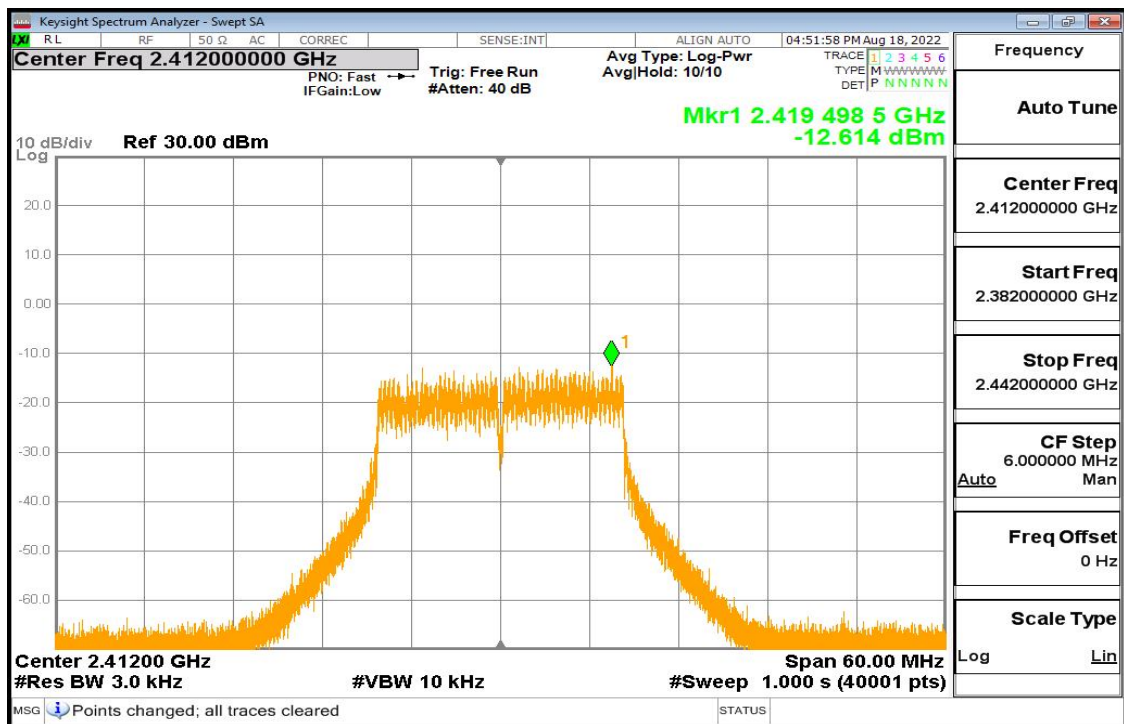
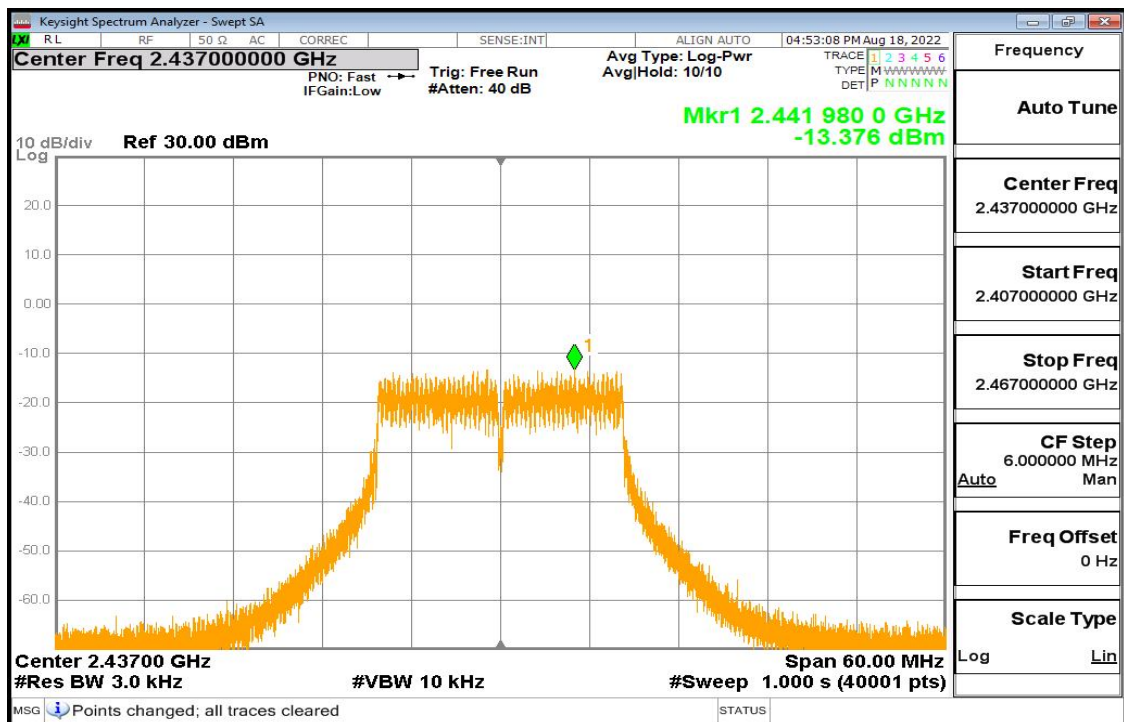


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11g_Antenna0_Channel_1_Freq_2412.00MHz

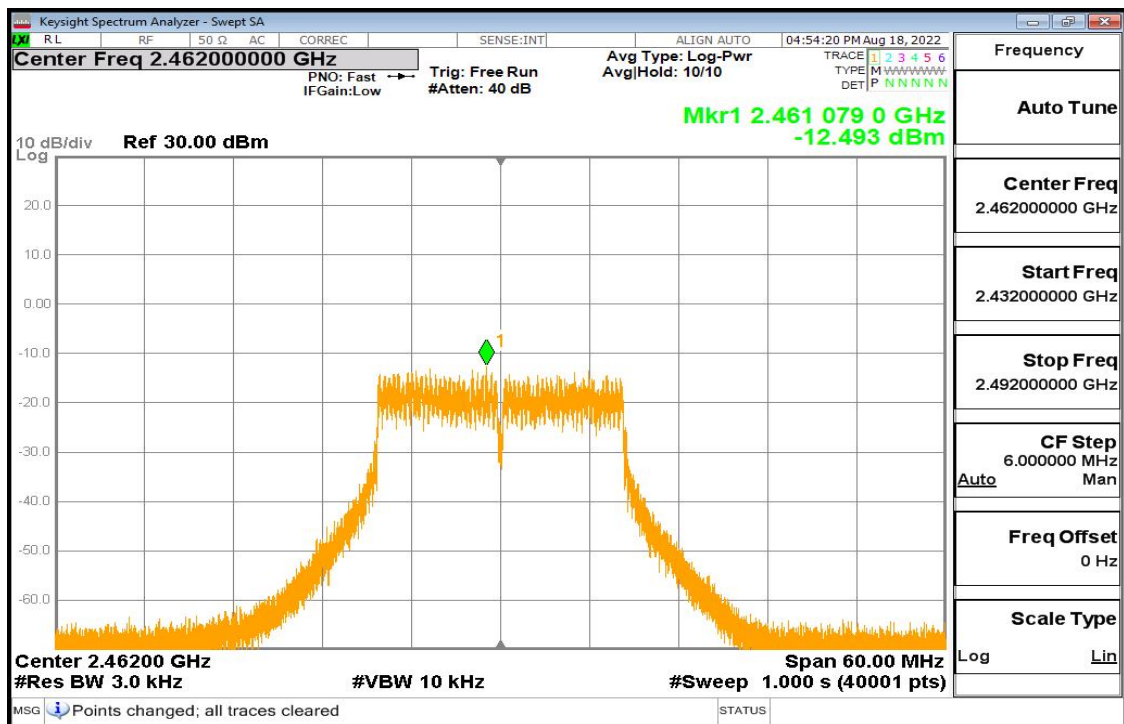


11g_Antenna0_Channel_6_Freq_2437.00MHz

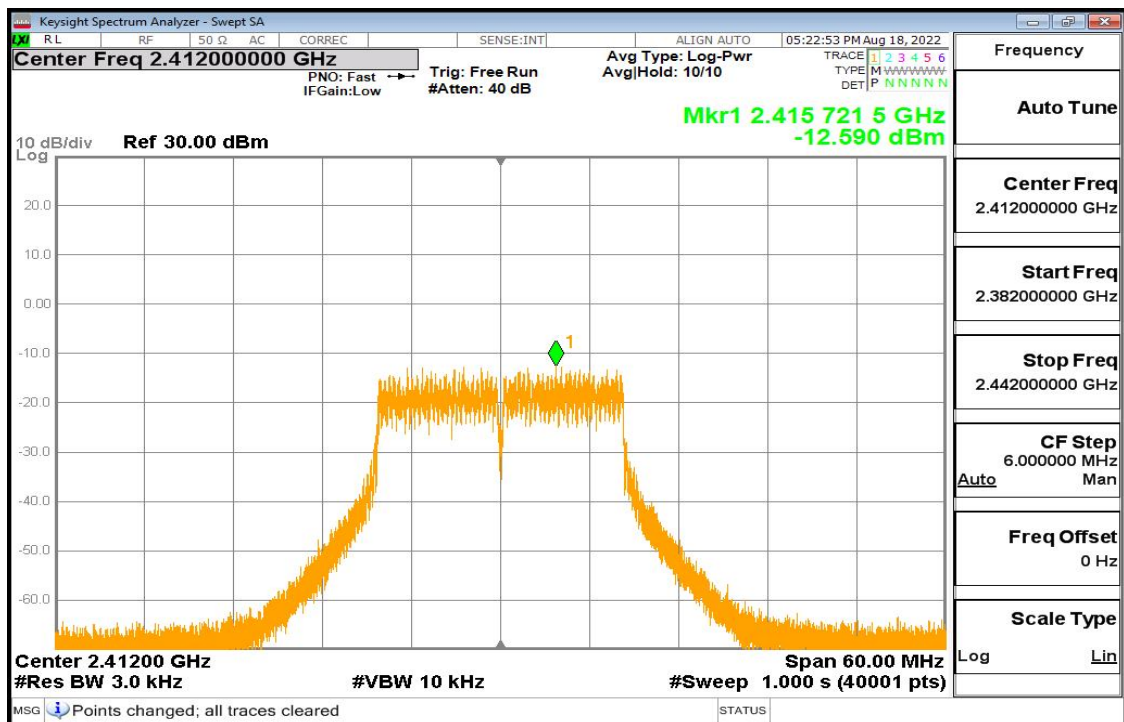
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11g_Antenna0_Channel_11_Freq_2462.00MHz

