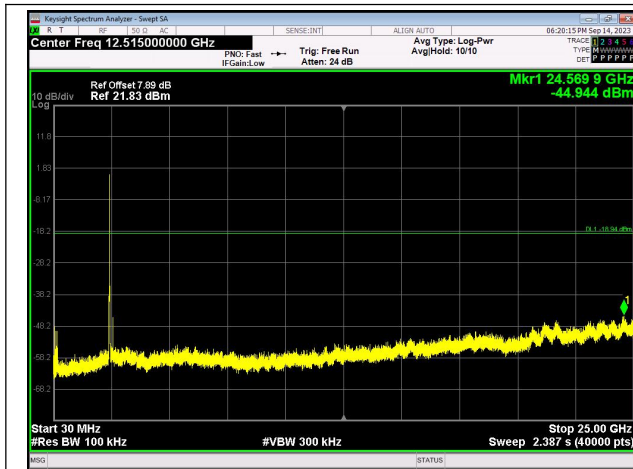




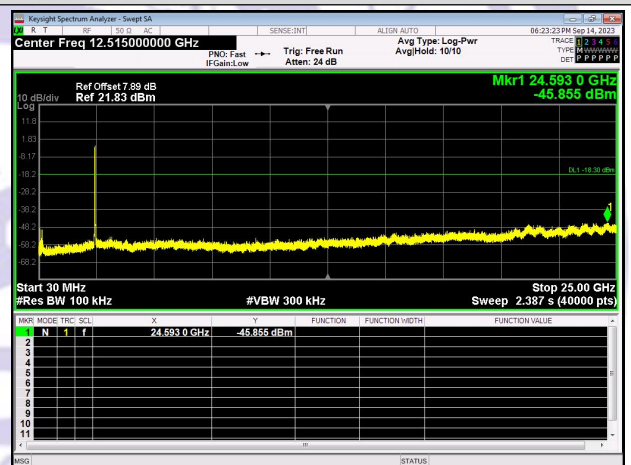
Spurious Emissions
IEEE 802.11n_Channel 6_20MHz_Antenna 0



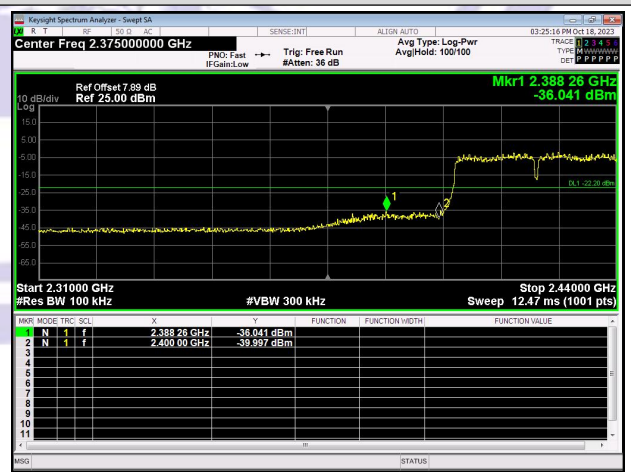
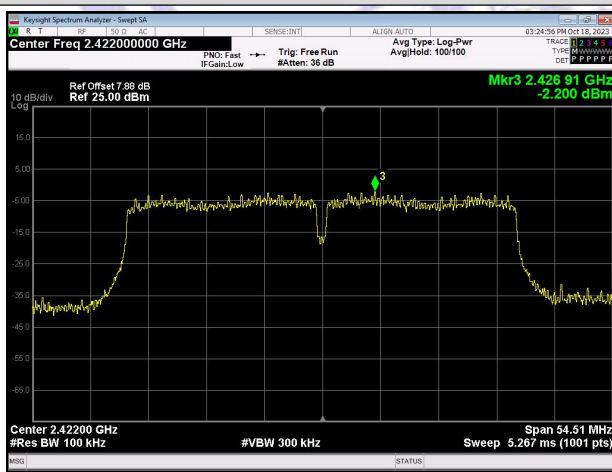
In-Band Reference Level
IEEE 802.11n_Channel 11_20MHz_Antenna 0



