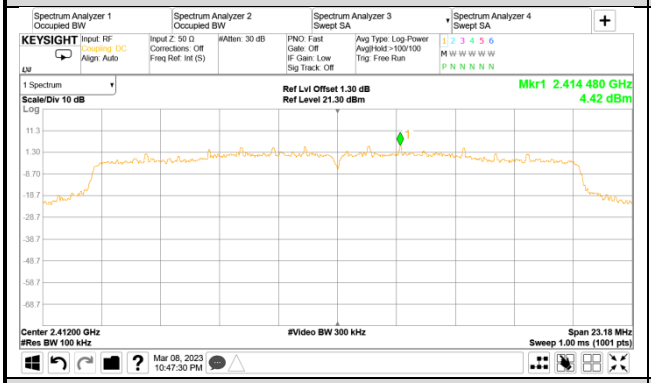
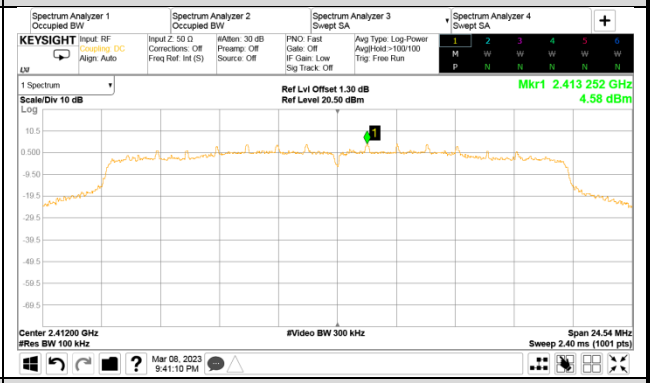
Audix Technology Corp.
No. 491, Zhongfu Rd., Linkou Dist.,
New Taipei City244, Taiwan

Tel: +886 2 26099301
Fax: +886 2 26099303

802.11ax-HE20	
TX 2412MHz	
AUX	Main
Reference Level	Reference Level
	
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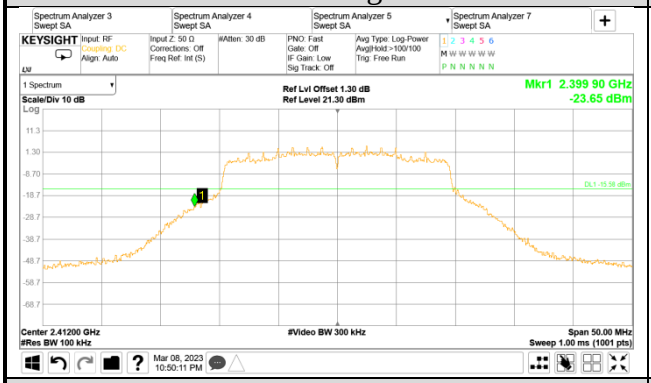	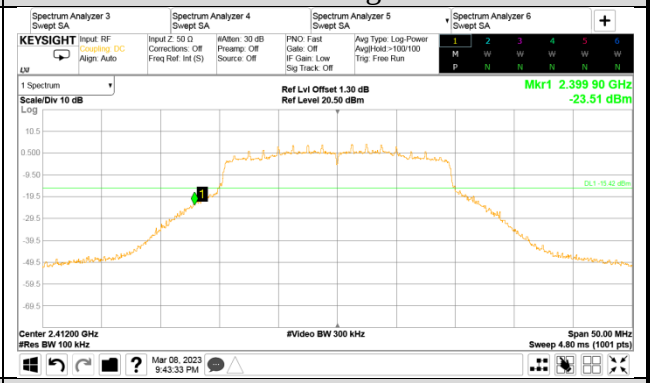
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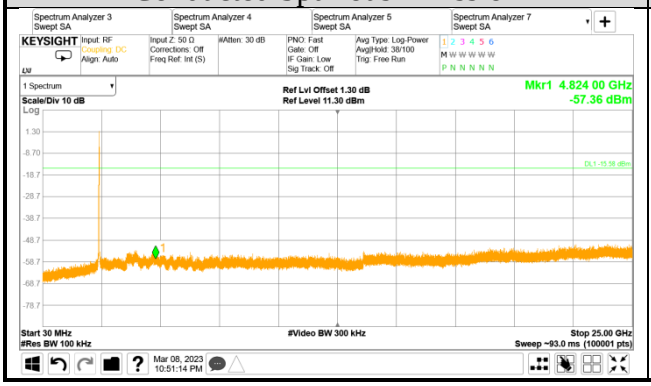	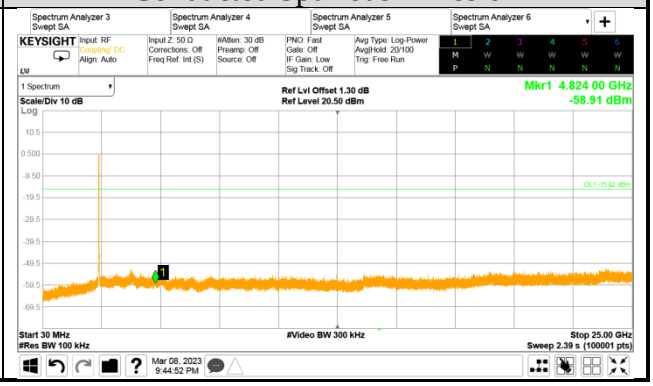

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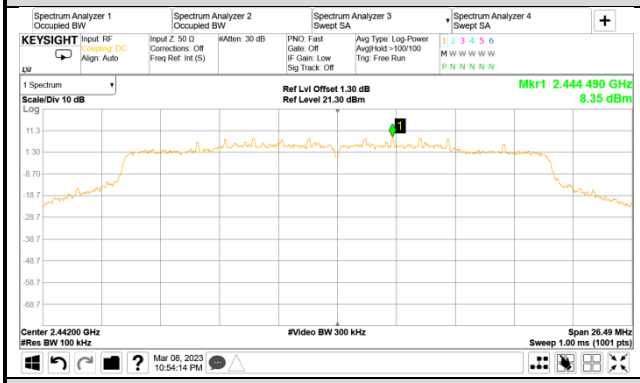
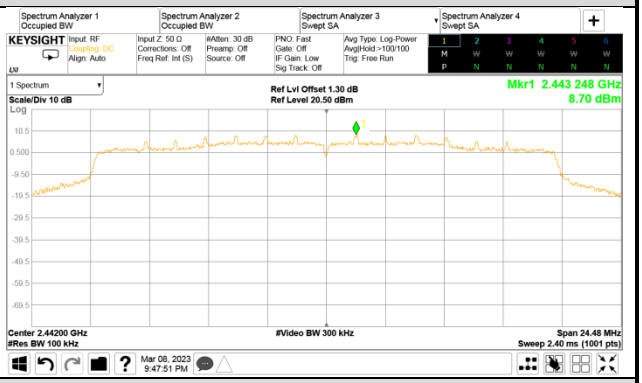
802.11ax-HE20	
TX 2442MHz	
AUX	Main
Reference Level	Reference Level
	
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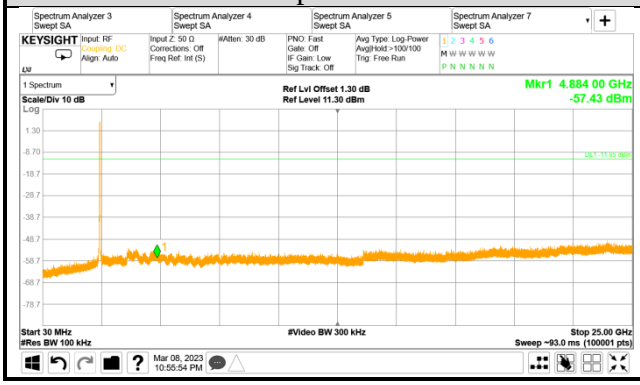	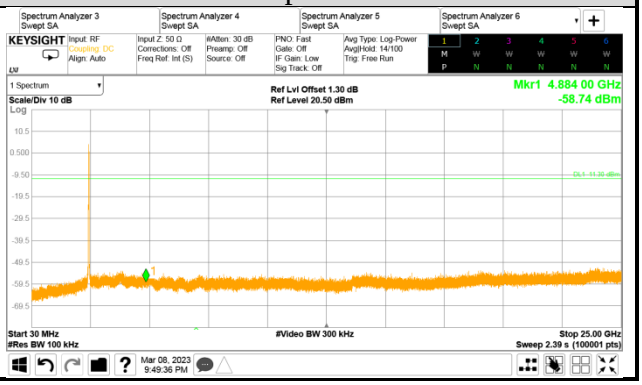

