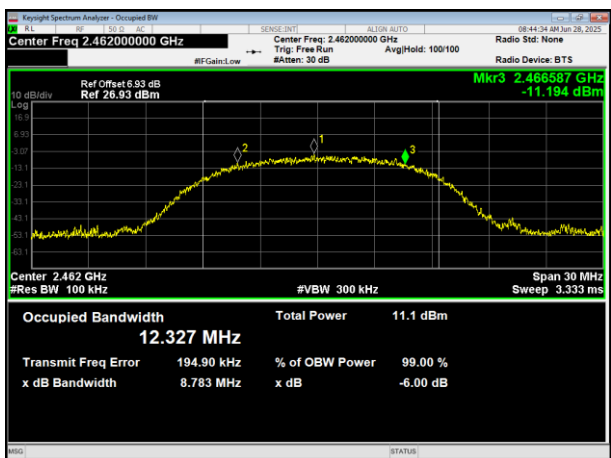
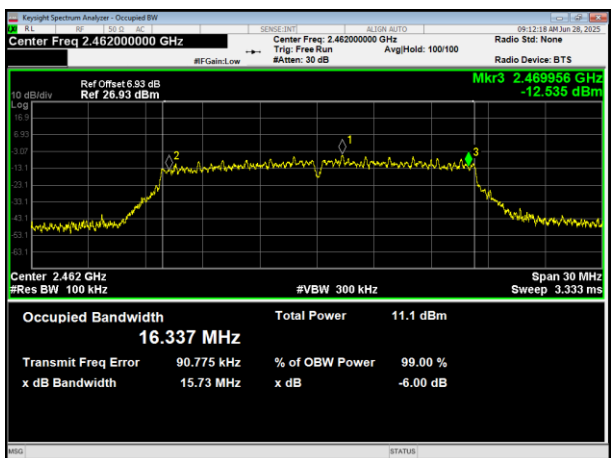
6.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.3 Unless otherwise a special operating condition is specified in the follows during the testing.

**6.1.5 TEST RESULTS**

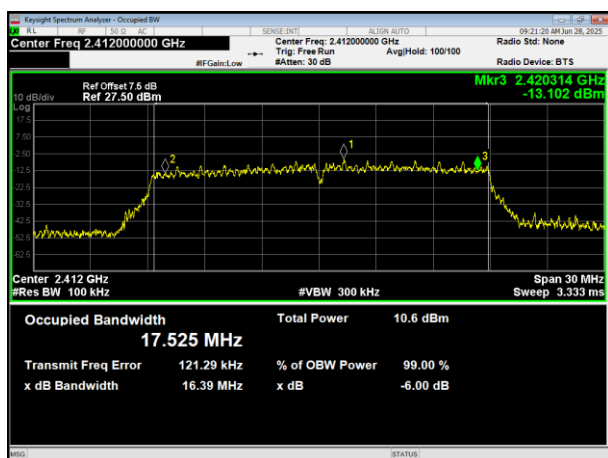
	Test Channel	6dB Bandwidth (MHz)	Limit (MHz)	Result
802.11b	Low	9.212	0.5	Pass
	Middle	9.496	0.5	Pass
	High	8.783	0.5	Pass
802.11g	Low	15.743	0.5	Pass
	Middle	15.731	0.5	Pass
	High	15.731	0.5	Pass
802.11n HT20	Low	16.385	0.5	Pass
	Middle	16.924	0.5	Pass
	High	15.971	0.5	Pass
802.11n HT40	Low	35.086	0.5	Pass
	Middle	36.302	0.5	Pass
	High	35.654	0.5	Pass



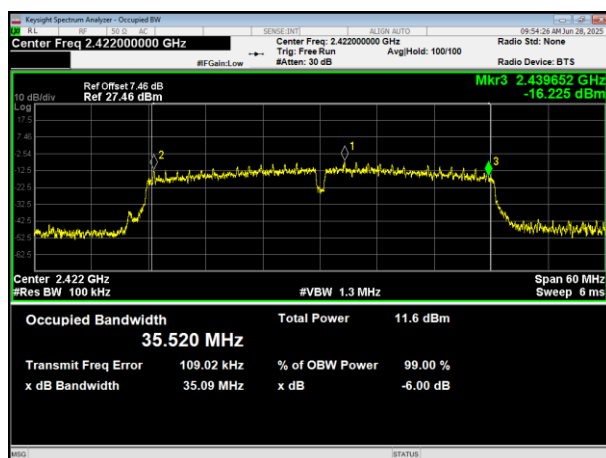
802.11b 	802.11g 
2412MHz 	2412MHz 
2437MHz 	2437MHz 
2462MHz	2462MHz