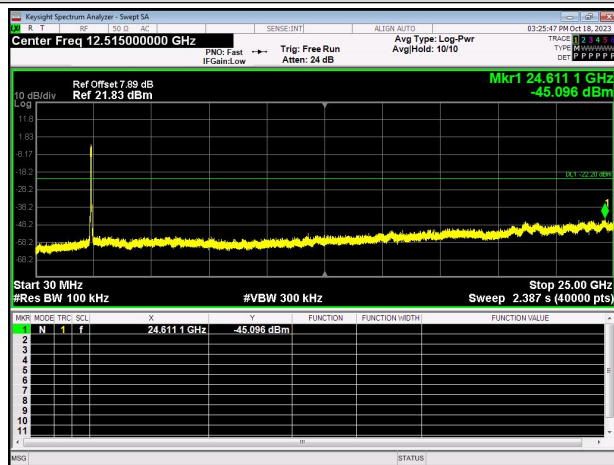
Out Of Band Emission
IEEE 802.11n_Channel 11_20MHz_Antenna 0



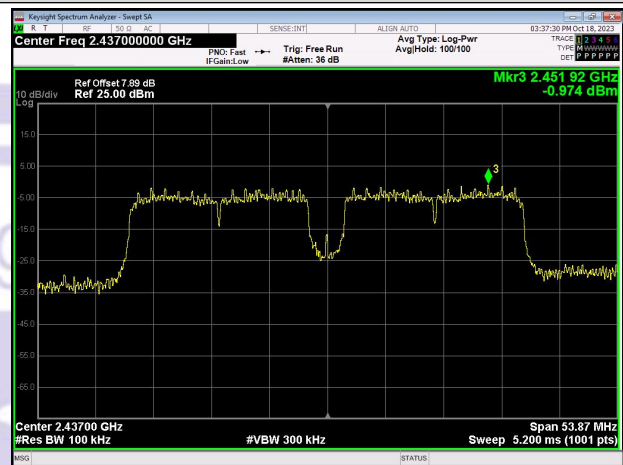
Spurious Emission
IEEE 802.11n_Channel 11_20MHz_Antenna 0



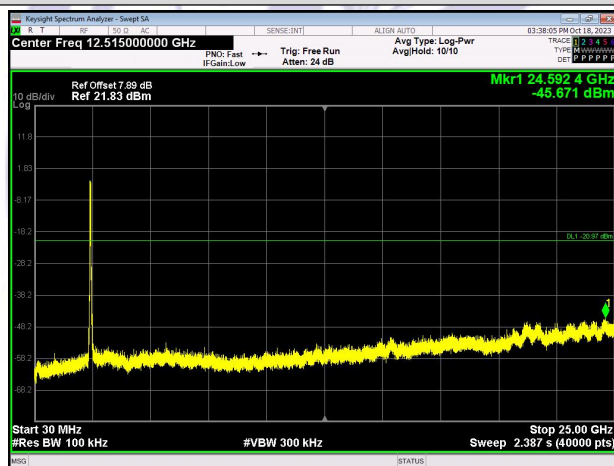
In-Band Reference Level IEEE 802.11n_Channel 3_40MHz_Antenna 0



Out Of Band Emission IEEE 802.11n_Channel 3_40MHz_Antenna 0



Spurious Emission IEEE 802.11n_Channel 3_40MHz_Antenna 0



In-Band Reference Level IEEE 802.11n_Channel 6_40MHz_Antenna 0

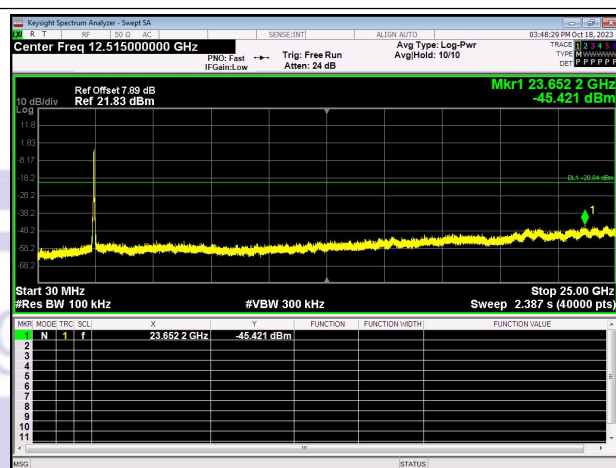


Spurious Emissions IEEE 802.11n_Channel 6_40MHz_Antenna 0

In-Band Reference Level IEEE 802.11n_Channel 9_40MHz_Antenna 0



Out Of Band Emission
IEEE 802.11n_Channel 9_40MHz_Antenna 0



Spurious Emission
IEEE 802.11n_Channel 9_40MHz_Antenna 0



8 6dB&99% Bandwidth Measurement

Test Requirement : FCC CFR47 Part 15 Section 15.247, RSS-GEN §6.7& RSS-247 §5.2

Test Method : ANSI C63.10:2013

Test Limit Systems using digital modulation techniques may operate in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