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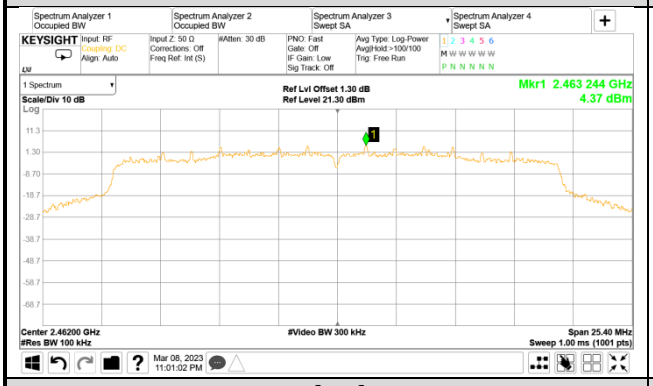
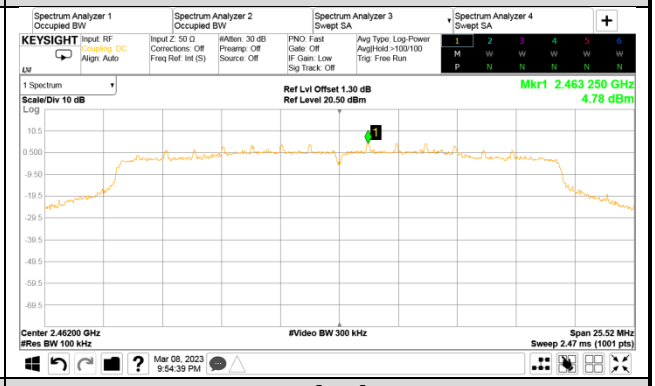
Fax: +886 2 26099303

802.11ax-HE20	
TX 2462MHz	
AUX	Main
Reference Level	Reference Level
	
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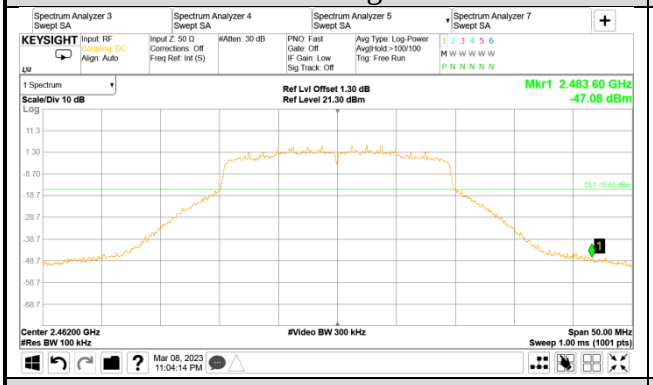	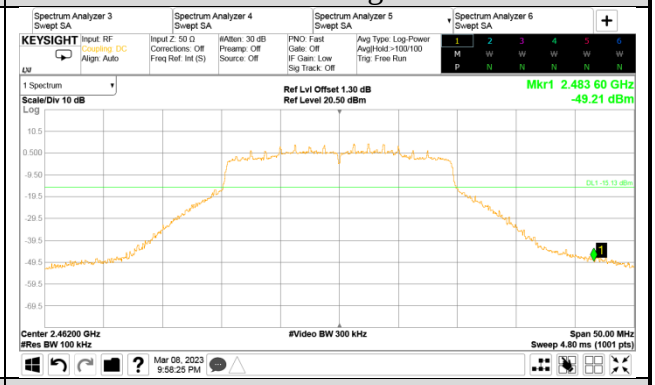
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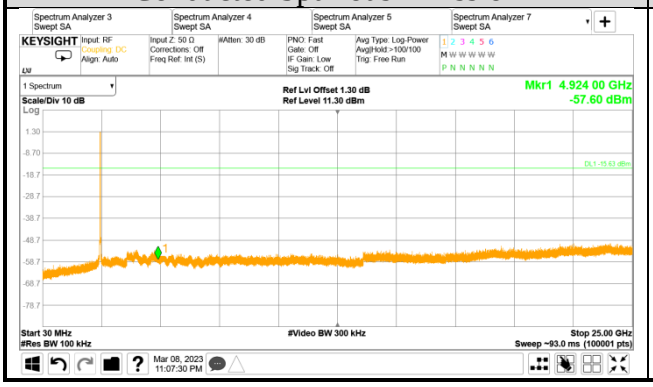	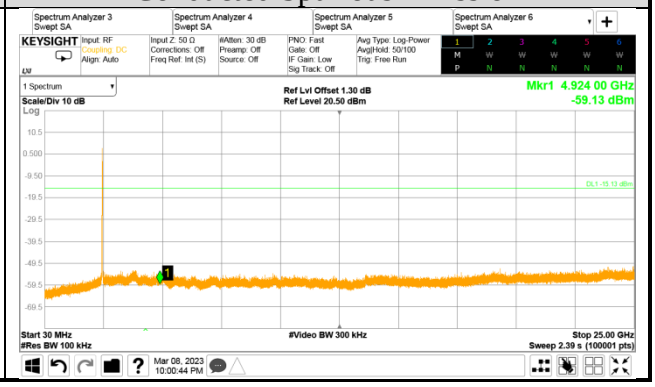

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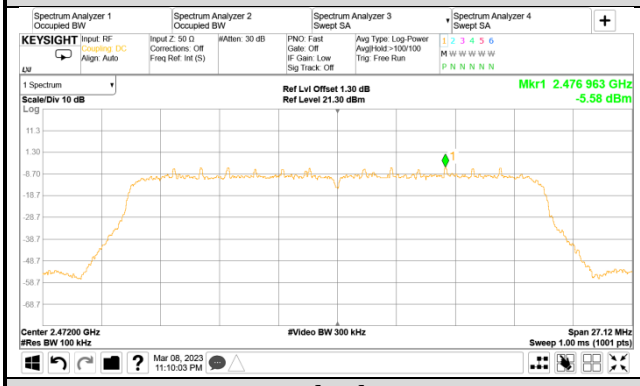
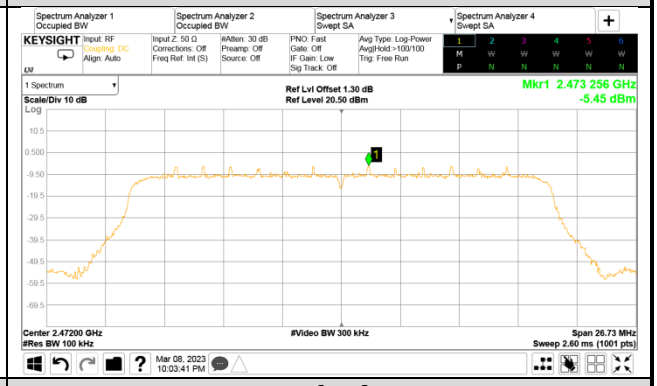
802.11ax-HE20	
TX 2472MHz	
AUX	Main
Reference Level	Reference Level
	
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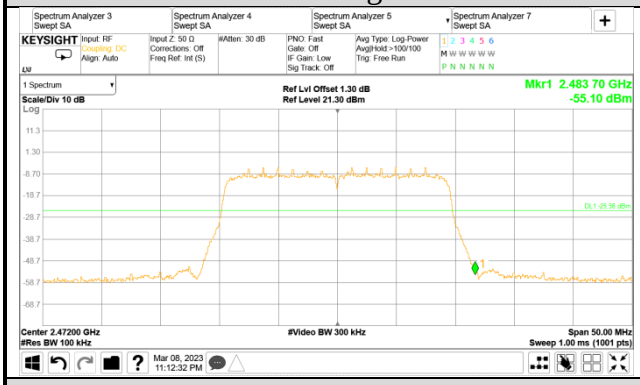	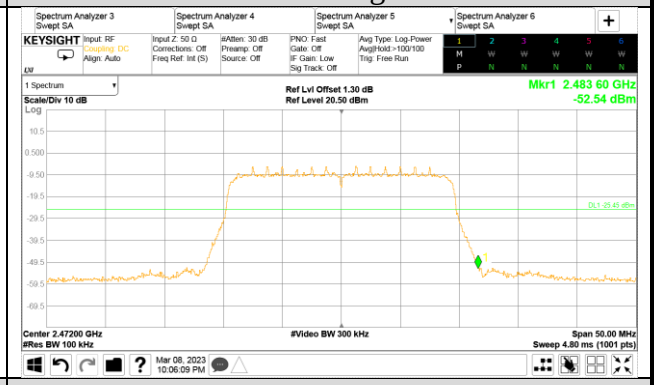
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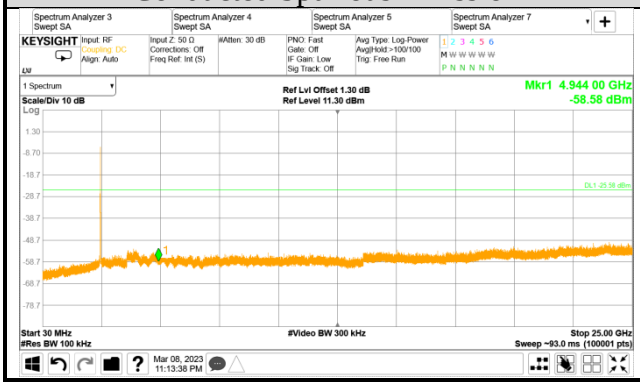	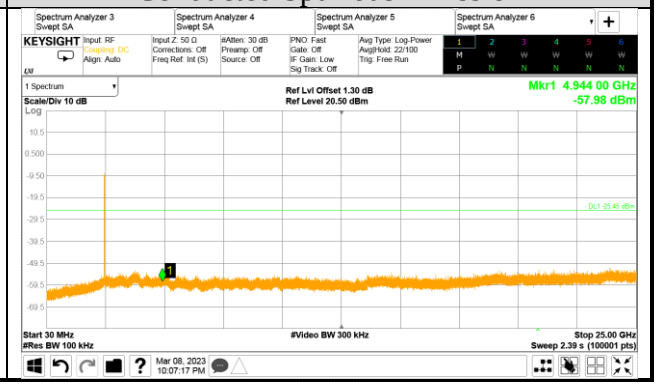