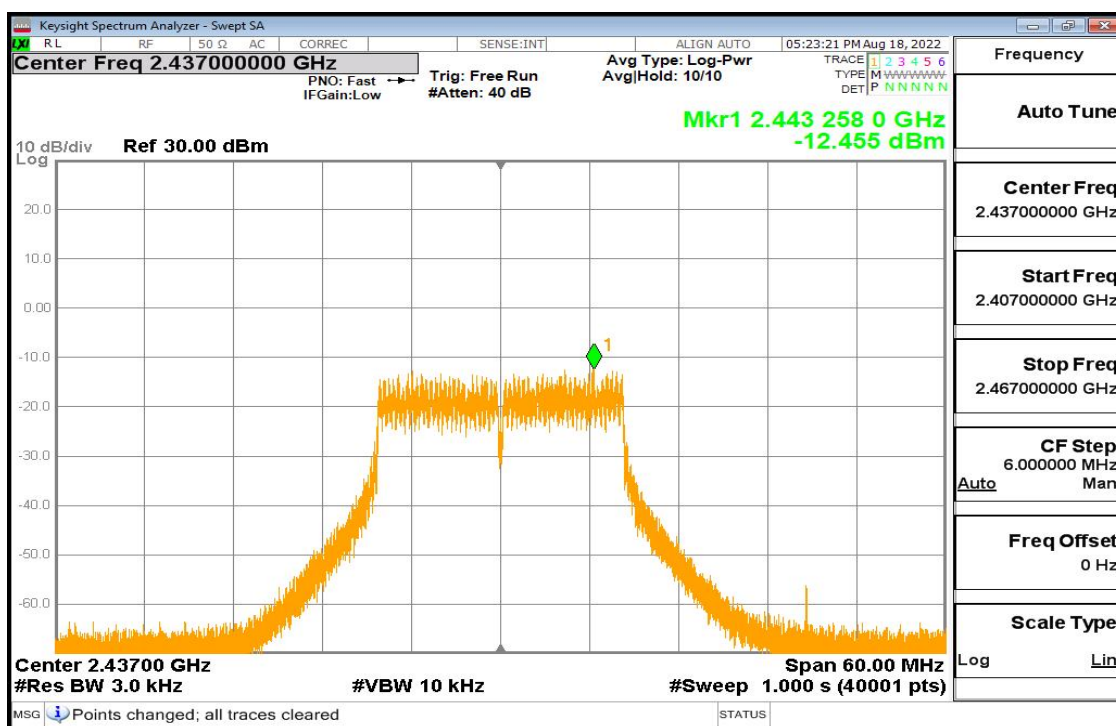


11g_Antenna1_Channel_1_Freq_2412.00MHz

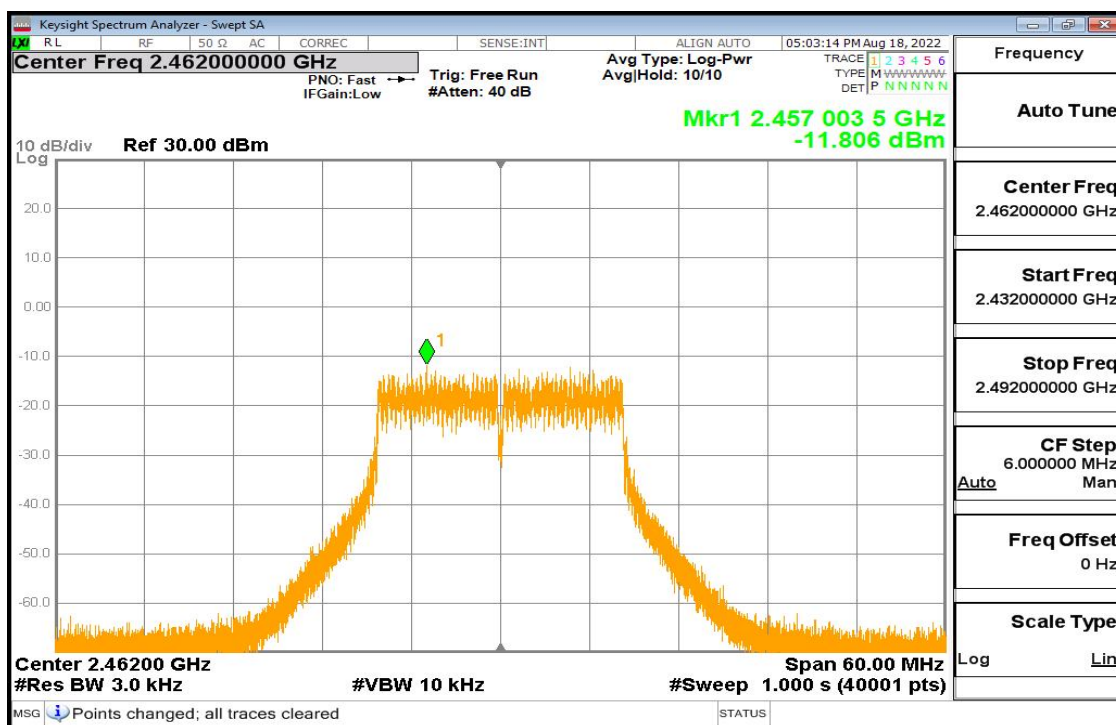
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11g_Antenna1_Channel_6_Freq_2437.00MHz

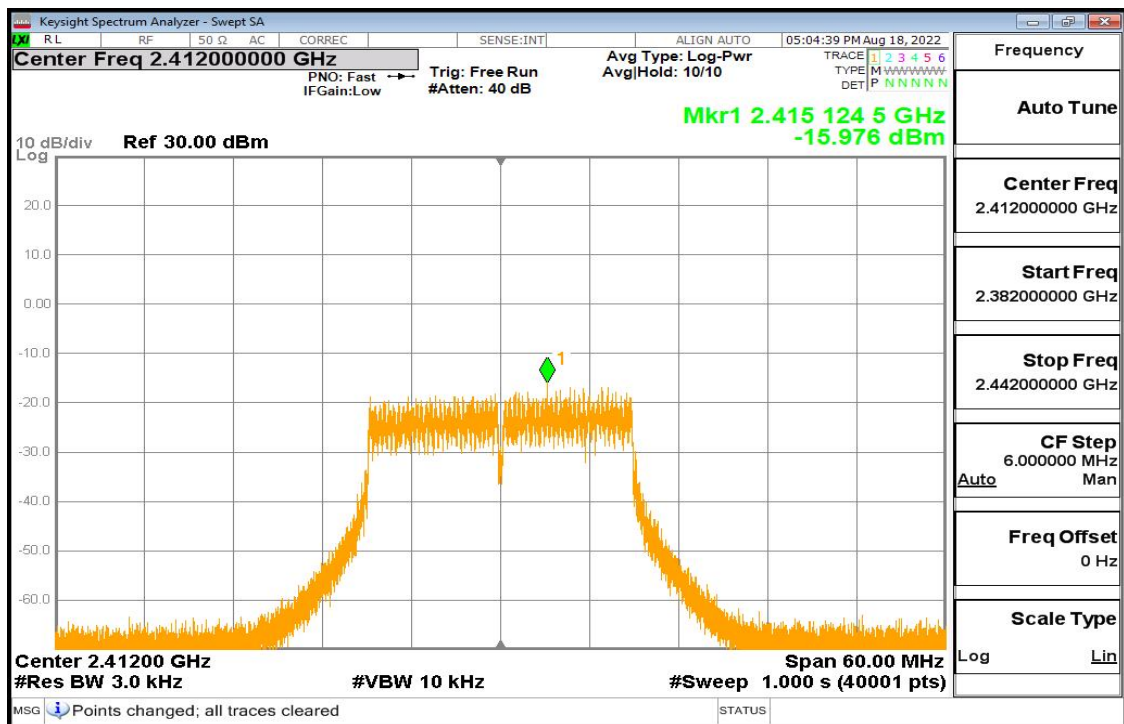


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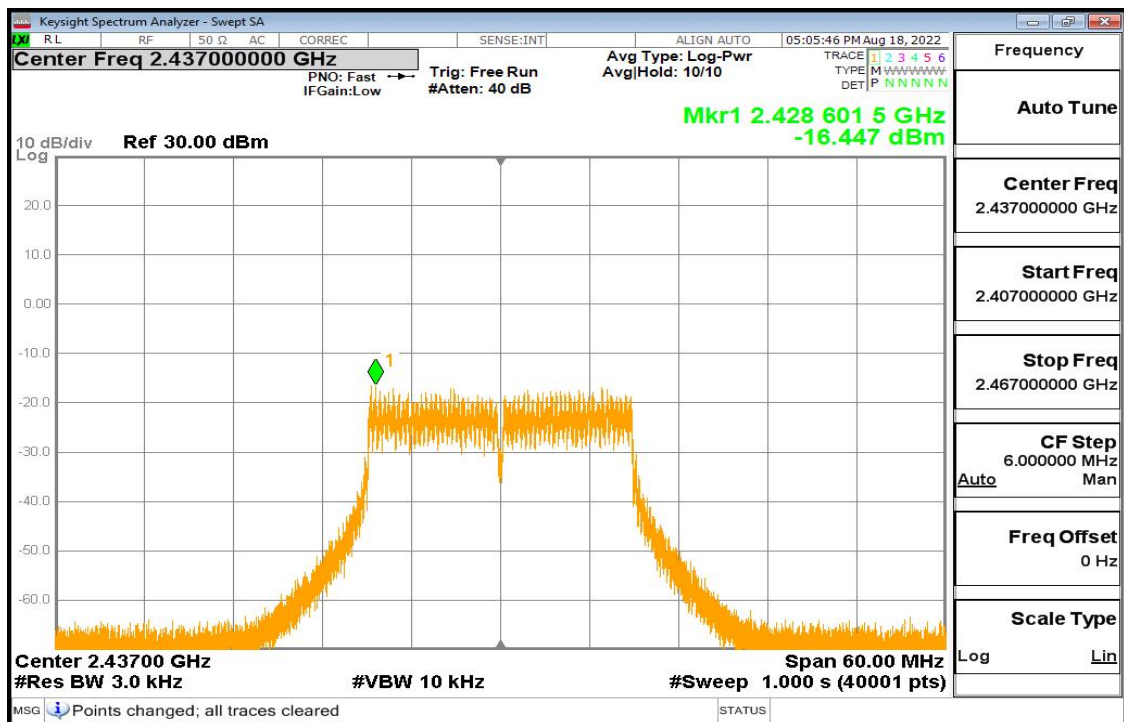
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11n-HT20_Antenna0_Channel_1_Freq_2412.00MHz

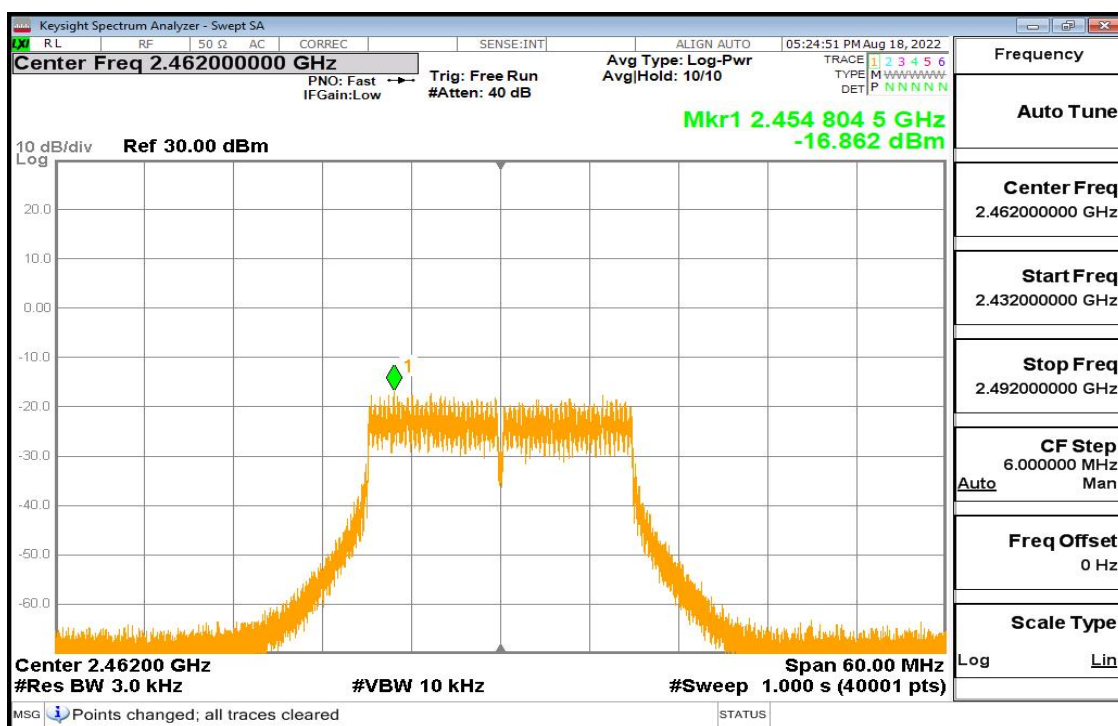


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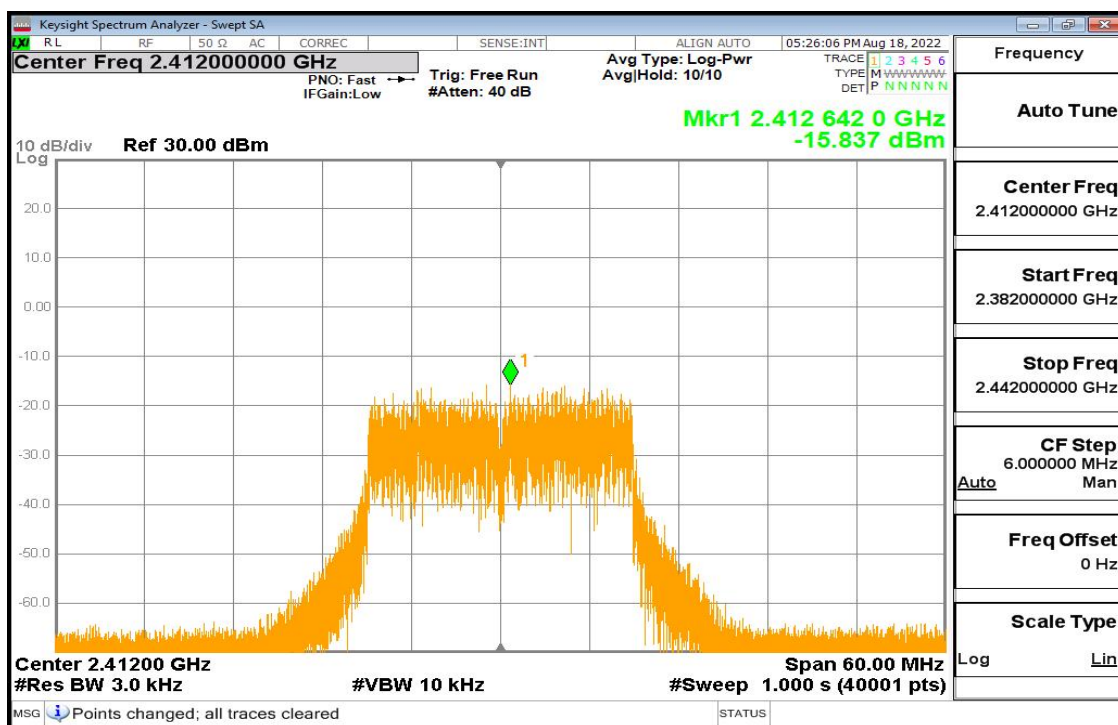
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11n-HT20_Antenna0_Channel_11_Freq_2462.00MHz