8.1 Test Procedure

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum;
2. Set the spectrum analyzer: RBW = 100kHz, VBW = 300kHz

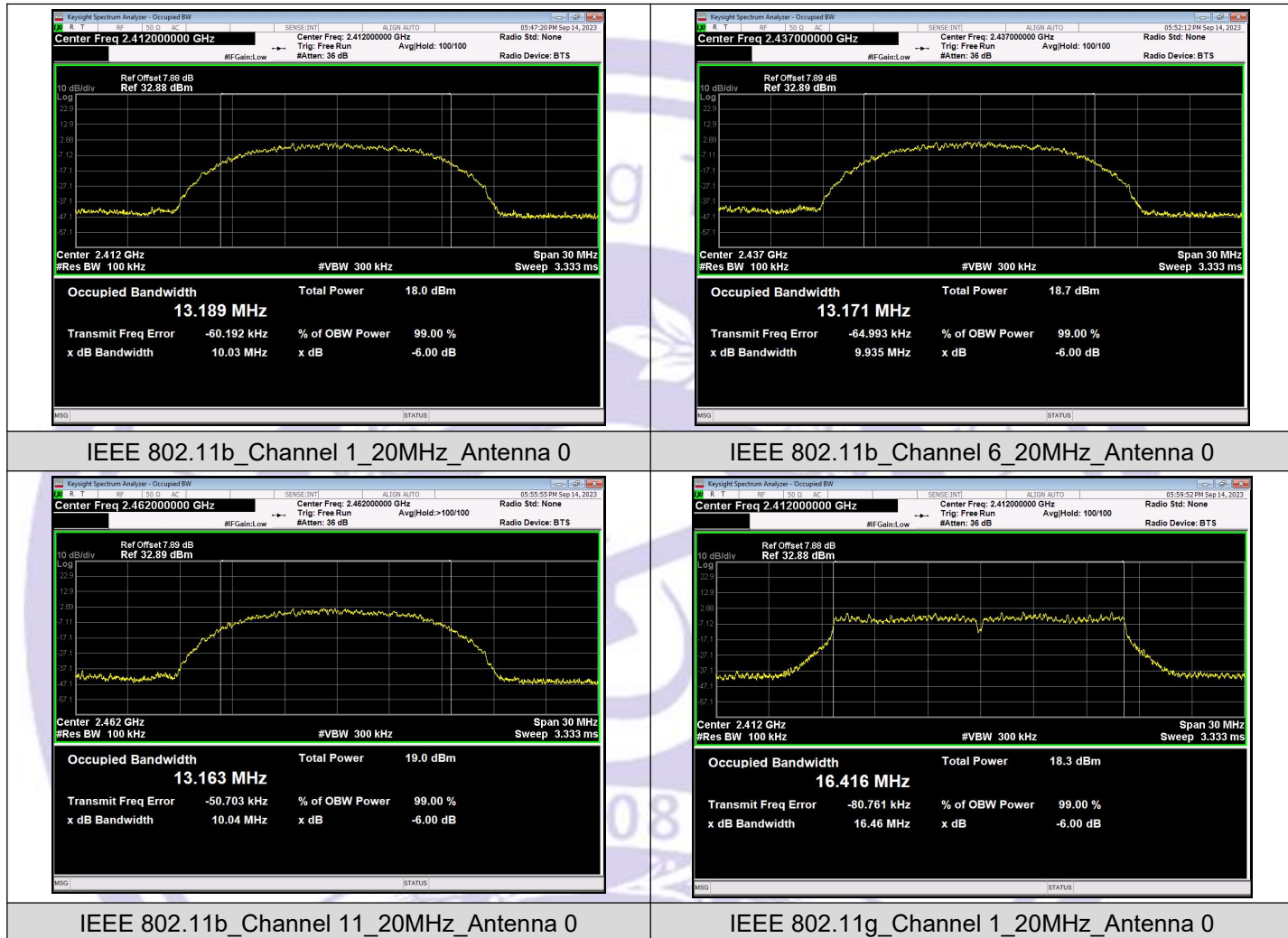
8.2 Test Result

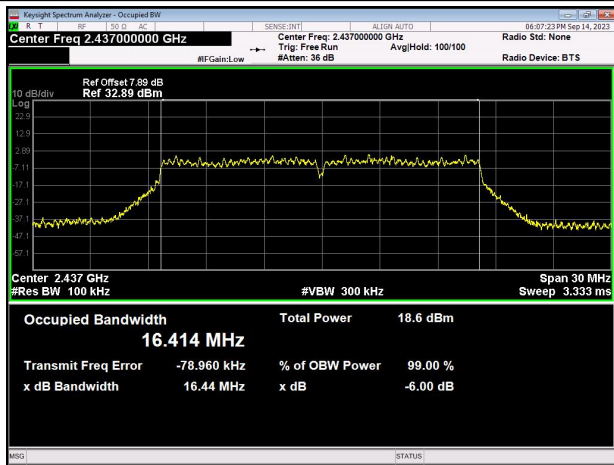
Test CH	-6dB Occupy Bandwidth (MHz)					Result
	802.11b	802.11g	802.11n(HT20)	802.11n(HT40)	Limit(KHz)	
Lowest	10.03	16.46	17.52	36.34	>500	Pass
Middle	9.935	16.44	17.37	35.91		
Highest	10.04	16.46	17.56	35.92		

Test CH	99% Occupy Bandwidth (MHz)					Result
	802.11b	802.11g	802.11n(HT20)	802.11n(HT40)	Limit(KHz)	
Lowest	13.186	16.575	17.657	36.083	/	Pass
Middle	13.144	16.590	17.640	36.174		
Highest	13.200	16.595	17.651	36.157		