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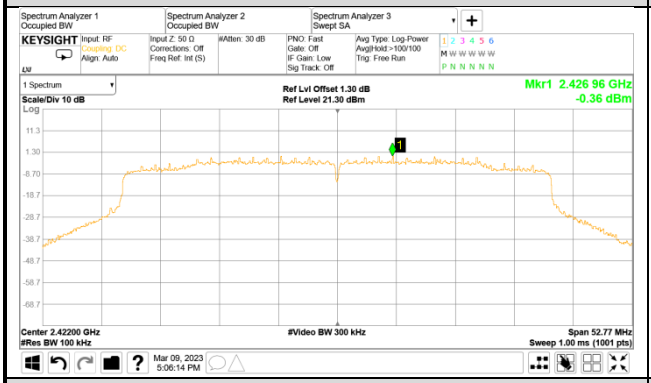
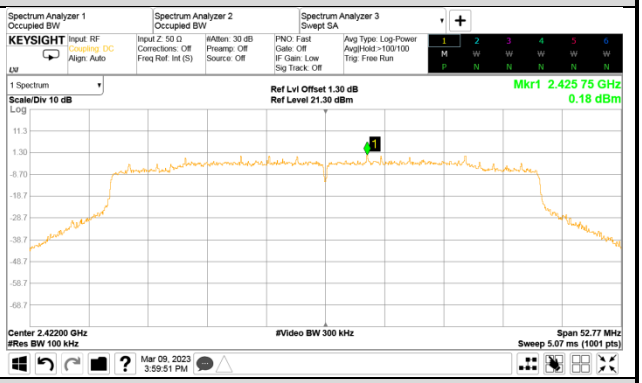
802.11ax-HE40	
TX 2422MHz	
AUX	Main
Reference Level	Reference Level
	
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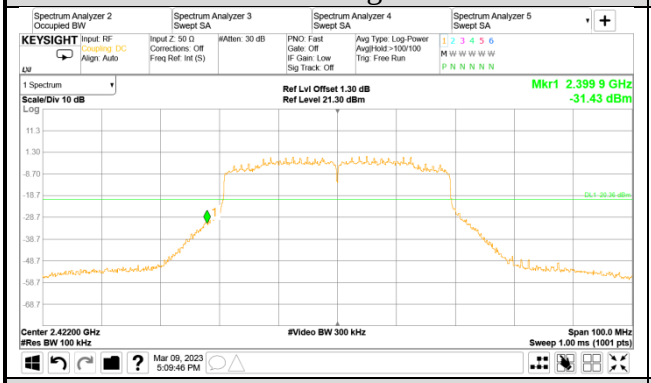	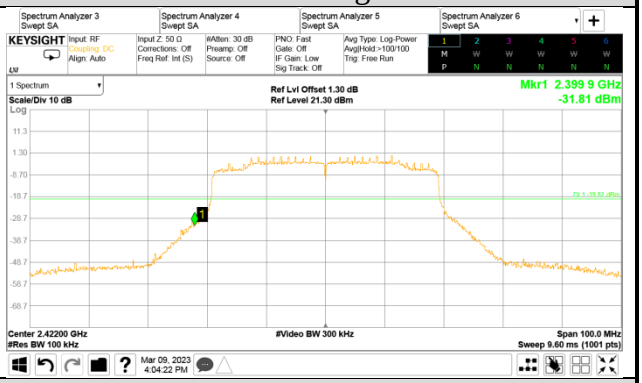
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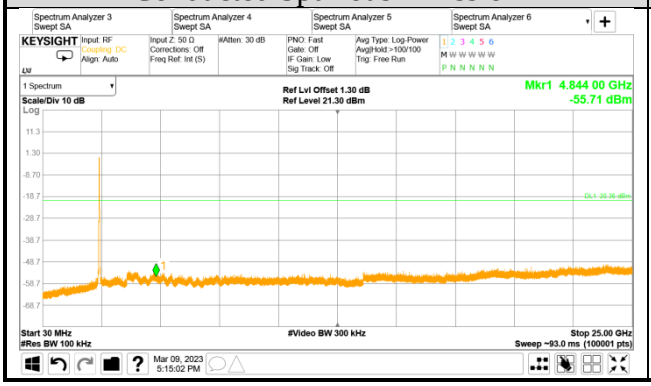	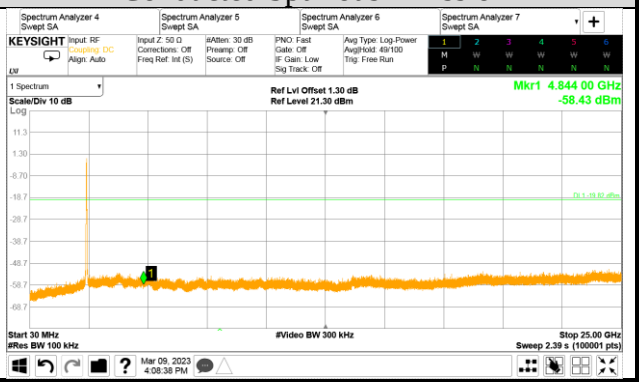

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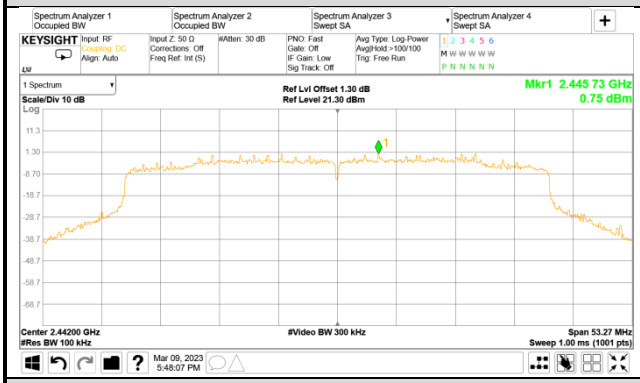
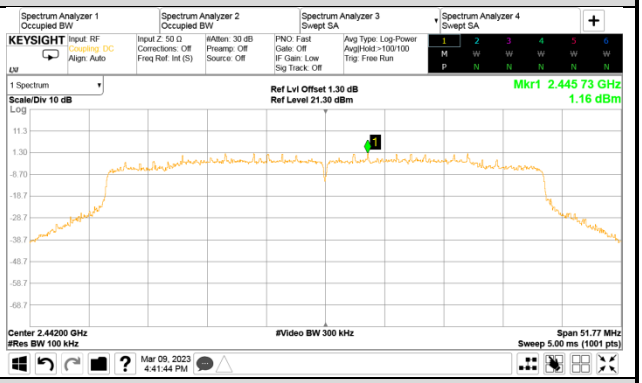
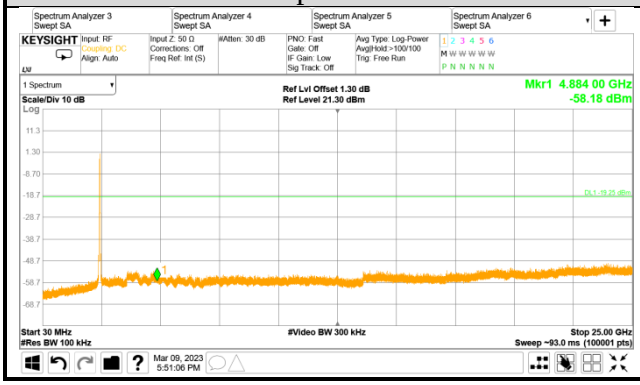
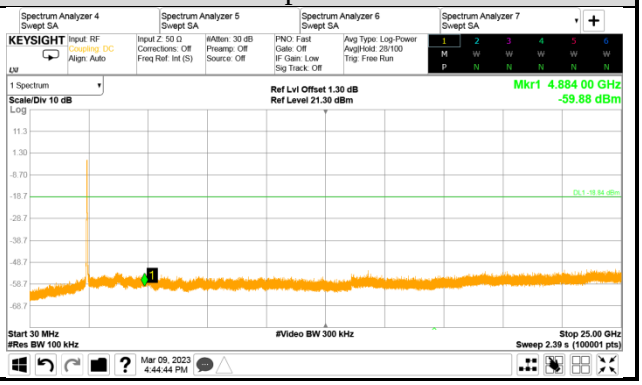
Tel: +886 2 26099301
Fax: +886 2 26099303