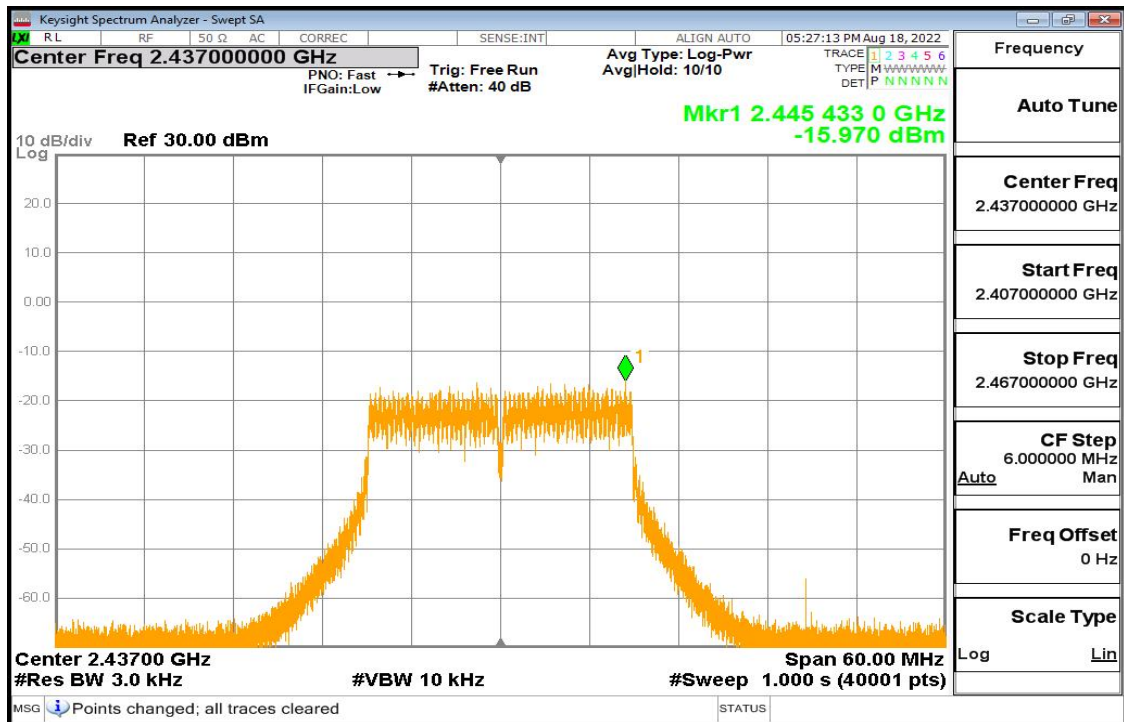


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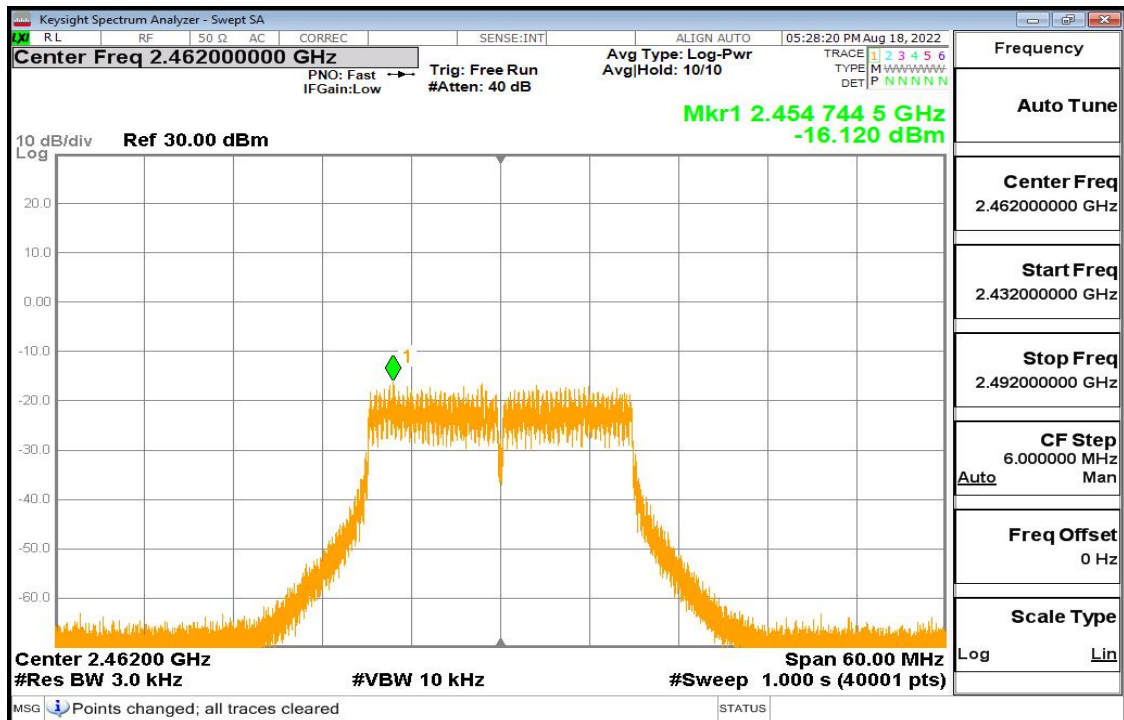
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11n-HT20_Antenna1_Channel_6_Freq_2437.00MHz

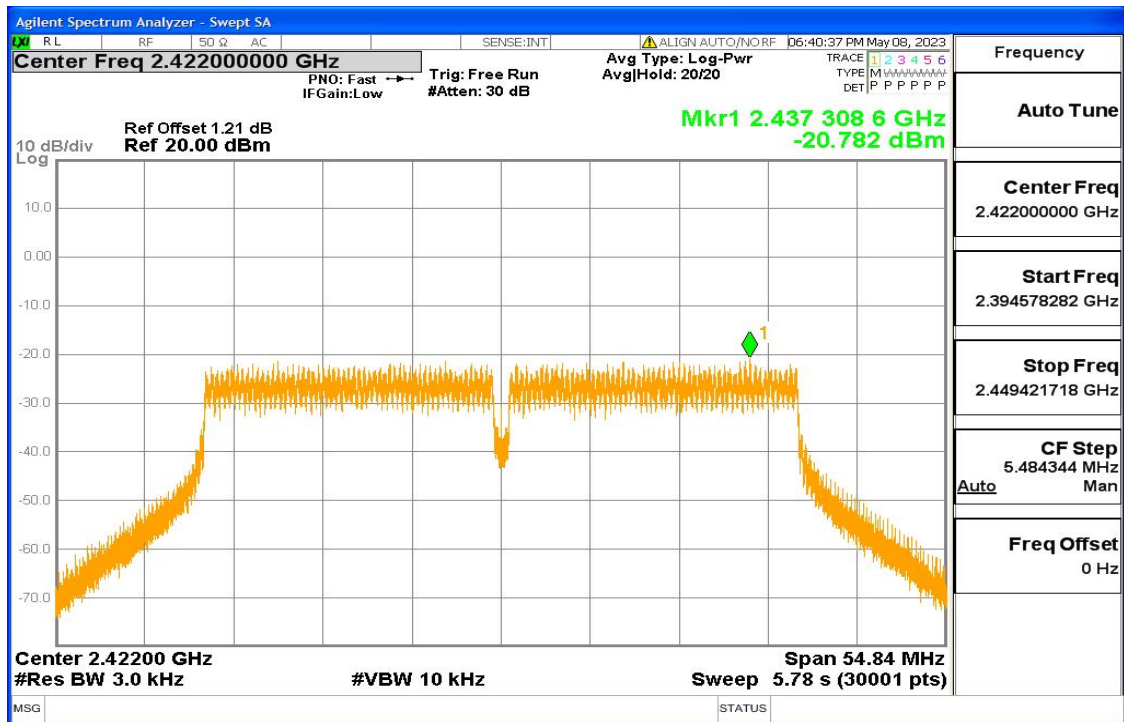


11n-HT20_Antenna1_Channel_11_Freq_2462.00MHz

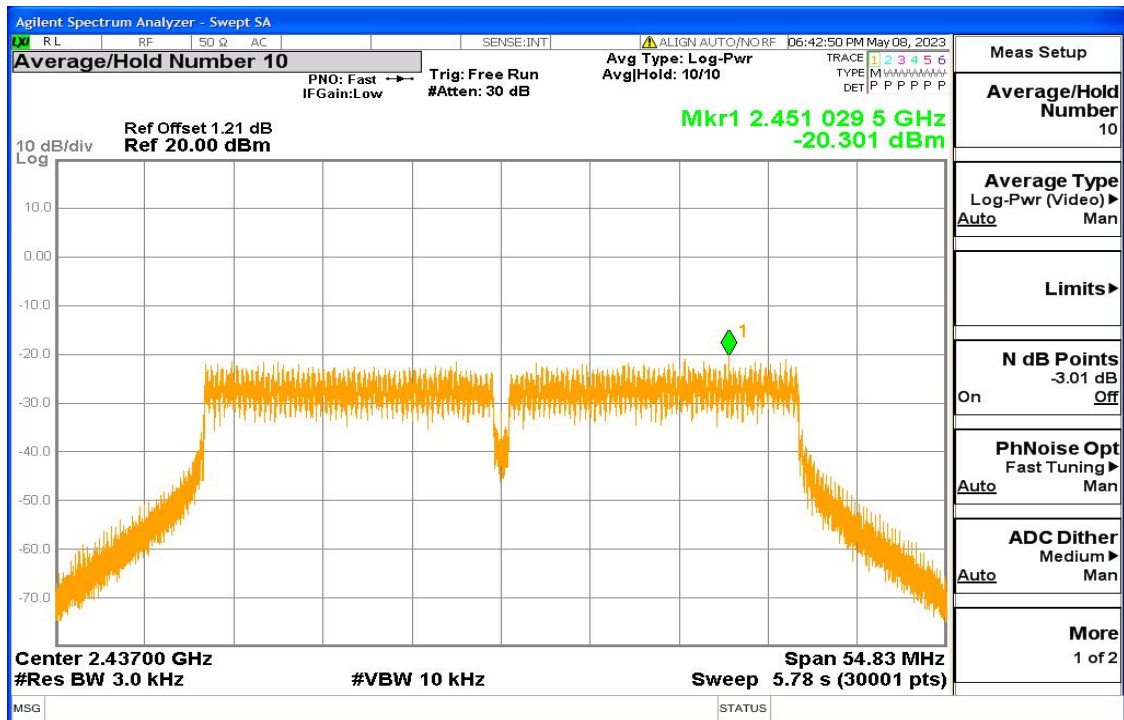
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11n-HT40_Antenna0_Channel_3_Freq_2422.00MHz