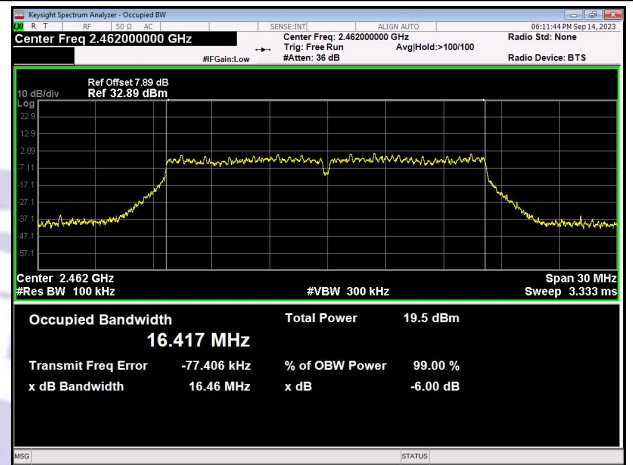
Test Graphs

6dB Bandwidth

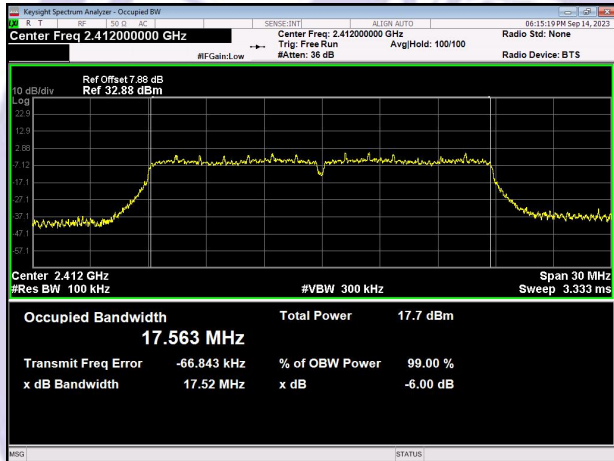




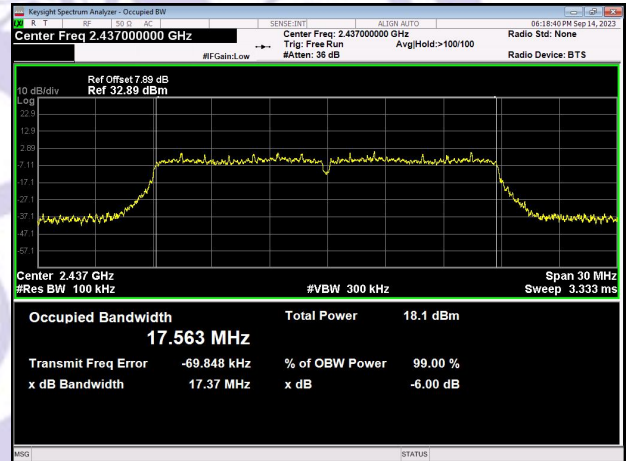
IEEE 802.11g_Channel 6_20MHz_Antenna 0



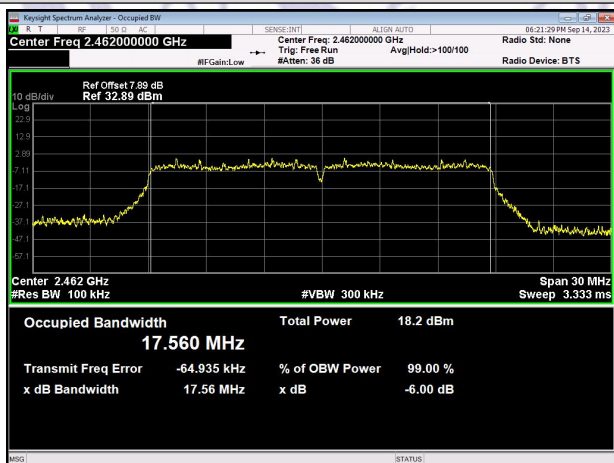
IEEE 802.11g_Channel 11_20MHz_Antenna 0