802.11ax-HE40	
TX 2442MHz	
AUX	Main
Reference Level	Reference Level
	
Conducted Spurious Emission	Conducted Spurious Emission
	

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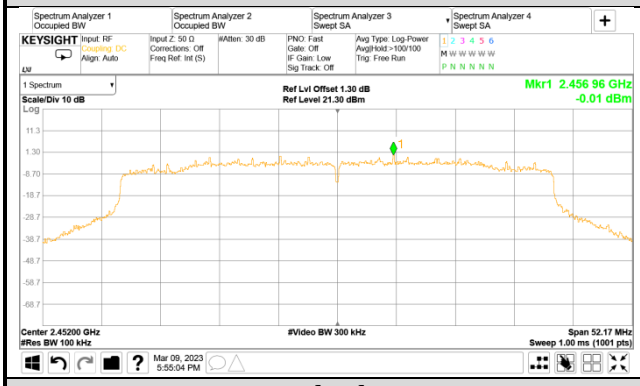
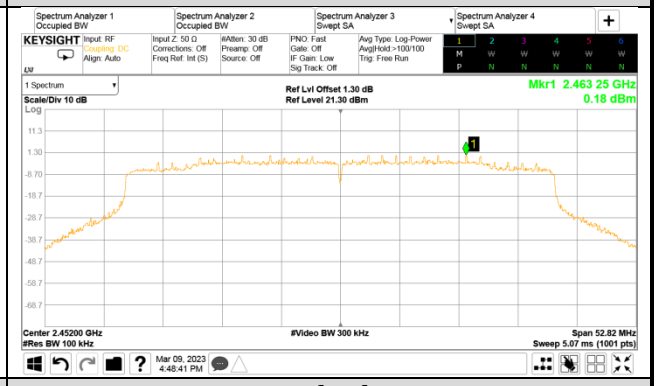
802.11ax-HE40	
TX 2452MHz	
AUX	Main
Reference Level	Reference Level
	
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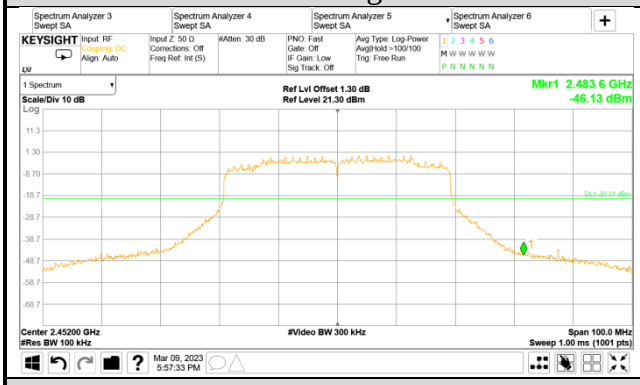
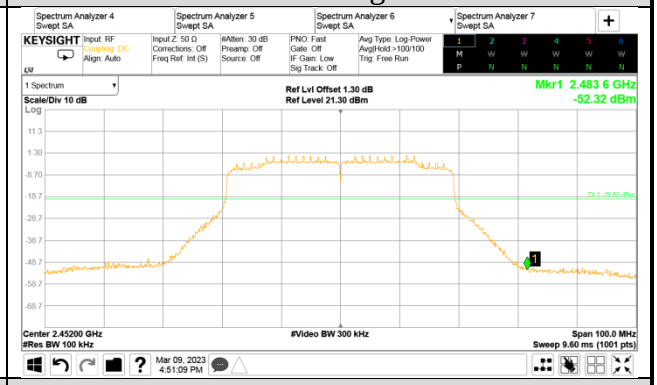
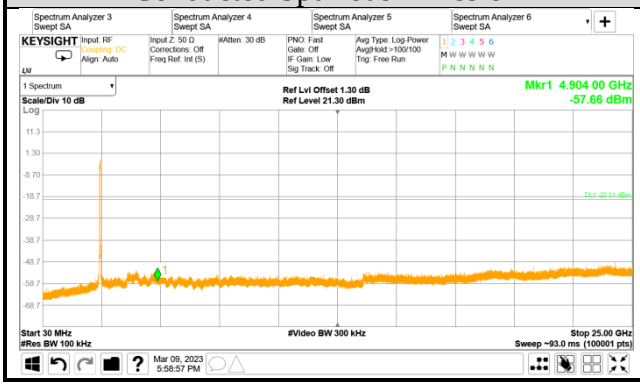
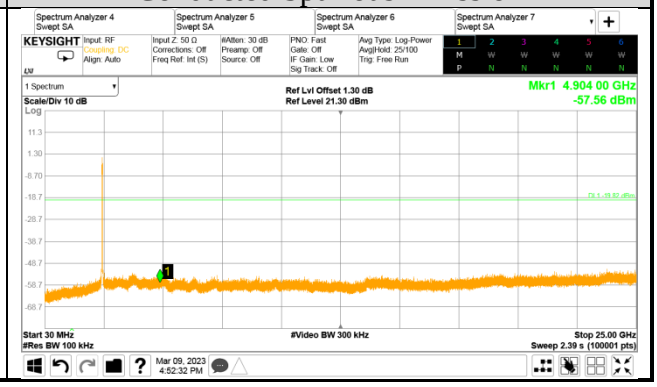
	
Conducted Spurious Emission	Conducted Spurious Emission
	

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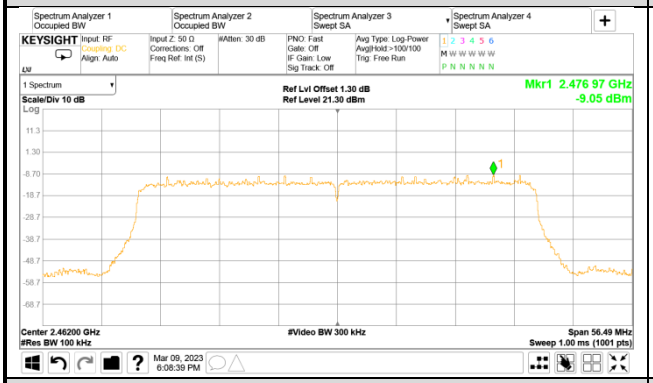
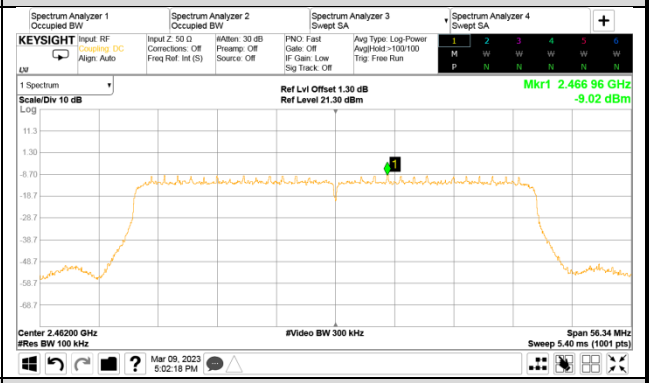
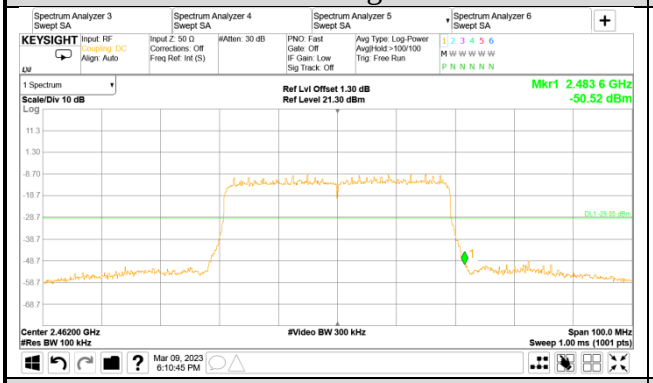
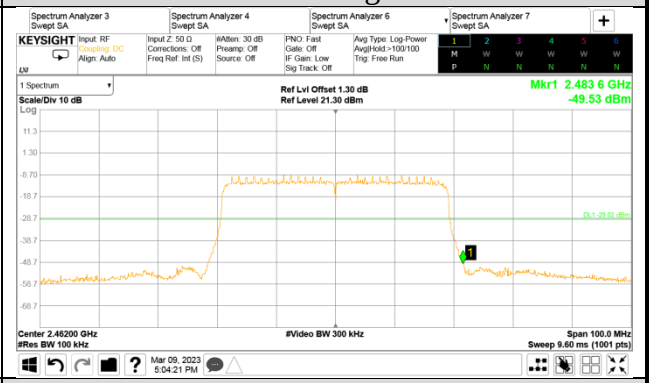
802.11ax-HE40	
TX 2462MHz	
AUX	Main
Reference Level	Reference Level
	