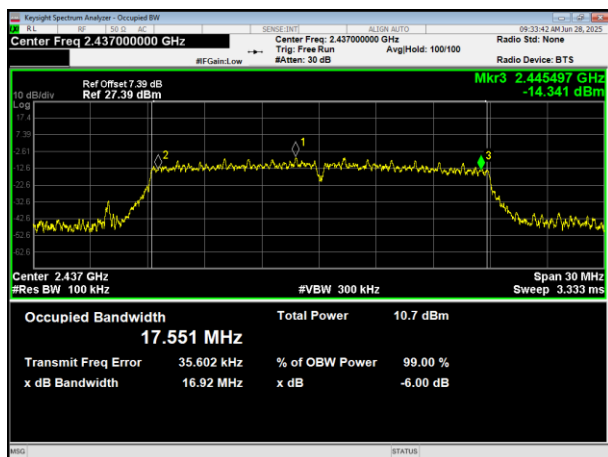
802.11n HT20



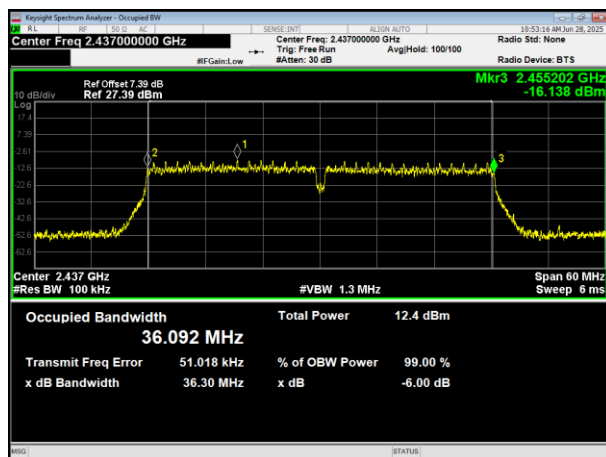
802.11n HT40



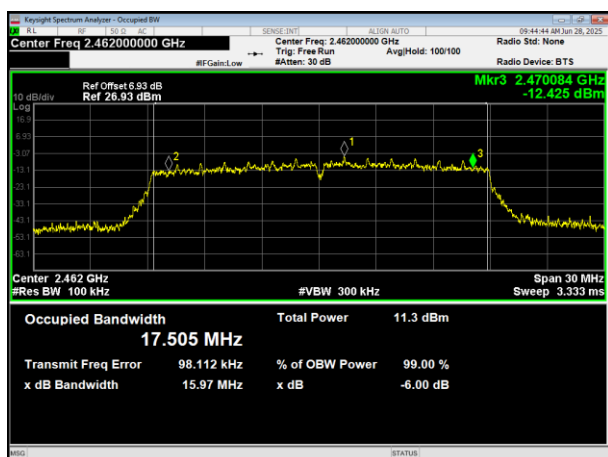
2412MHz



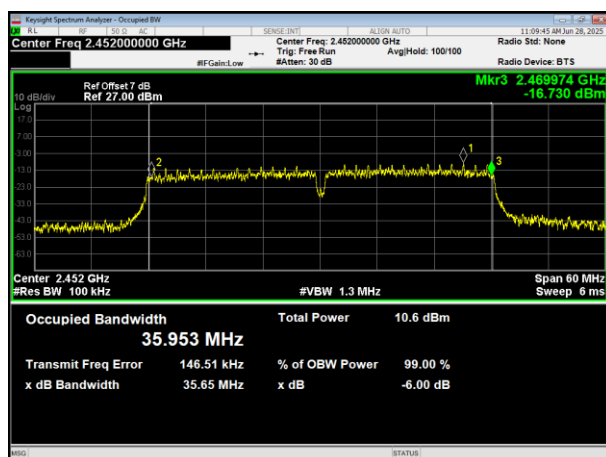
2422MHz



2437MHz



2437MHz



2462MHz

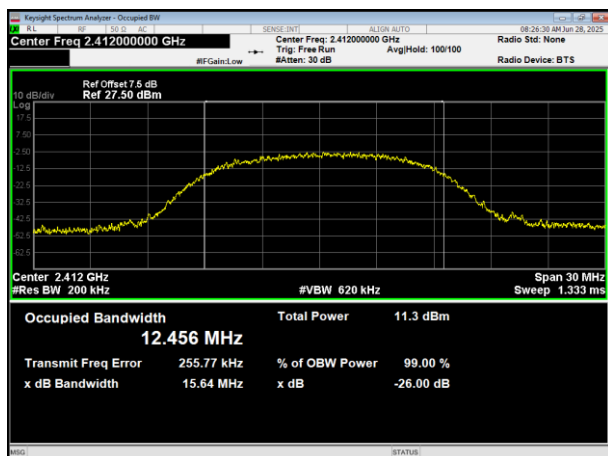