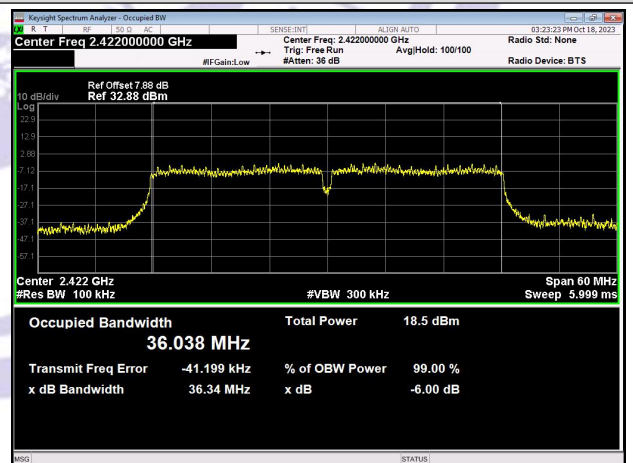
IEEE 802.11n_Channel 1_20MHz_Antenna 0



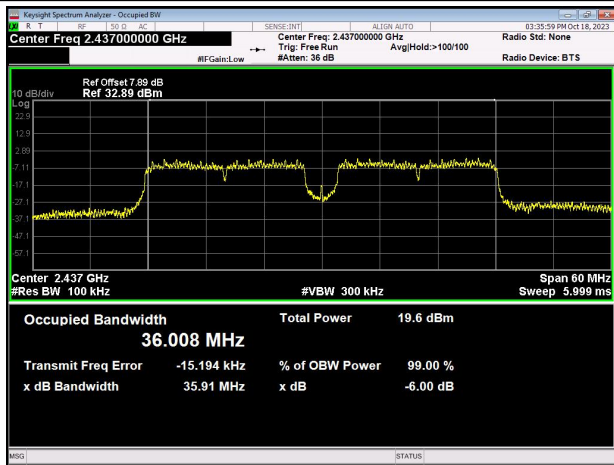
IEEE 802.11n_Channel 6_20MHz_Antenna 0



IEEE 802.11n_Channel 11_20MHz_Antenna 0

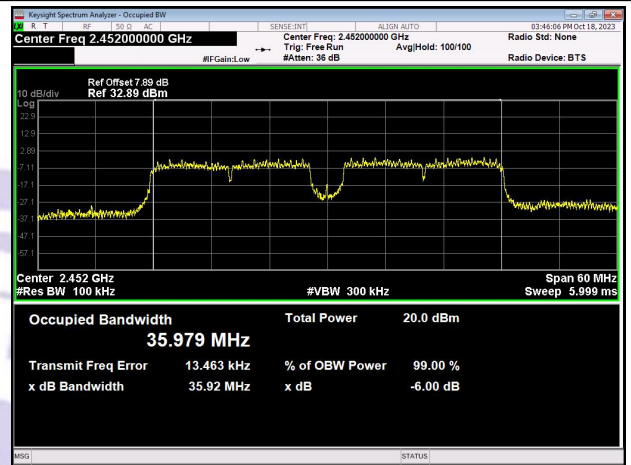


IEEE 802.11n_Channel 3_40MHz_Antenna 0