Band Edge	Band Edge
	
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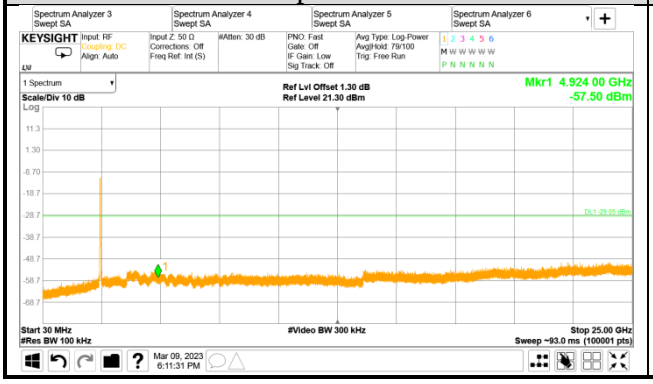	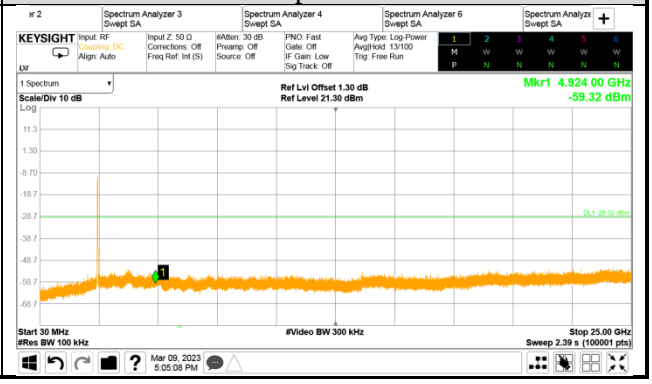

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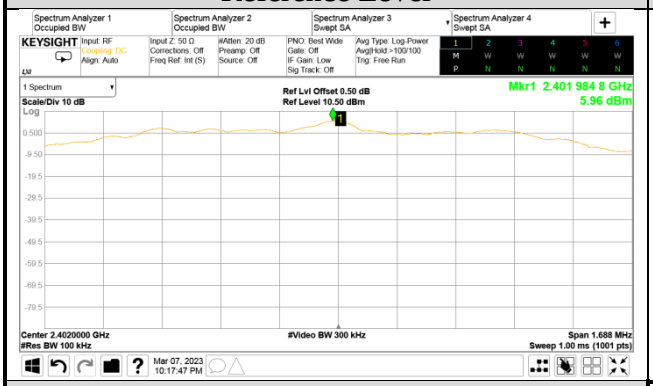
BLE

TX 2402MHz

Reference Level



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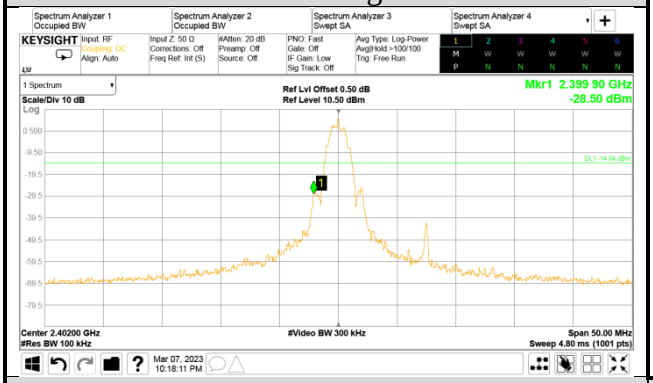

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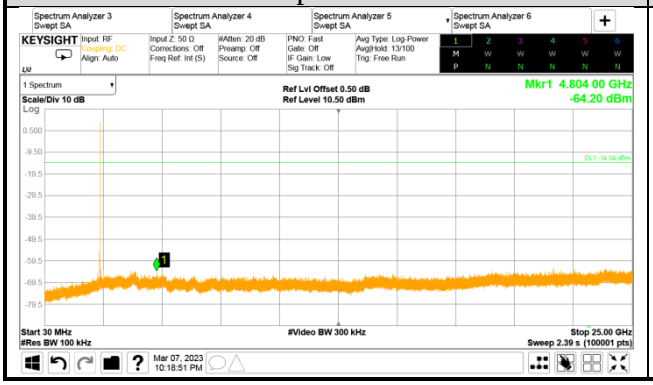
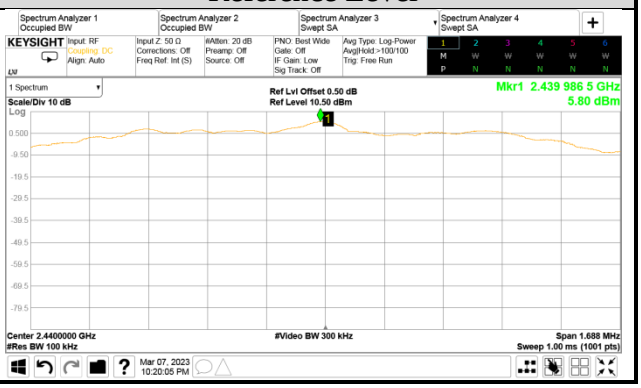


TX 2440MHz

Reference Level



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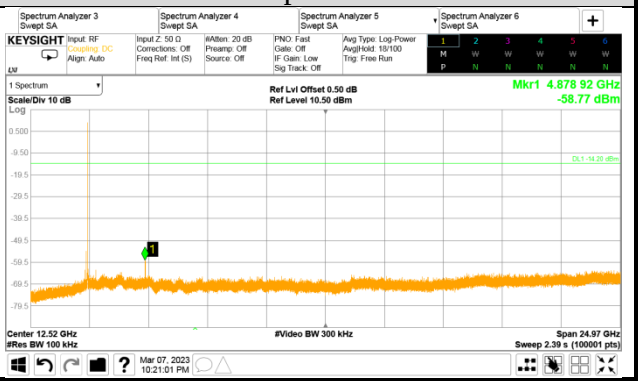

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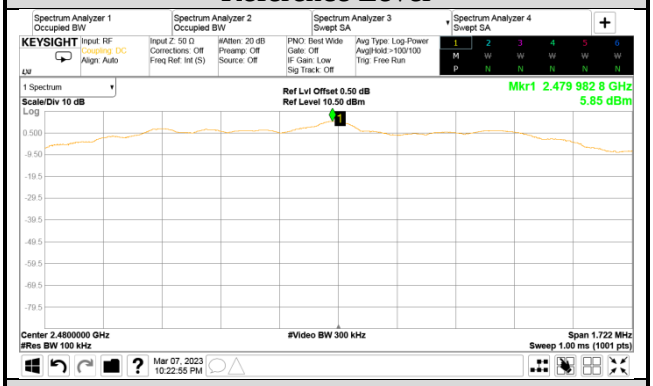
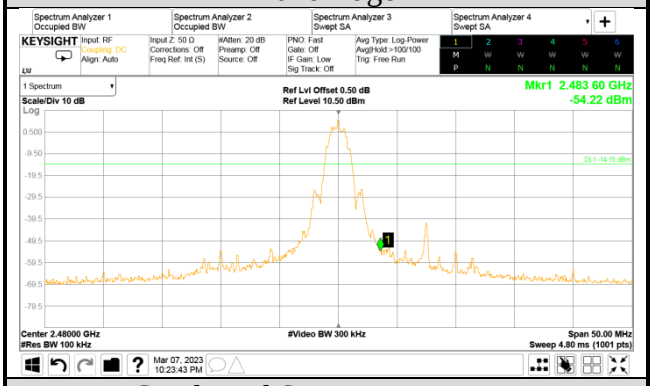
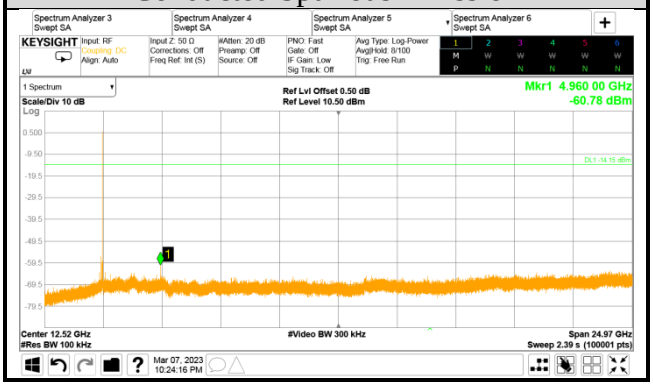
BLE
TX 2480MHz
Reference Level



Band Edge



Conducted Spurious Emission



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A.6 POWER SPECTRAL DENSITY

Test Date	2023/03/07 ~ 11	Temp./Hum.	22 ~ 24°C/42 ~ 49%
Cable Loss	WiFi: 1.30dB, BLE: 0.50dB	Tested By	Sam Chang
Test Voltage	AC 120V, 60Hz (via AC Adapter)		

A.6.1 Power Spectral Density Result

Mode	Centre Frequency (MHz)	Power Spectral Density (dBm)		MAX. Power Spectral Density (dBm) Note 2	Limit
		AUX	Main		
802.11b	2412	-3.800	-3.120	-3.120	<8 dBm/3kHz
	2442	-3.610	-3.050	-3.050	
	2462	-3.580	-4.130	-3.580	
	2472	-8.340	-9.380	-8.340	
802.11g	2412	-6.510	-8.820	-6.510	
	2442	-4.930	-6.590	-4.930	
	2462	-7.070	-7.430	-7.070	
	2472	-13.300	-14.470	-13.300	

Note: 1. All results have been included cable loss.
2. MAX. Power Spectral Density (dBm) = Max of each Power Spectral Density (dBm).