2452MHz



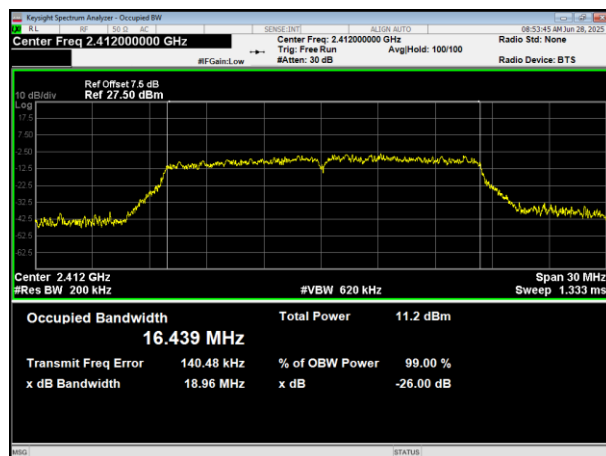
	Test Channel	99% OBW (MHz)
802.11b	Low	12.456
	Middle	12.483
	High	12.312
802.11g	Low	16.439
	Middle	16.414
	High	16.388
802.11n HT20	Low	17.564
	Middle	17.572
	High	17.538
802.11n HT40	Low	35.673
	Middle	36.255
	High	36.098