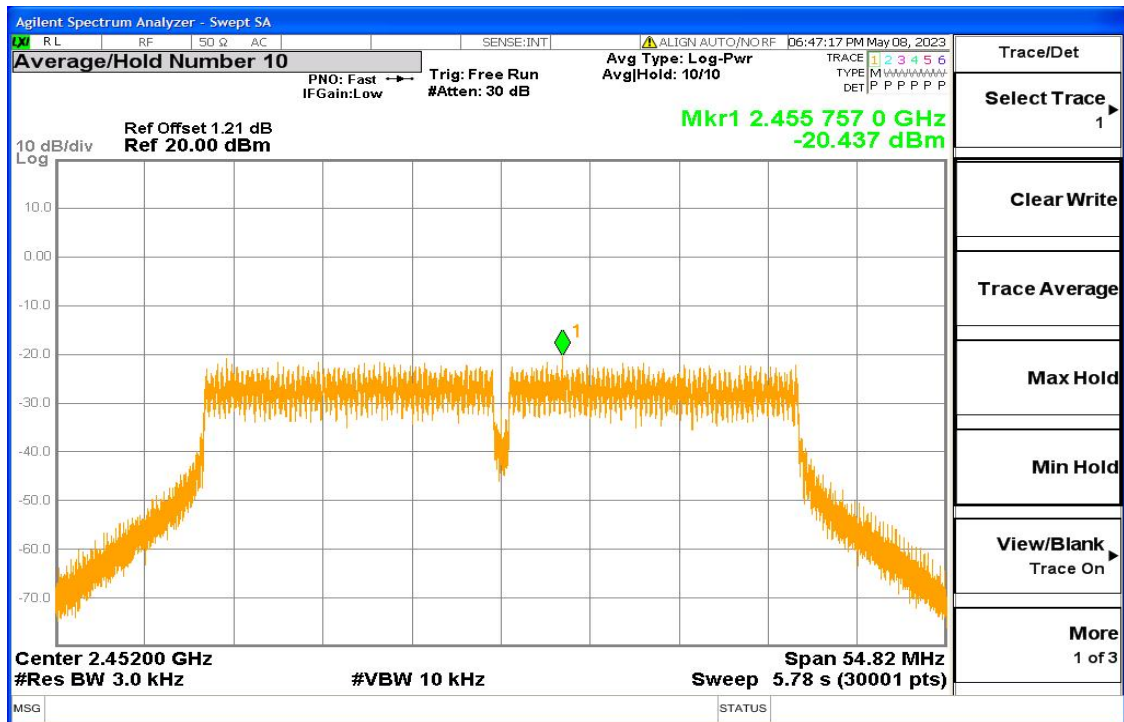


11n-HT40_Antenna0_Channel_6_Freq_2437.00MHz

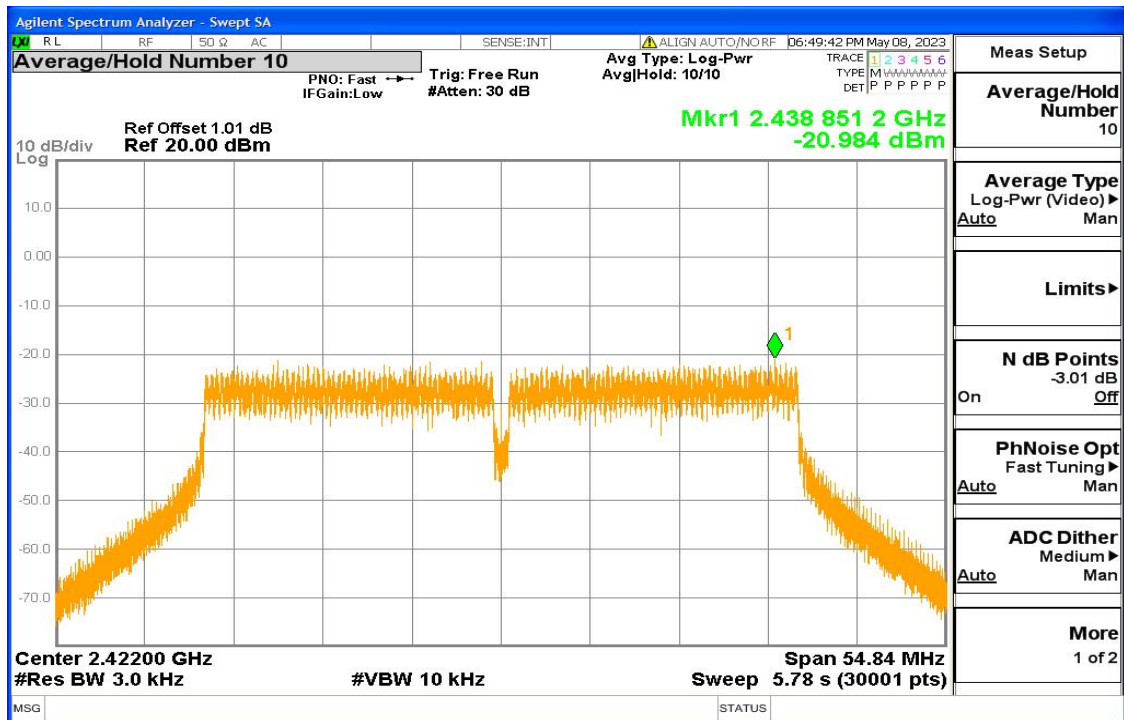
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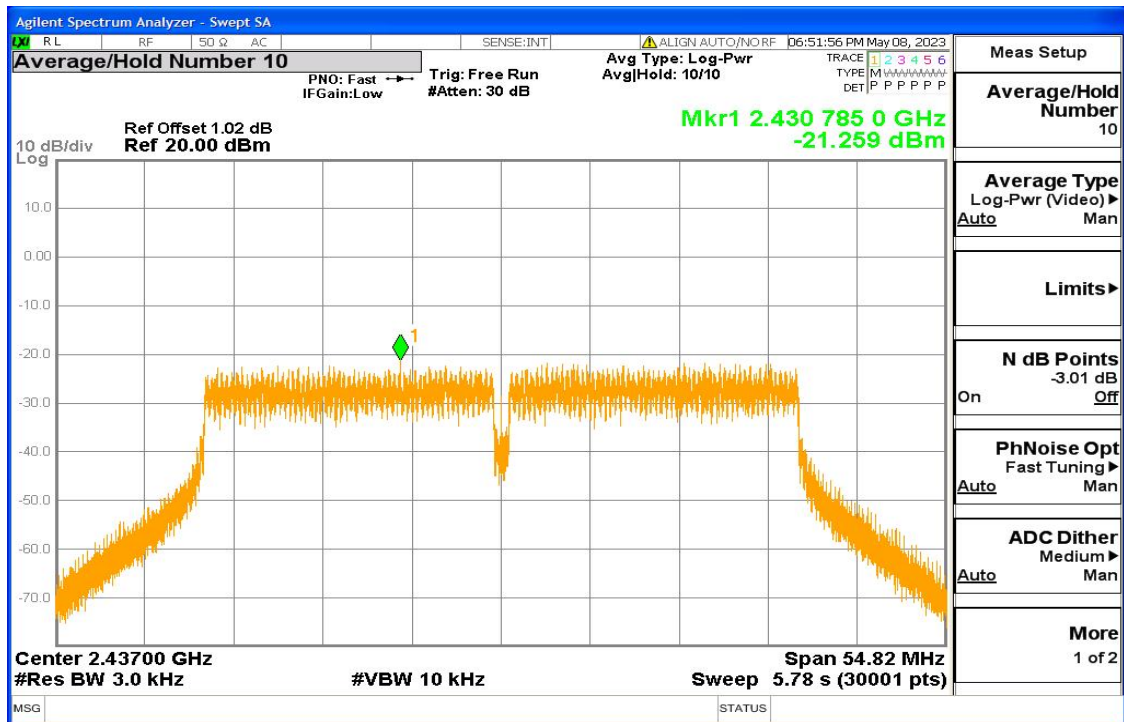
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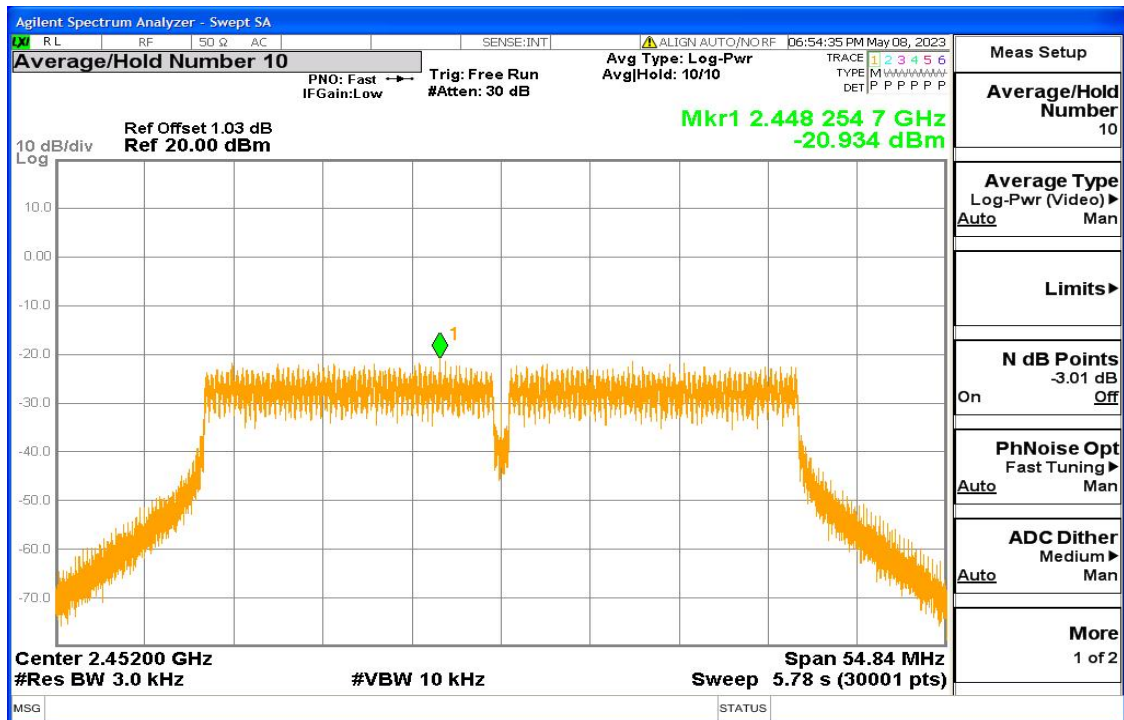
11n-HT40_Antenna1_Channel_3_Freq_2422.00MHz

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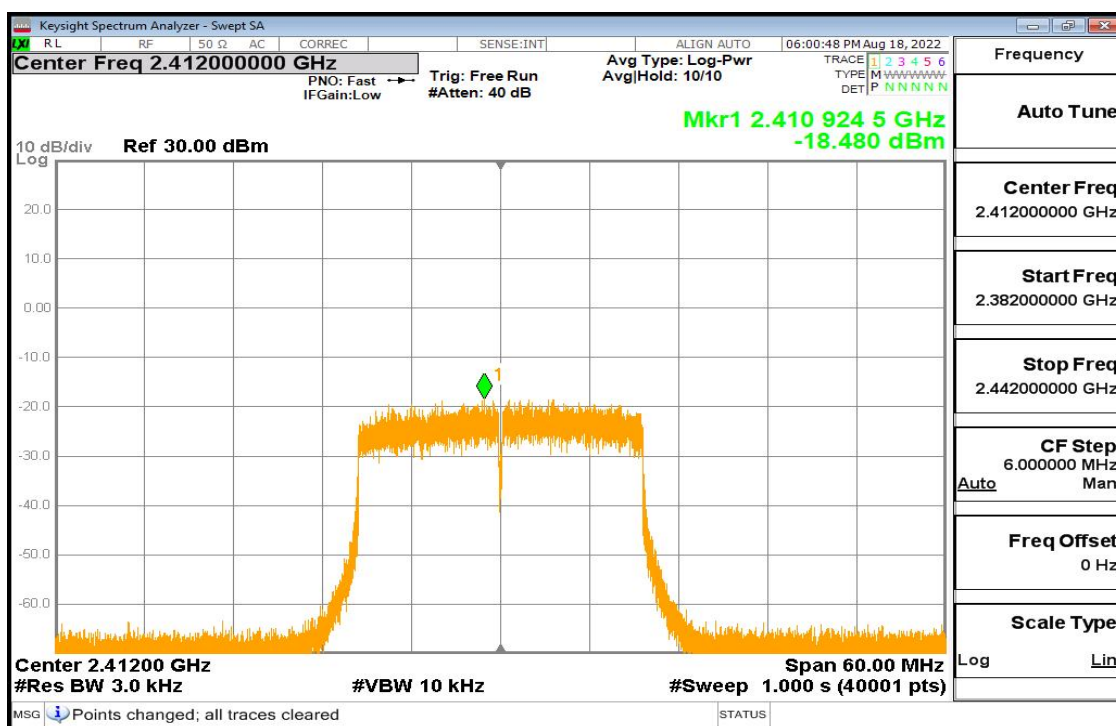