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Mode	Centre Frequency (MHz)	Power Spectral Density (dBm)		Total Power Spectral Density (dBm) Note 2	Limit
		AUX	Main		
802.11n-HT20	2412	-8.170	-10.050	-5.999	<8 dBm/3kHz
	2442	-4.640	-5.880	-2.206	
	2462	-8.990	-10.260	-6.568	
	2472	-18.560	-20.020	-16.219	
802.11n-HT40	2422	-12.460	-13.870	-10.098	
	2442	-11.700	-12.760	-9.187	
	2452	-12.590	-13.660	-10.082	
	2462	-21.470	-23.520	-19.365	
802.11ax-HE20	2412	-9.490	-11.480	-7.362	
	2442	-5.870	-6.380	-3.107	
	2462	-9.340	-10.250	-6.761	
	2472	-20.200	-20.550	-17.361	
802.11ax-HE40	2422	-14.020	-14.790	-11.378	
	2442	-12.270	-13.650	-9.895	
	2452	-14.160	-14.980	-11.540	
	2462	-22.160	-23.020	-19.558	

Mode	RU Configuration	Centre Frequency (MHz)	Power Spectral Density (dBm)		Total Power Spectral Density (dBm) Note 2	Limit
			AUX	Main		
802.11ax-HE20	26/0	2412	2.030	0.520	4.351	<8 dBm/3kHz
	52/37		0.300	-1.270	2.596	
	106/53		-2.690	-4.260	-0.394	
	26/8	2472	-10.340	-11.390	-7.823	
	52/40		-11.290	-13.760	-9.341	
	106/54		-15.760	-16.360	-13.039	
802.11ax-HE40	242/61	2422	-9.030	-9.520	-6.258	
	242/62	2462	-18.760	-19.450	-16.081	

Note: 1. All results have been included cable loss.

2. According to KDB 662911 D01 E)2)a), Total Power Spectral Density (dBm) = Sum to individual Power Spectral Density (dBm).

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Mode	Centre Frequency (MHz)	Power Spectral Density (dBm)	Limit
BLE	2402	-12.19	<8 dBm/3kHz
	2440	-13.12	
	2480	-12.27	

Note: All results have been included cable loss.

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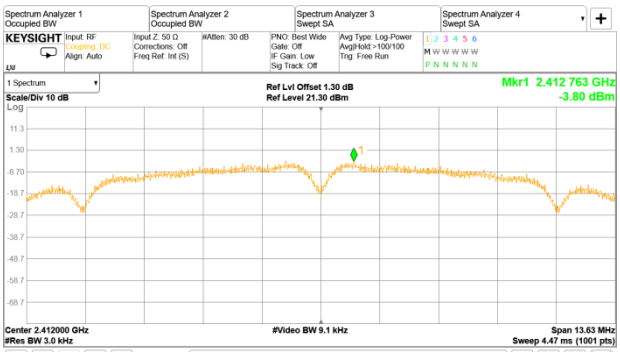
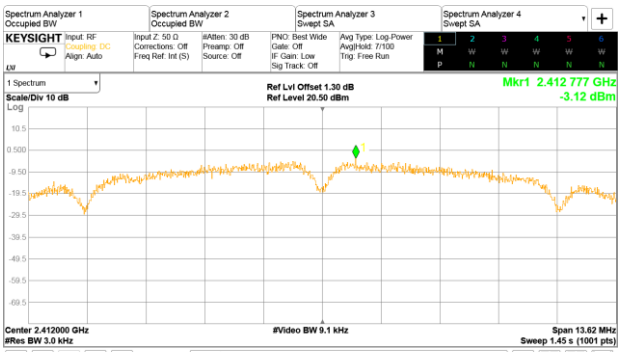
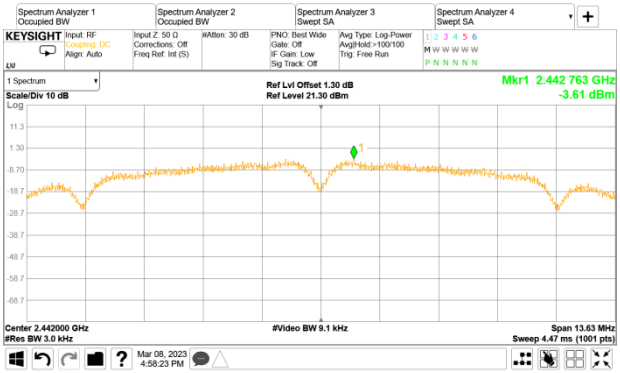
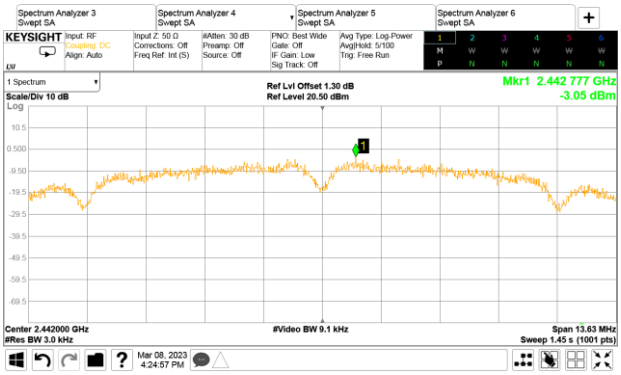
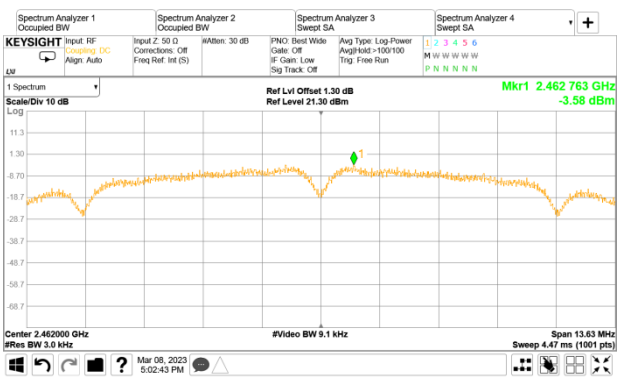
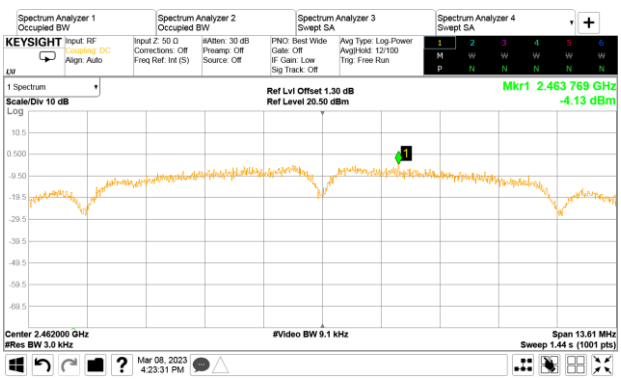
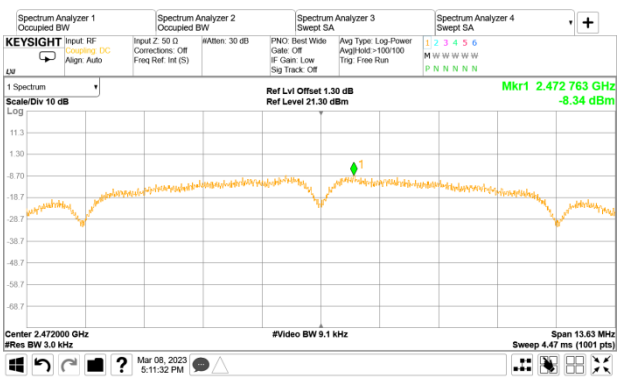
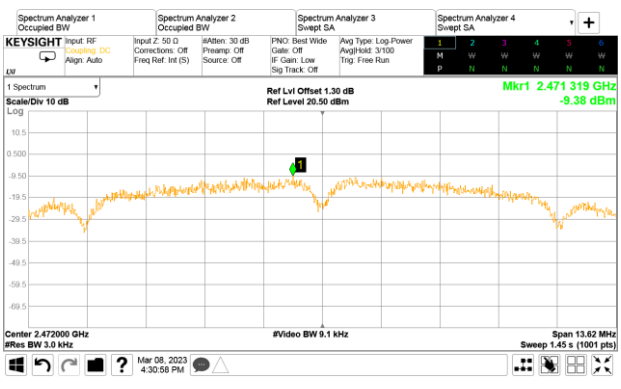
A.6.2 Measurement Plots

802.11b	
AUX	Main
	
	
	
	

Note: All results have been included cable loss.