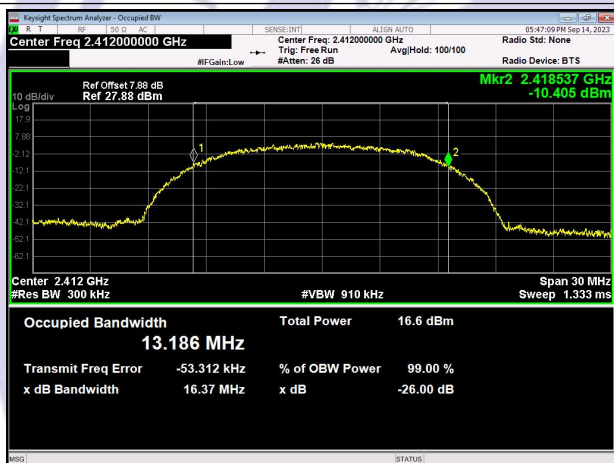


IEEE 802.11n_Channel 6_40MHz_Antenna 0

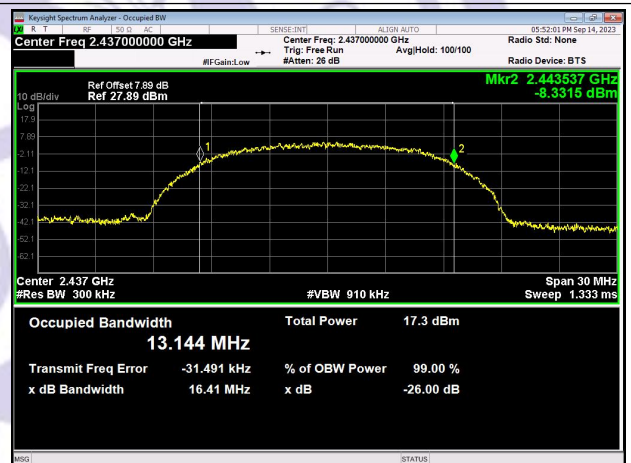
99% Bandwidth



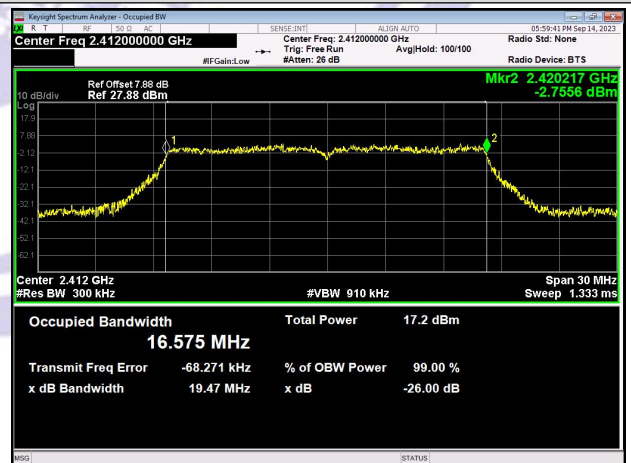
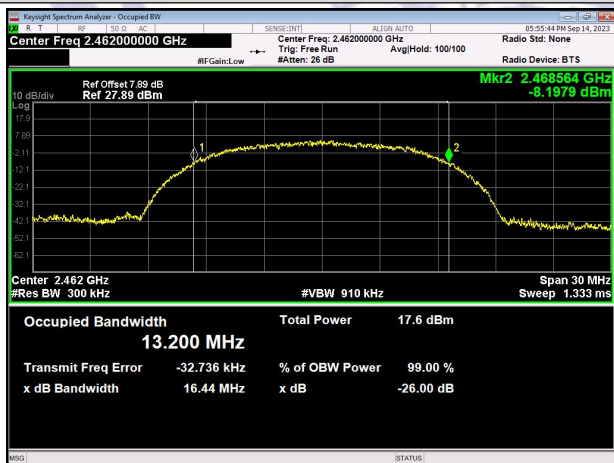
IEEE 802.11n_Channel 9_40MHz_Antenna 0