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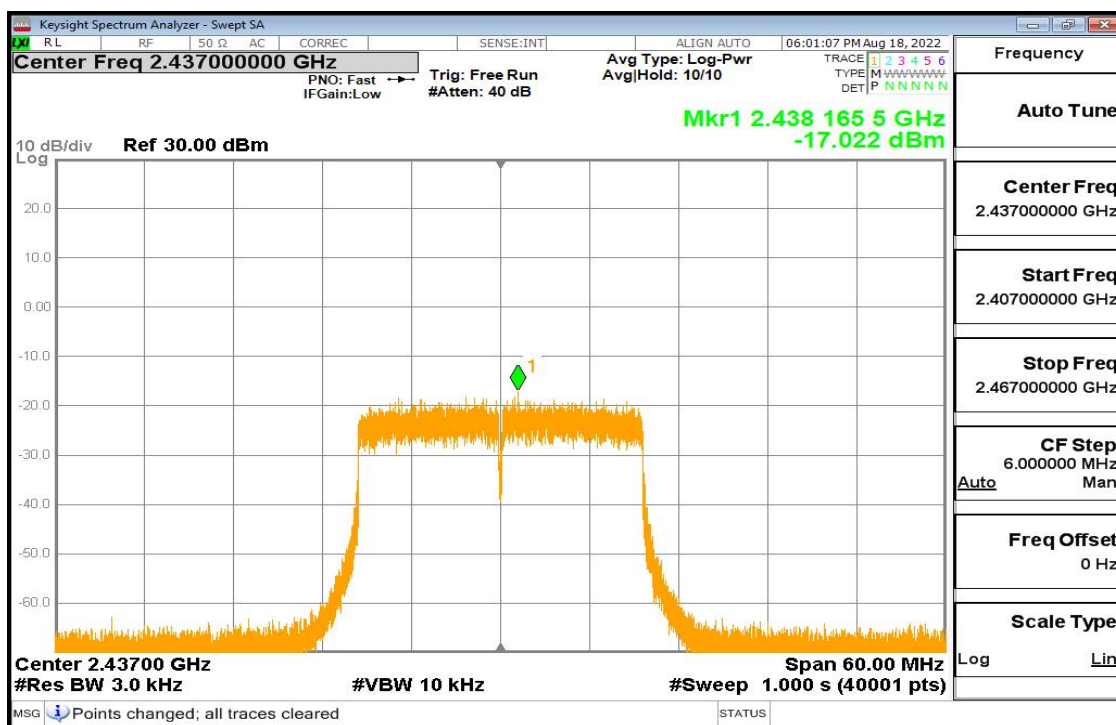


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Report No.: I22W00019-WiFi RF-2.4GHz-Rev4



11ax-HE20_Antenna0_Channel_1_Freq_2412.00MHz

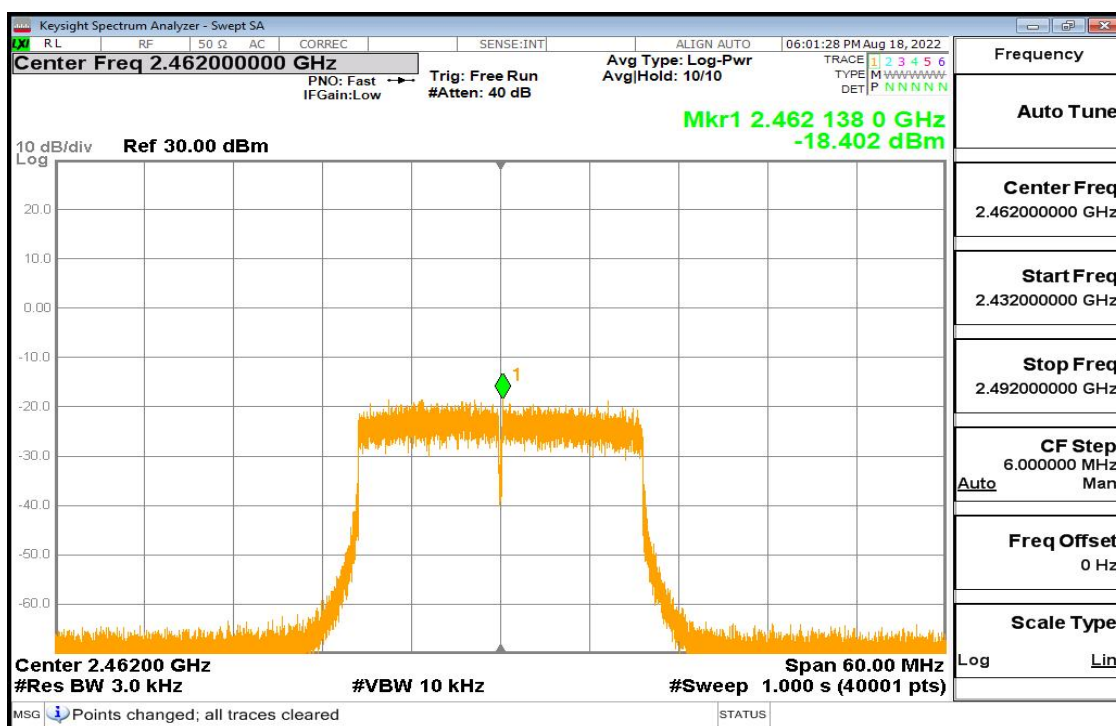


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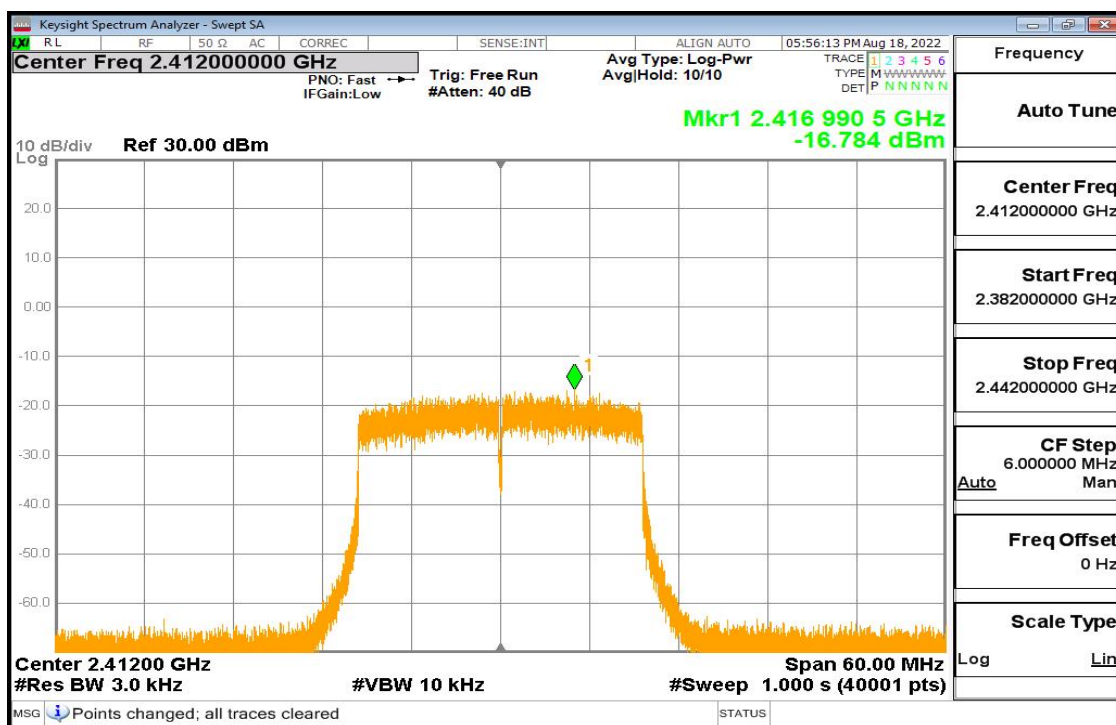
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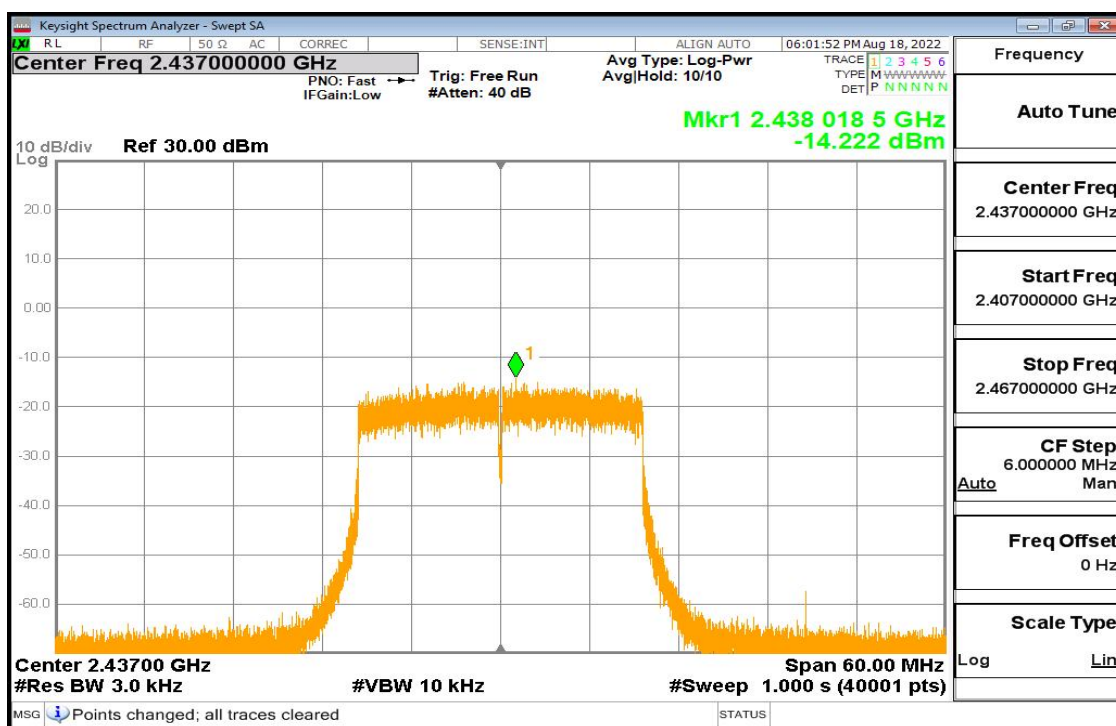
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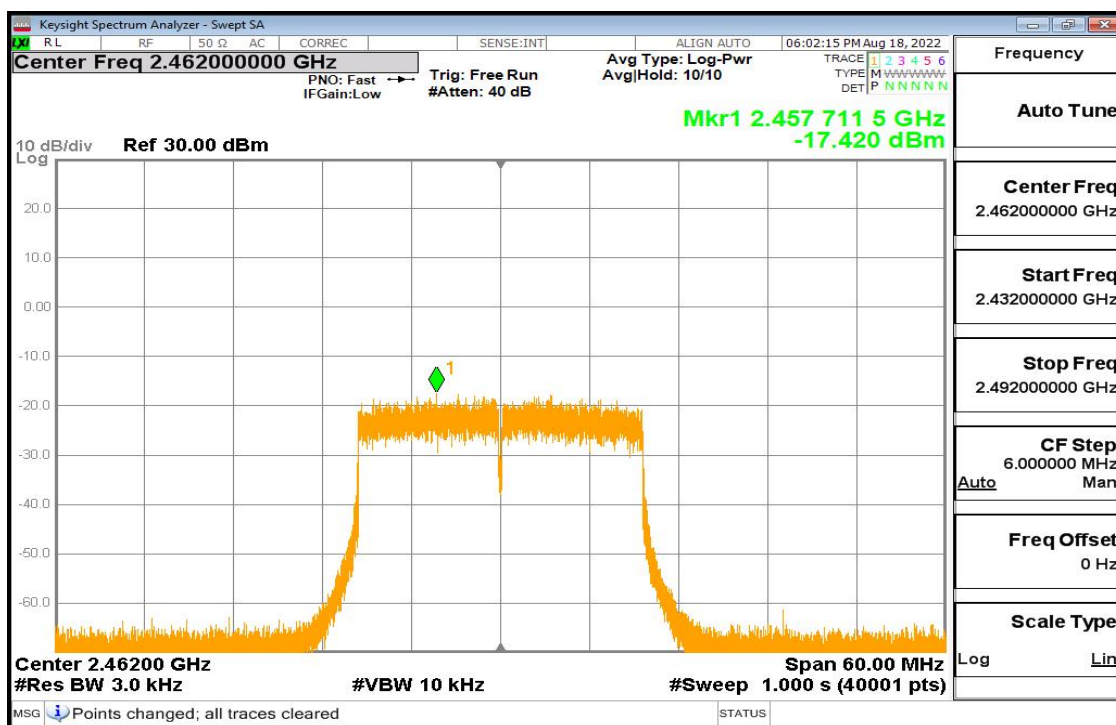
11ax-HE20_Antenna1_Channel_1_Freq_2412.00MHz