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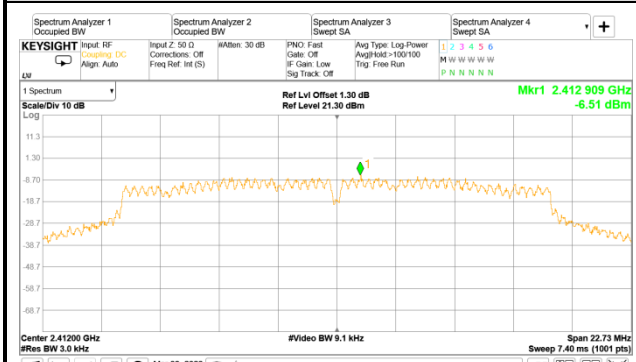
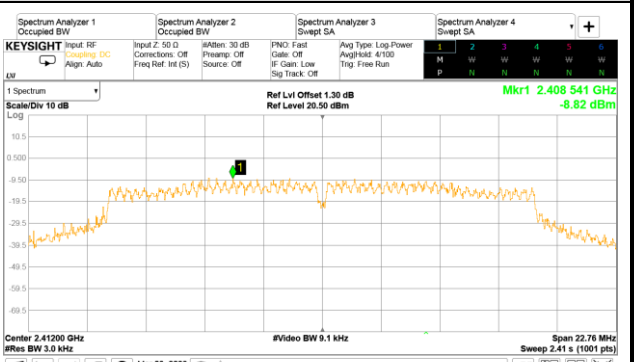
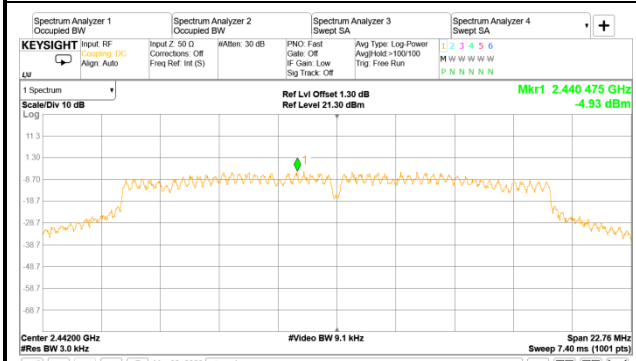
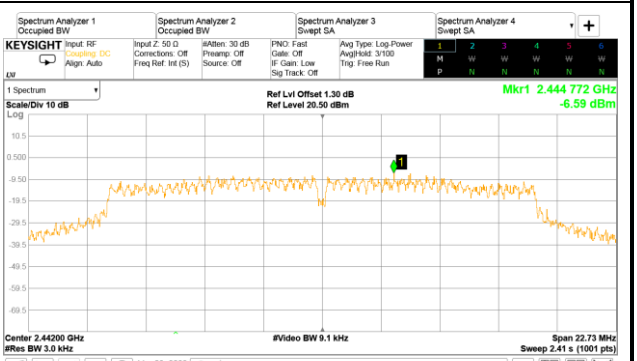
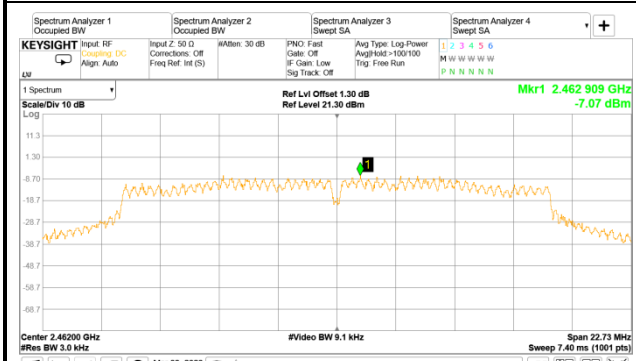
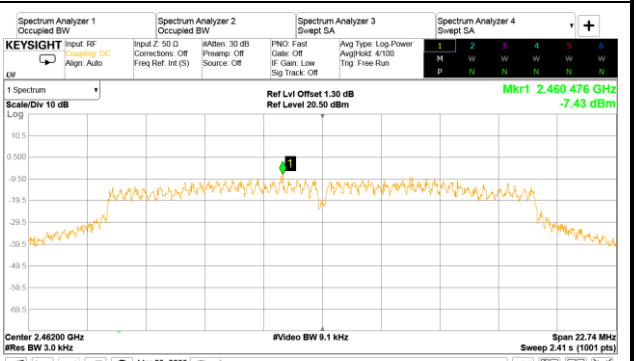
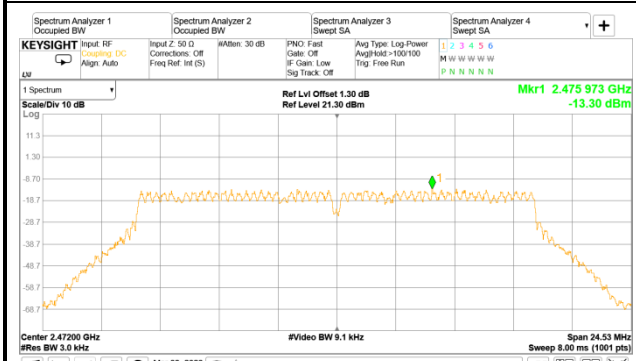
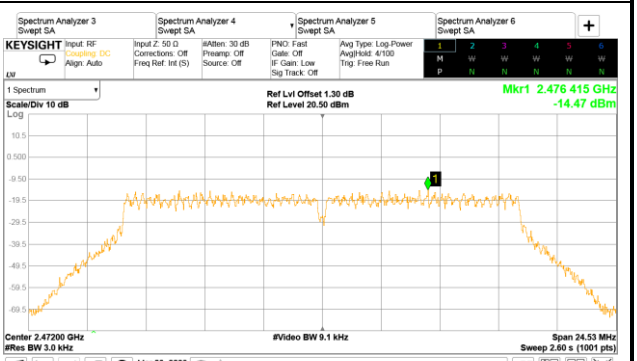
802.11g	
AUX	Main
	
	
	
	

Note: All results have been included cable loss.

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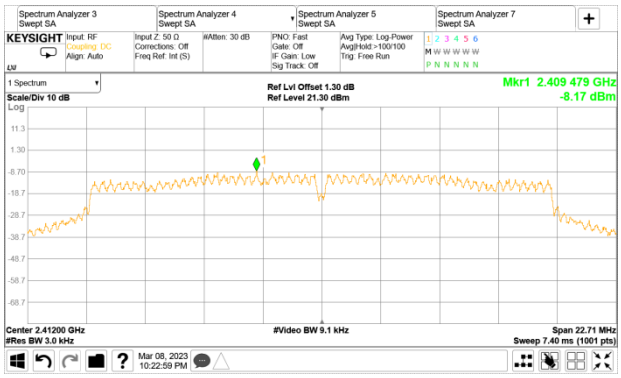
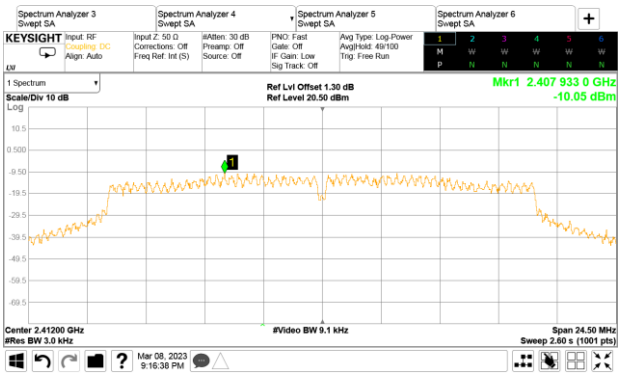
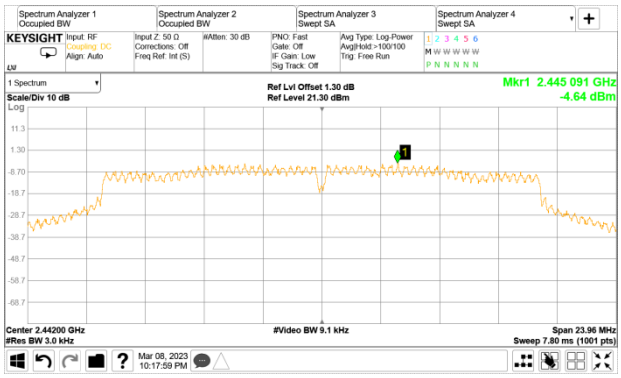
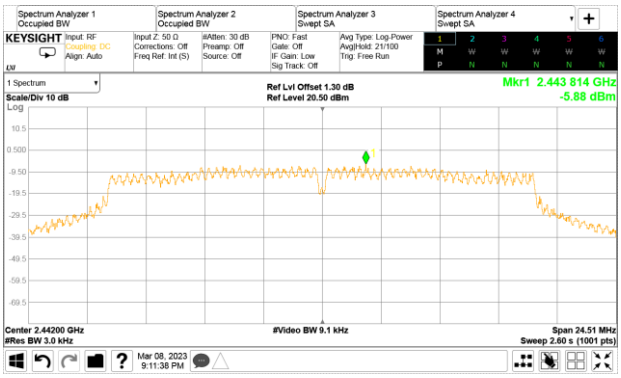
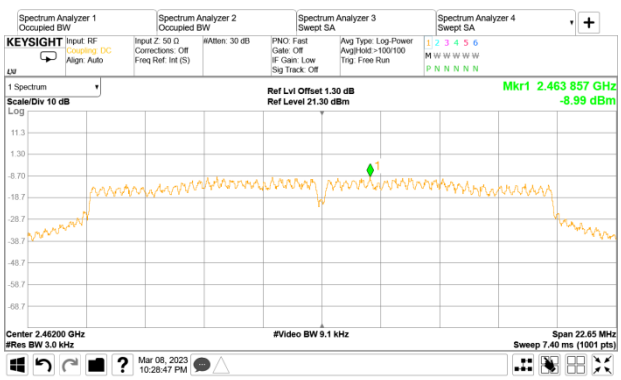
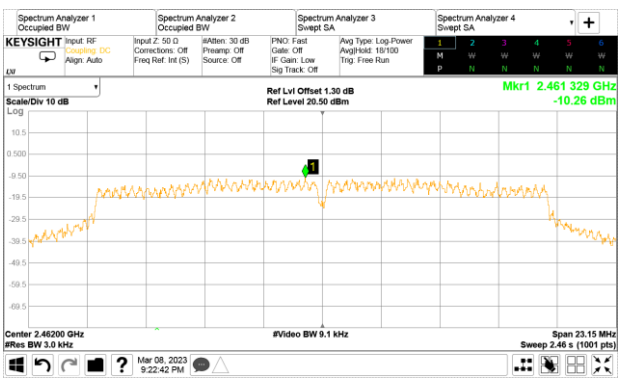
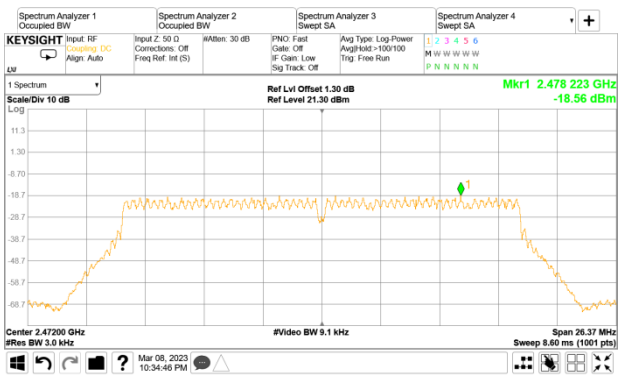
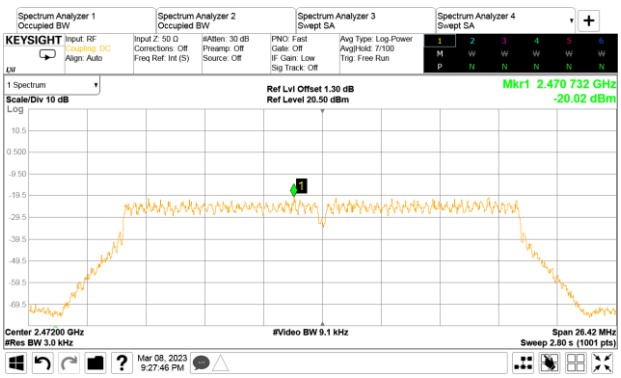
802.11n-HT20	
AUX	Main
	