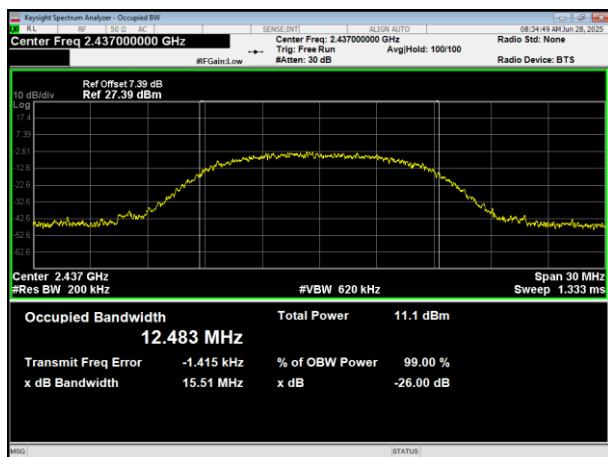
802.11b



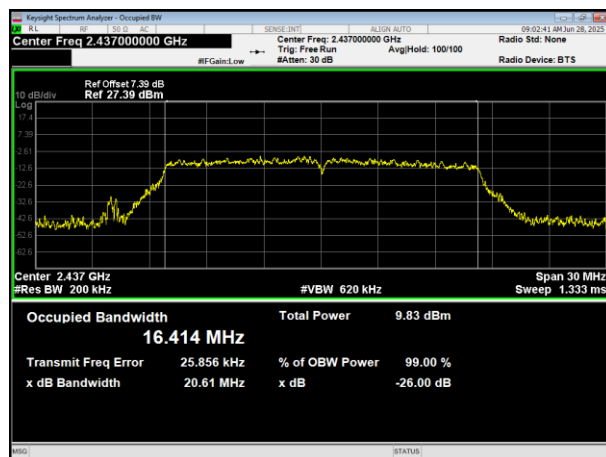
802.11g



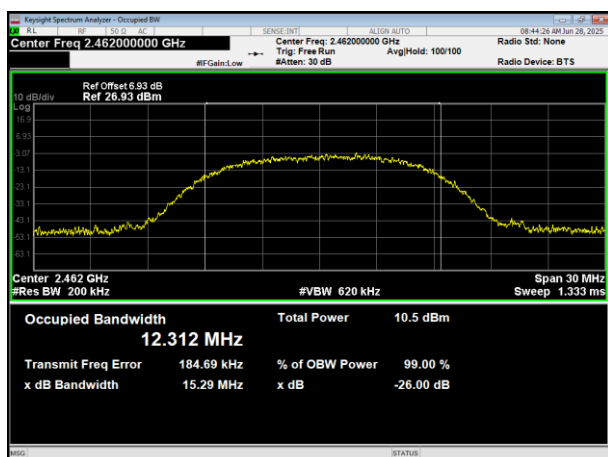
2412MHz



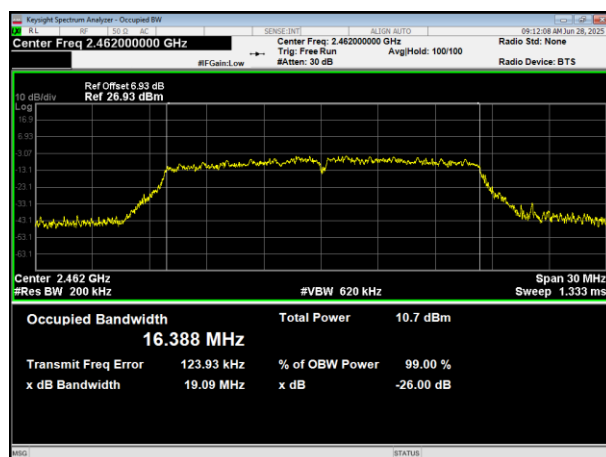
2412MHz



2437MHz



2437MHz

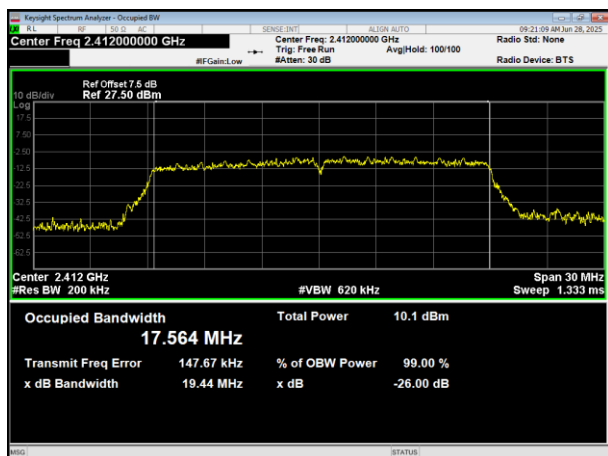


2462MHz

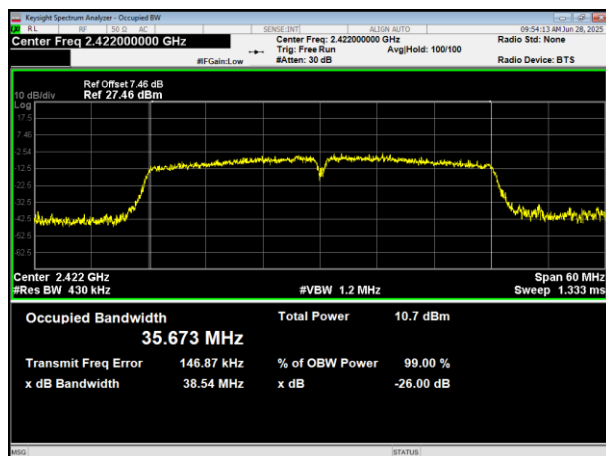
2462MHz



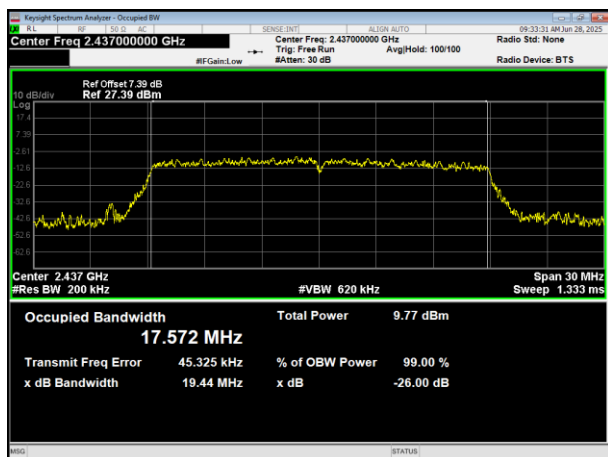
802.11n HT20



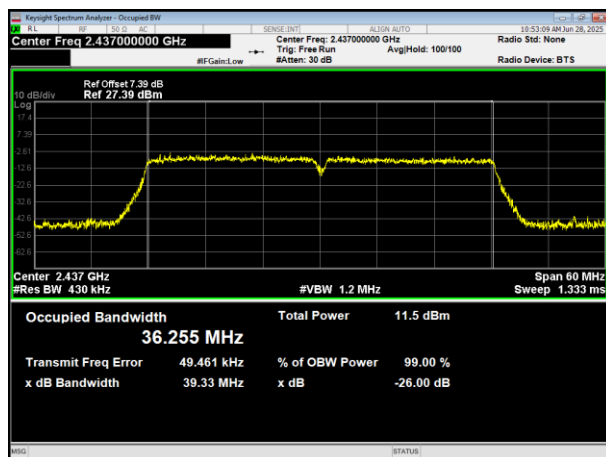
802.11n HT40



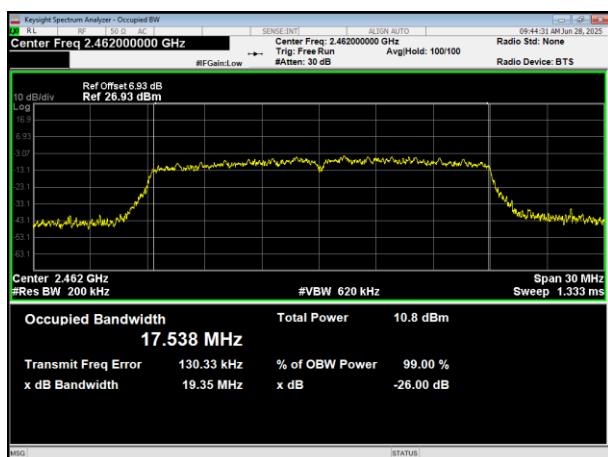