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11ax-HE20_Antenna1_Channel_6_Freq_2437.00MHz

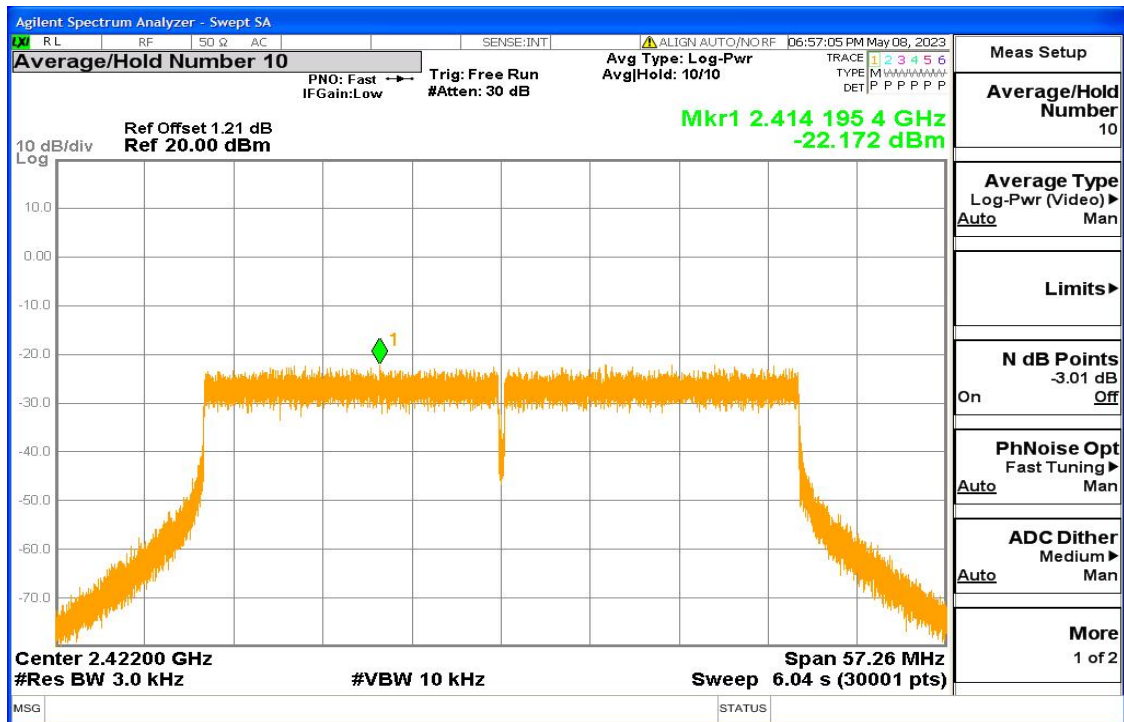


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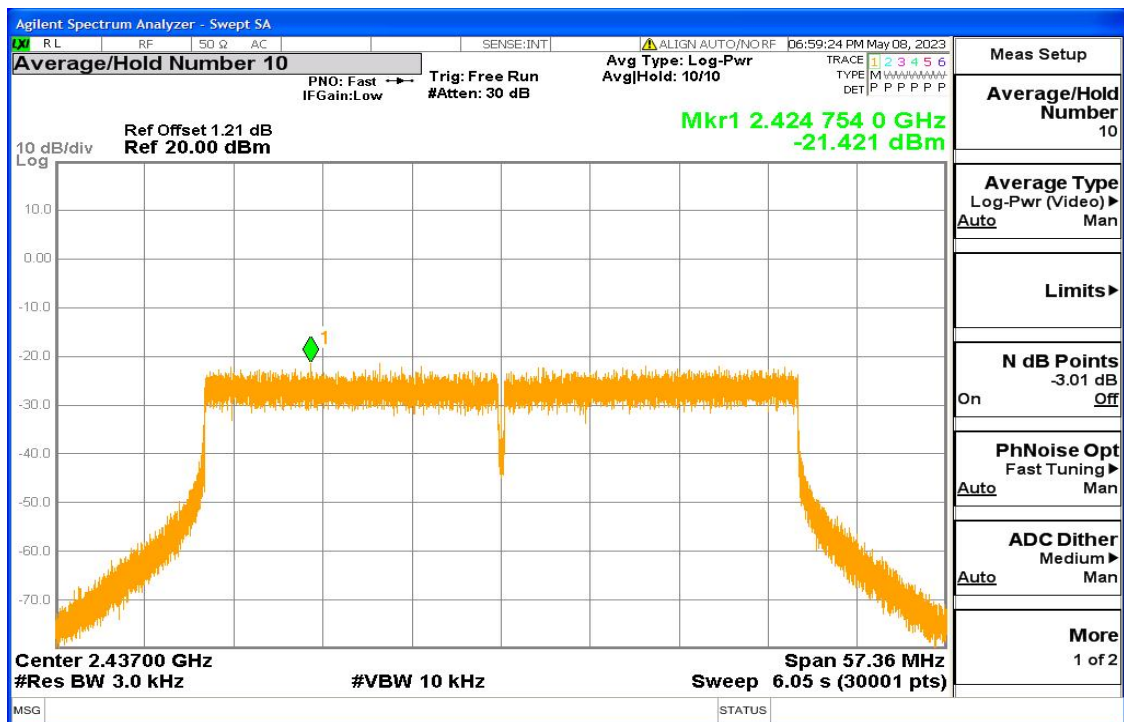
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11ax-HE40_Antenna0_Channel_3_Freq_2422.00MHz

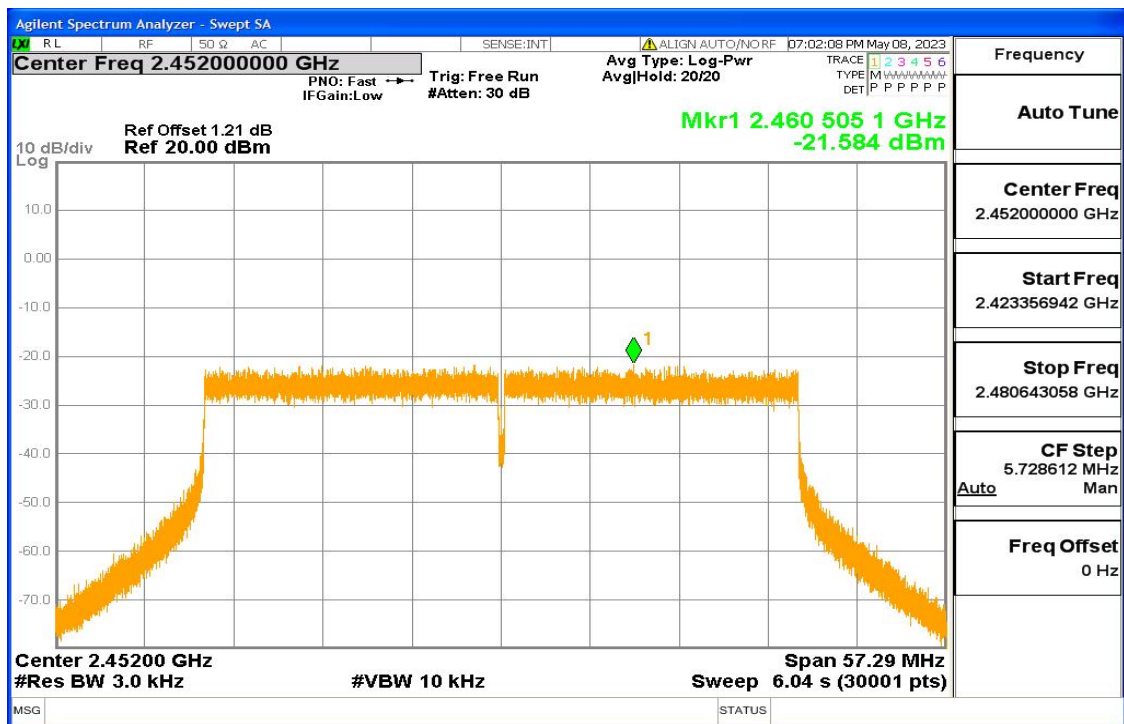


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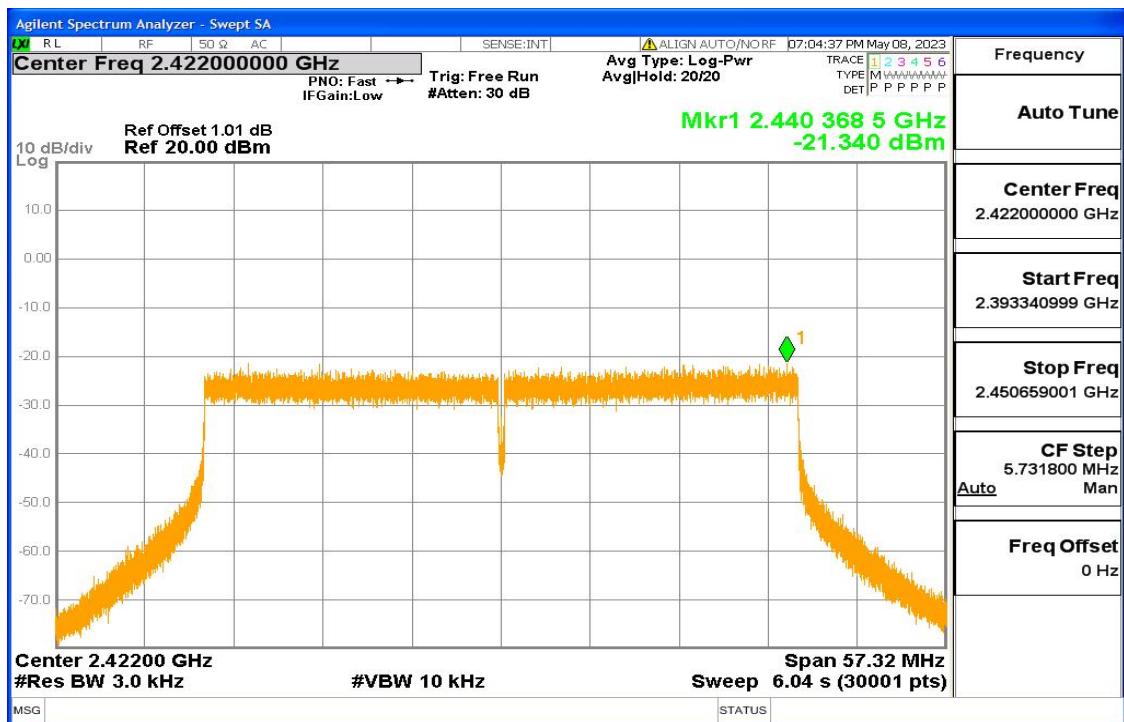
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11ax-HE40_Antenna0_Channel_9_Freq_2452.00MHz