	
	
	

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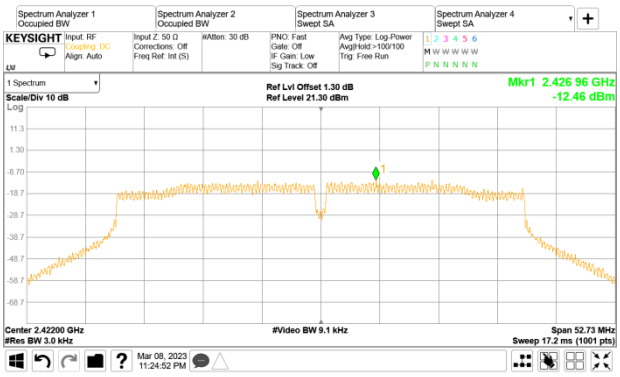
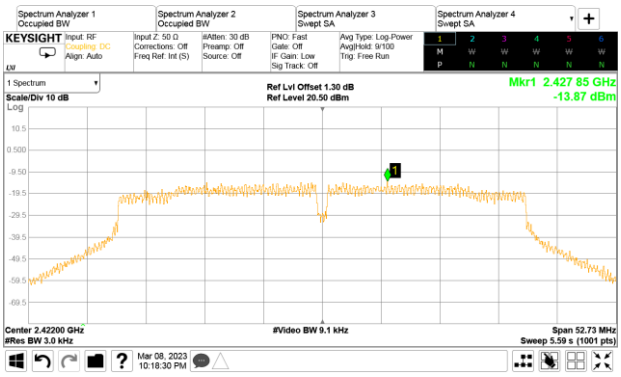
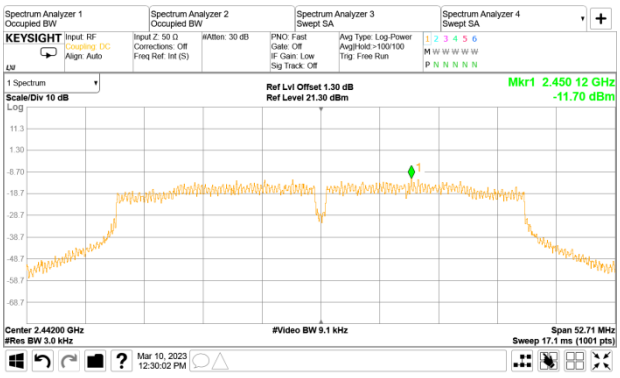
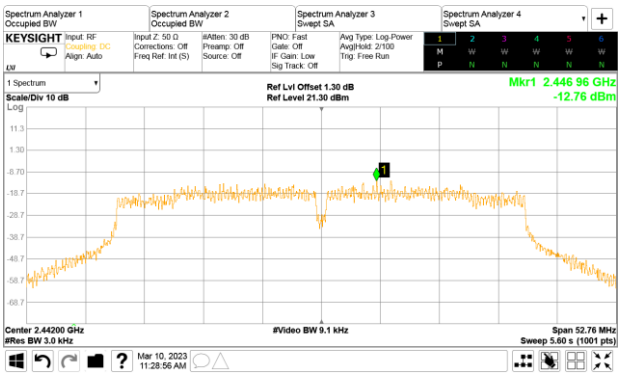
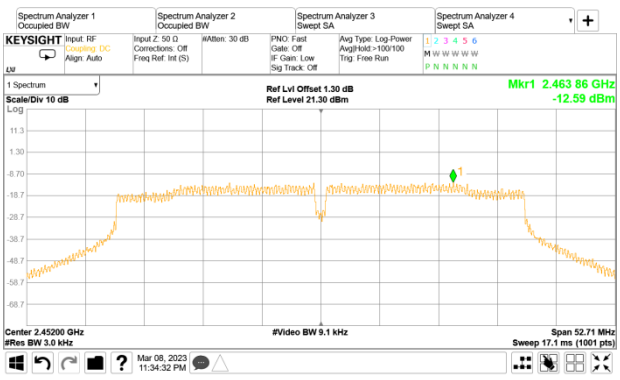
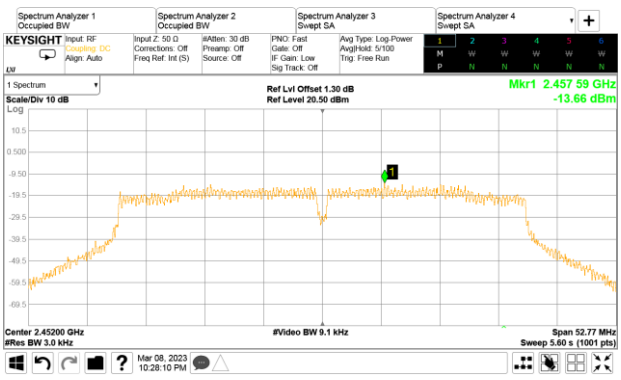
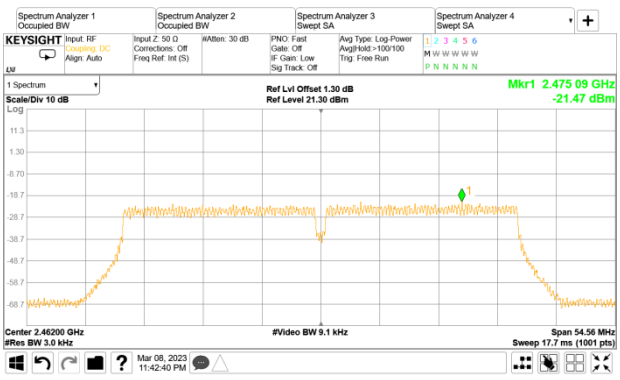
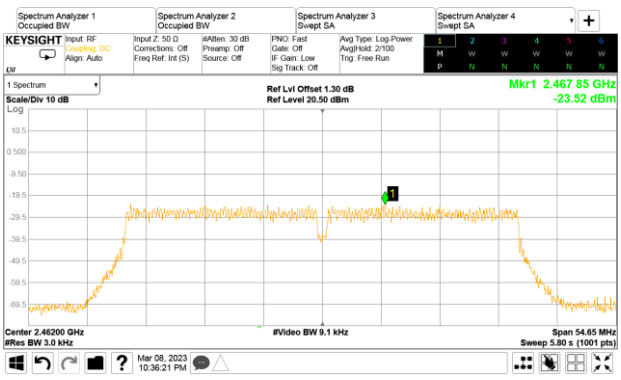
802.11n-HT40	
AUX	Main
	
	
	
	

Note: All results have been included cable loss.

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