2412MHz



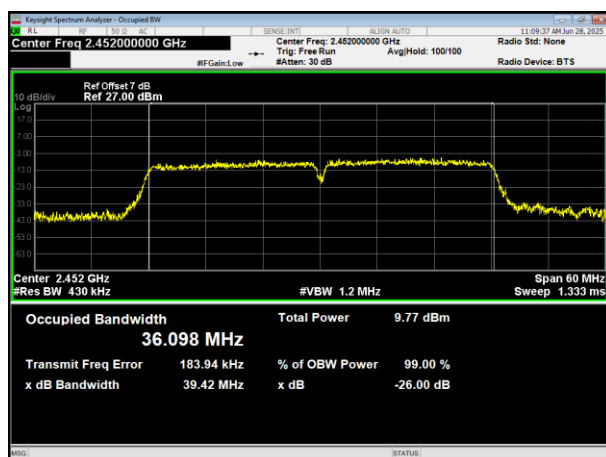
2422MHz



2437MHz



2437MHz



2462MHz

2452MHz



7. ANTENNA REQUIREMENT

7.1 STANDARD REQUIREMENT

15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

7.2 EUT ANTENNA

The EUT antenna is Internal Antenna, It comply with the standard requirement.

8. TEST SEUUP PHOTO

Reference to the appendix I for details.

9. EUT PHOTO

Reference to the appendix II for details.

******* END OF REPORT *******