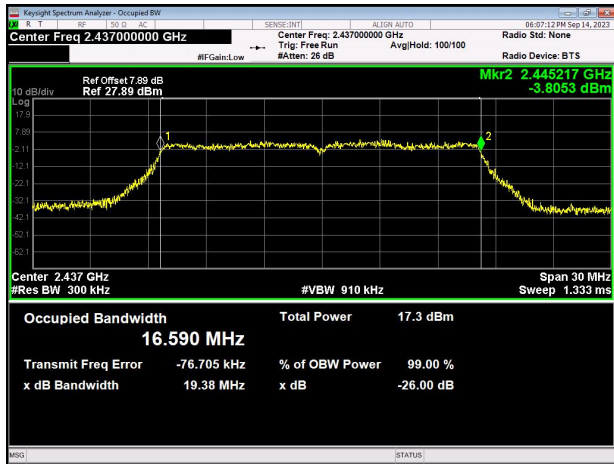
IEEE 802.11b_Channel 1_20MHz_Antenna 0



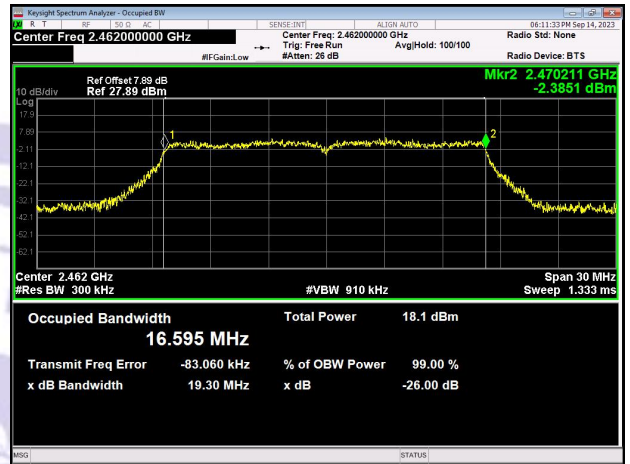
IEEE 802.11b_Channel 6_20MHz_Antenna 0



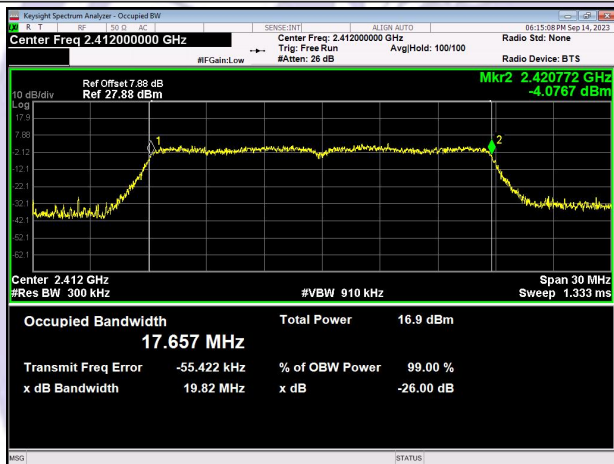
IEEE 802.11b_Channel 11_20MHz_Antenna 0



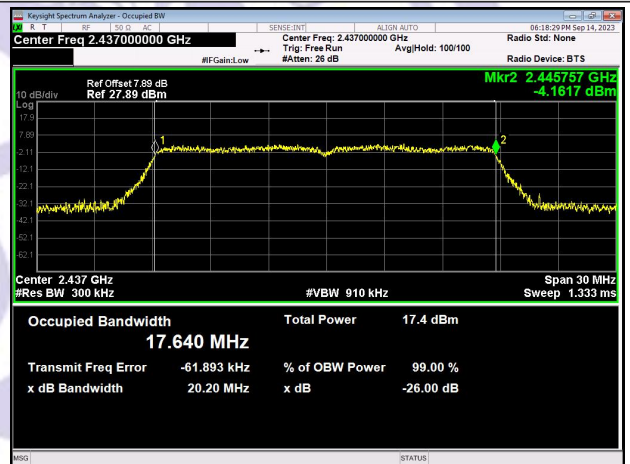
IEEE 802.11g_Channel 1_20MHz_Antenna 0



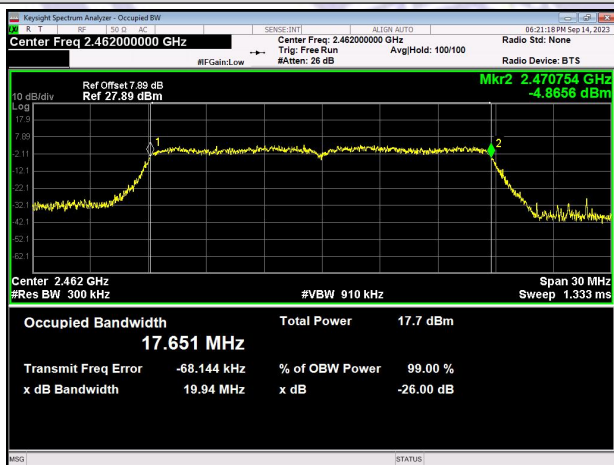
IEEE 802.11g_Channel 6_20MHz_Antenna 0



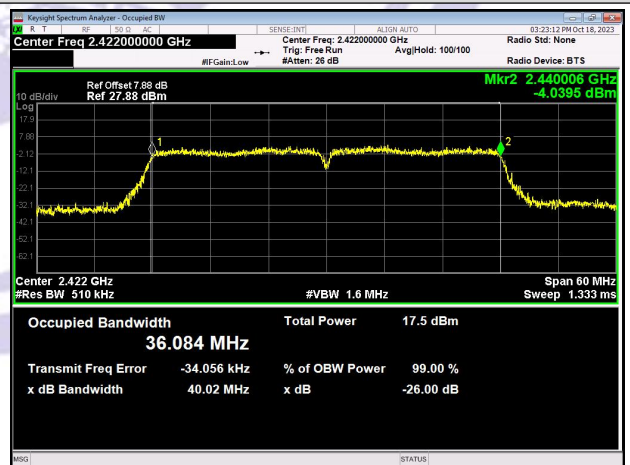
IEEE 802.11g_Channel 11_20MHz_Antenna 0



IEEE 802.11n_Channel 1_20MHz_Antenna 0

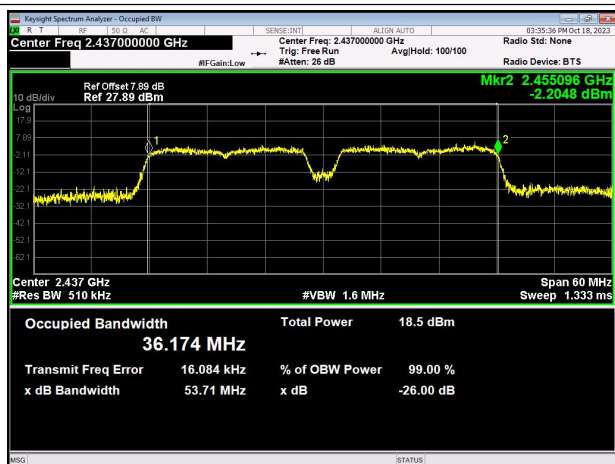


IEEE 802.11n_Channel 6_20MHz_Antenna 0

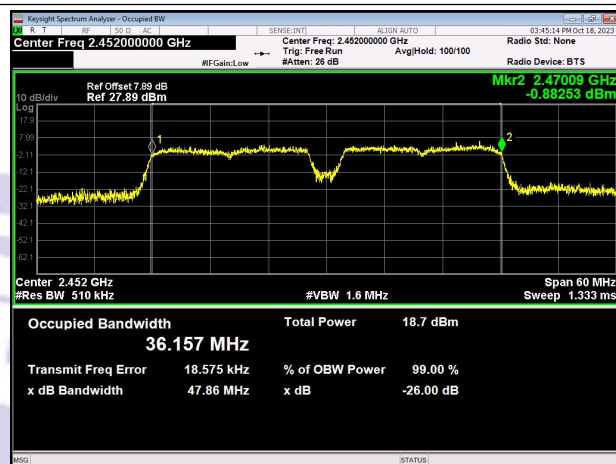


IEEE 802.11n_Channel 11_20MHz_Antenna 0

IEEE 802.11n_Channel 3_40MHz_Antenna 0



IEEE 802.11n_Channel 6_40MHz_Antenna 0



IEEE 802.11n_Channel 9_40MHz_Antenna 0

9 Maximum Peak Output Power

Test Requirement : FCC CFR47 Part 15 Section 15.247, RSS-247 § 5.4

Test Method : ANSI C63.10:2013

Test Limit : Regulation 15.247 (b)(3), For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power.

9.1 Test Procedure

The maximum peak conducted output power may be measured using a broadband peak RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall utilize a fast-responding diode detector.

9.2 Test Result

	Maximum Peak Output Power (dBm)				Limit
	802.11b	802.11g	802.11n20	802.11n40	
Low Channel	15.79	18.38	18.40	18.74	1W(30dBm)
Middle Channel	16.52	18.74	18.97	19.51	1W(30dBm)
High Channel	16.74	19.42	19.18	19.88	1W(30dBm)

Note:

1. For power test the duty cycle is 100% in continuous transmitting mode;
2. TX means Transmit, RX means Receive.