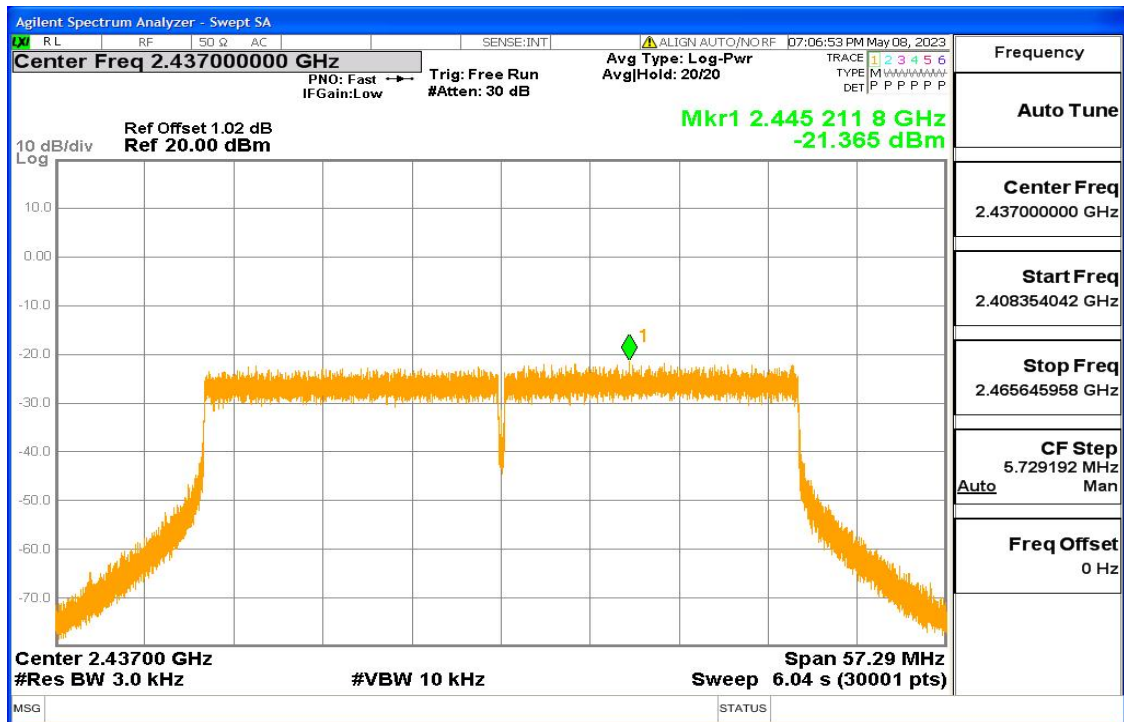


11ax-HE40_Antenna1_Channel_3_Freq_2422.00MHz

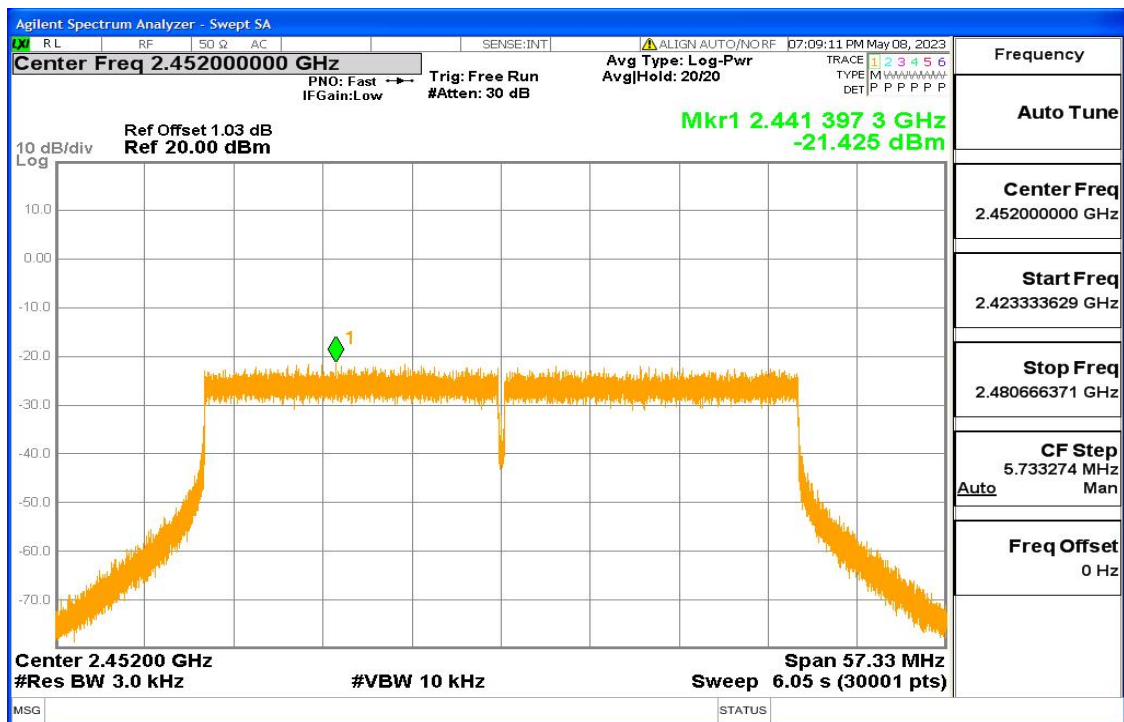
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11ax-HE40_Antenna1_Channel_6_Freq_2437.00MHz



11ax-HE40_Antenna1_Channel_9_Freq_2452.00MHz

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6.4. 6dB Occupied Bandwidth

SpeciPications:	FCC 47 CFR Part 15.247(a)
DUT Serial Number:	S1
Test conditions:	Ambient Temperature: 15°C-35°C Relative Humidity: 30%-60% Air pressure: 86-106kPa
Test Results:	Pass

Limit Level Construction:

Standard	Limit(KHz)
FCC 47 CFR Part 15.247(a)	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.

Measurement Uncertainty:

Measurement Uncertainty	$\pm 1.1\text{kHz}$
-------------------------	---------------------

Test Procedure

The measurement is according to ANSI C63.10 clause 11.8.1

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 RBW = 100 kHz.

2.Set the VBW $\geq$ $[3 \times \text{RBW}]$.

3.Detector = peak.

4.Trace mode = max hold.

5.Sweep = auto couple.

6.Allow the trace to stabilize.

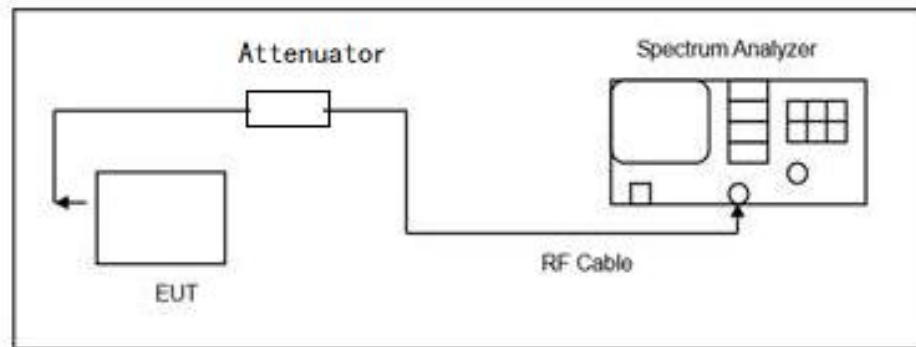
7.Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

Note: --

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Test block diagram:



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Measurement Results:
Chain.0

Mode	Channel	Occupied 6dB Bandwidth (MHz)		Conclusion
802.11b	1	Pic.1	8.06	PASS
	6	Pic.2	7.96	PASS
	11	Pic.3	8.03	PASS

Mode	Channel	Occupied 6dB Bandwidth (MHz)		Conclusion
802.11g	1	Pic.1	16.57	PASS
	6	Pic.2	16.55	PASS
	11	Pic.3	16.54	PASS

Mode	Channel	Occupied 6dB Bandwidth (MHz)		Conclusion
802.11n-HT20	1	Pic.1	17.80	PASS
	6	Pic.2	17.76	PASS
	11	Pic.3	17.77	PASS

Mode	Channel	Occupied 6dB Bandwidth (MHz)		Conclusion
802.11n-HT40	3	Pic.1	36.57	PASS
	6	Pic.2	36.59	PASS
	9	Pic.3	36.5	PASS

Mode	Channel	Occupied 6dB Bandwidth (MHz)		Conclusion
802.11ax-HE20	1	Pic.1	19.14	PASS
	6	Pic.2	19.13	PASS
	11	Pic.3	19.10	PASS

Mode	Channel	Occupied 6dB Bandwidth (MHz)		Conclusion
802.11ax-HE40	3	Pic.1	38.22	PASS
	6	Pic.2	38.28	PASS
	9	Pic.3	38.25	PASS

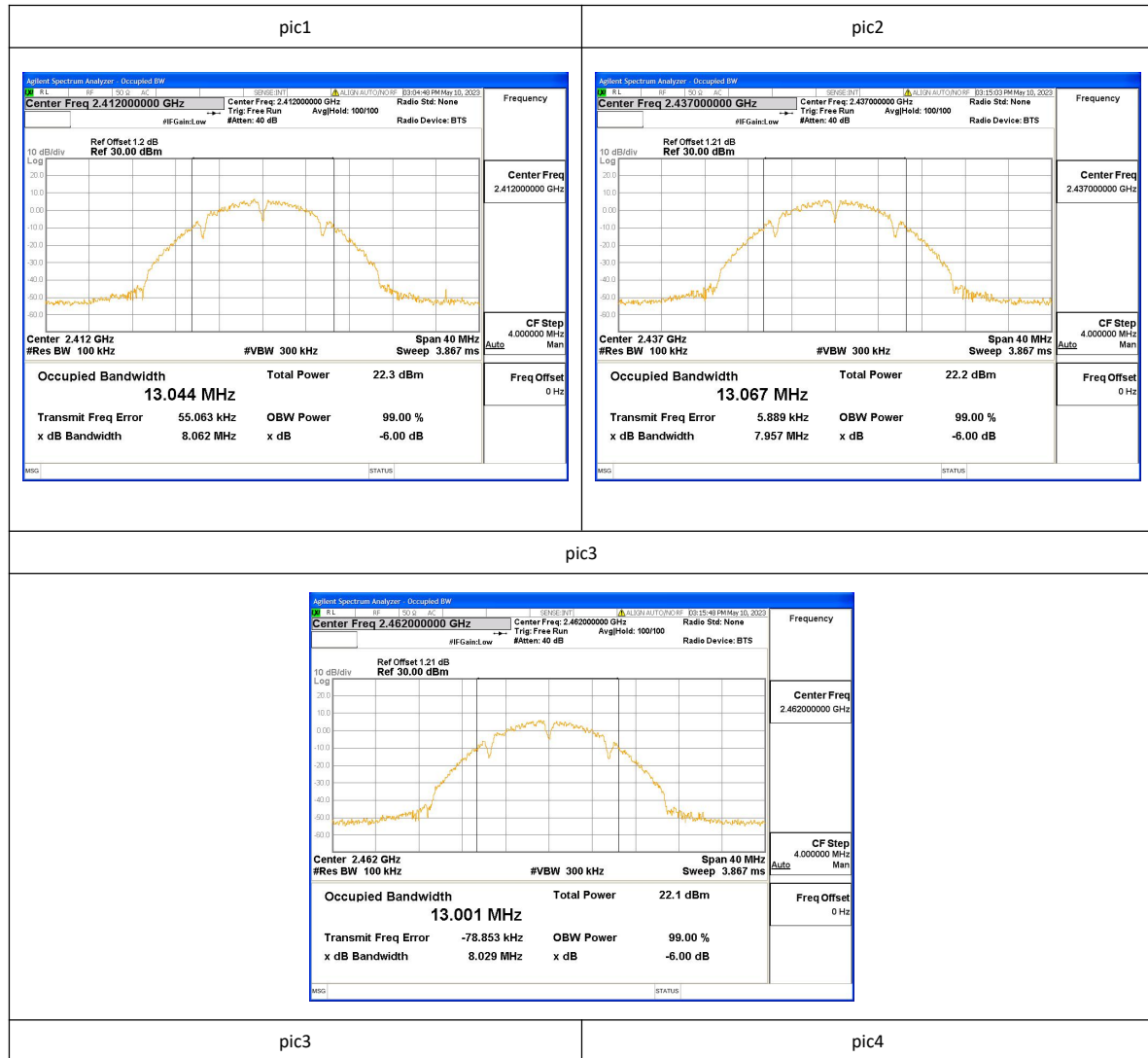
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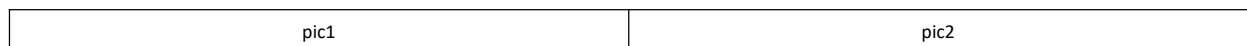
Test Picture as below:

Chain.0

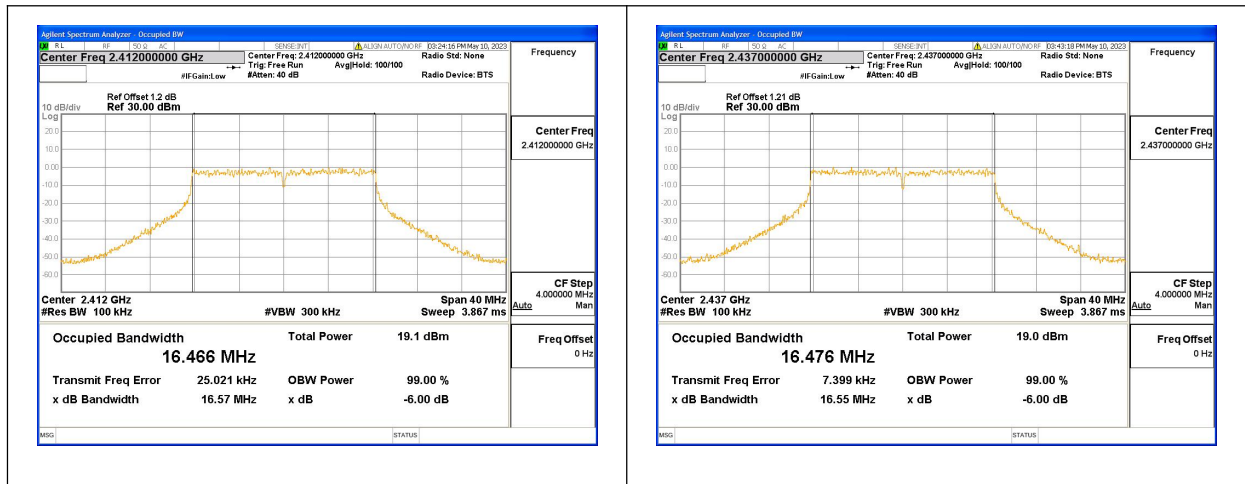
11b:



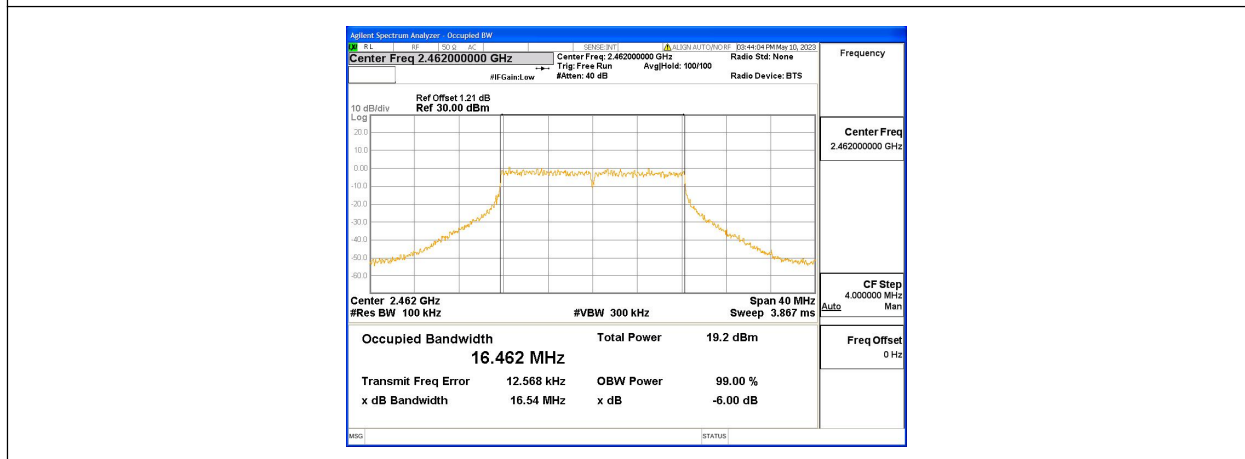
11g:



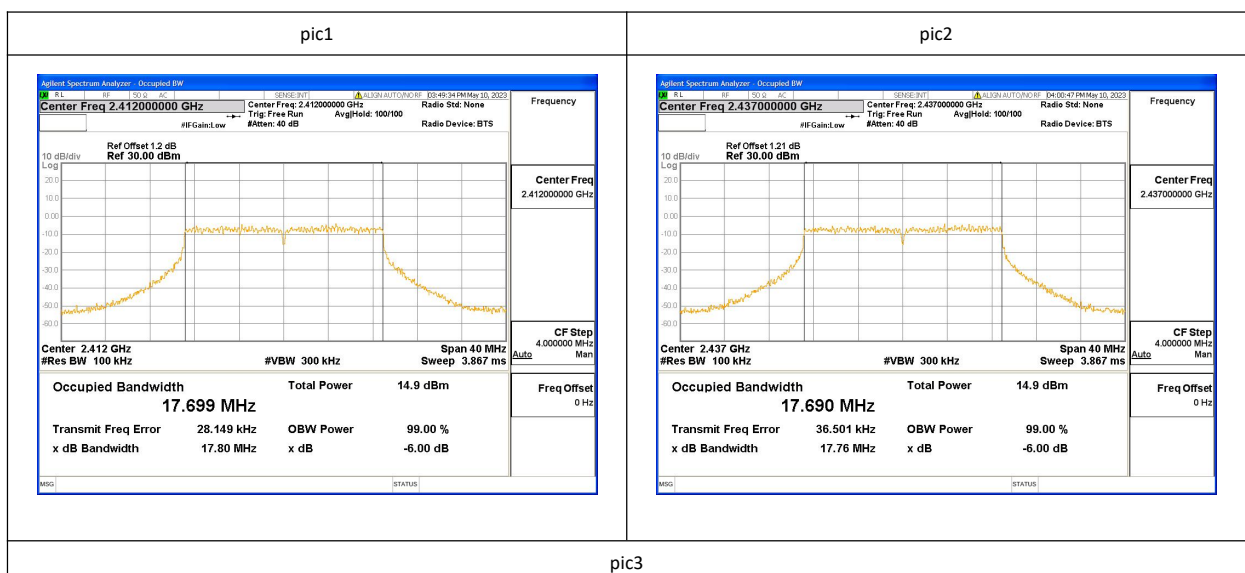
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pic3



11n-HT20:



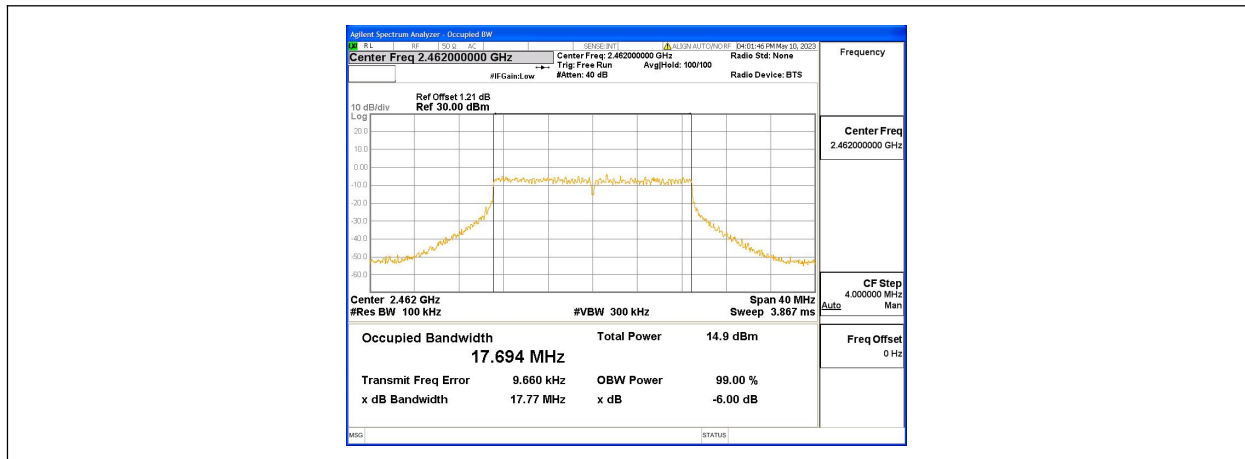
pic3

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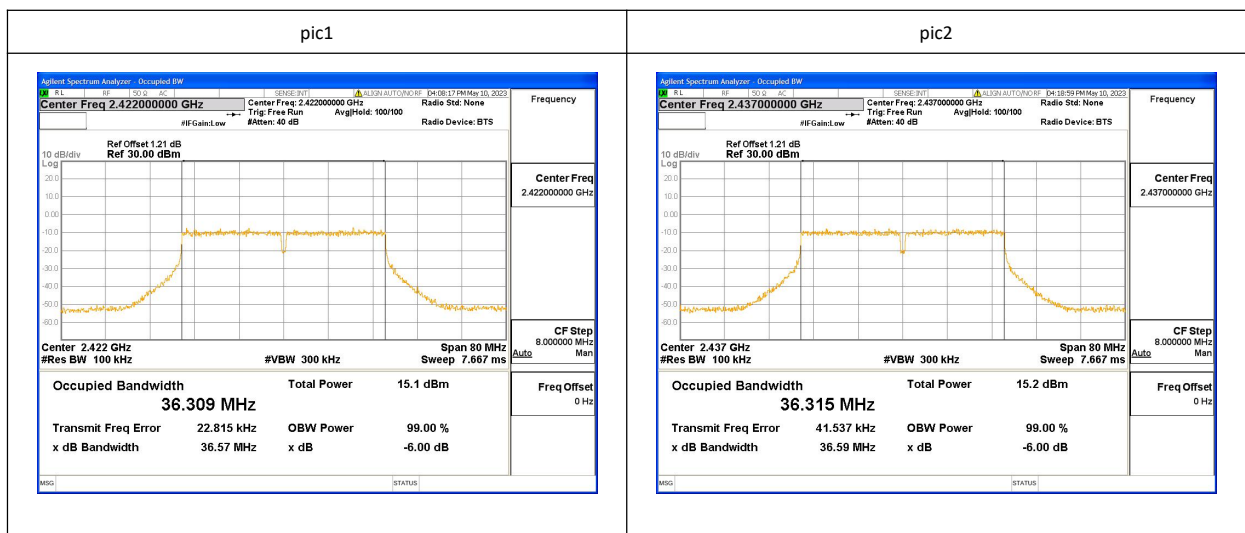
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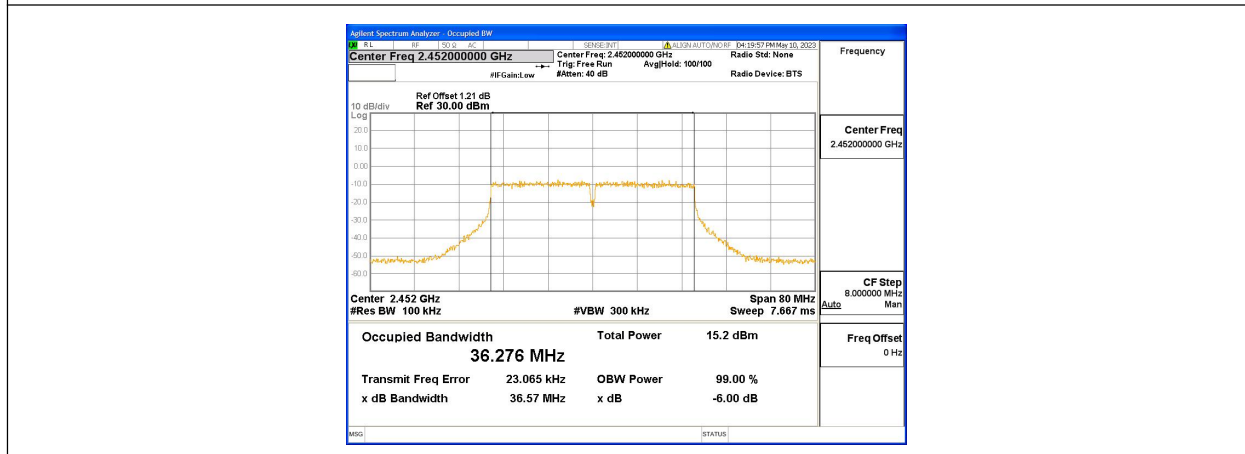
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11n-HT40:



pic3



11ax-HE20:

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