Audix Technology Corp.
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A.6 POWER SPECTRAL DENSITY

Test Date	2022/07/18	Temp./Hum.	26°C/48%
Cable Loss	0.50dB	Tested By	Kuper Hsu
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	-2.360	-2.180	-2.180	<8 dBm/3kHz
	2442	-2.220	-2.230	-2.220	
	2462	-2.380	-2.260	-2.260	
	2472	-5.720	-6.590	-5.720	
802.11g	2412	-6.750	-6.100	-6.100	
	2442	-2.860	-3.840	-2.860	
	2462	-6.670	-5.520	-5.520	
	2472	-12.290	-13.040	-12.290	

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	-7.500	-8.080	-4.770	<8 dBm/3kHz
	2442	-2.710	-3.090	0.114	
	2462	-7.980	-8.130	-5.044	
	2472	-16.150	-16.170	-13.150	
802.11n-HT40	2422	-12.920	-11.160	-8.941	
	2442	-11.130	-10.880	-7.993	
	2452	-12.590	-12.150	-9.354	
	2462	-18.640	-17.870	-15.228	
802.11ax-HE20	2412	-9.420	-8.620	-5.991	
	2442	-4.560	-4.420	-1.479	
	2462	-9.120	-8.940	-6.019	
	2472	-18.020	-17.560	-14.774	
802.11ax-HE40	2422	-12.900	-13.250	-10.061	
	2442	-12.820	-12.110	-9.440	
	2452	-13.120	-12.540	-9.810	
	2462	-19.770	-18.800	-16.248	

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	1.620	1.740	4.691	<8 dBm/3kHz
	52/37		0.480	-0.610	2.979	
	106/53		-2.980	-3.310	-0.132	
	26/8	2472	-10.250	-10.680	-7.449	
	52/40		-12.170	-12.200	-9.175	
	106/54		-14.600	-14.720	-11.649	
802.11ax-HE40	242/61	2422	-8.680	-8.530	-5.594	
	242/62	2462	-16.870	-16.860	-13.855	

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 (1Mpbs)	2402	-10.78	<8 dBm/3kHz
	2440	-10.57	
	2480	-10.44	

Note: All results have been included cable loss.

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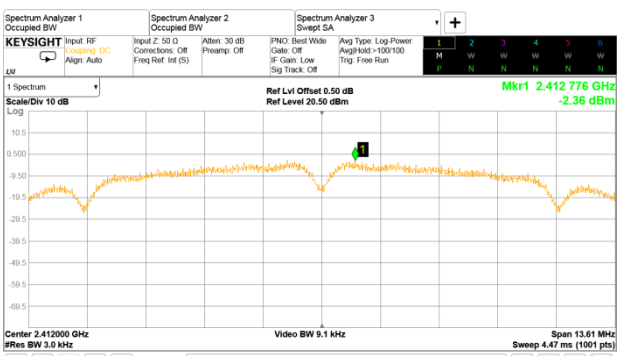
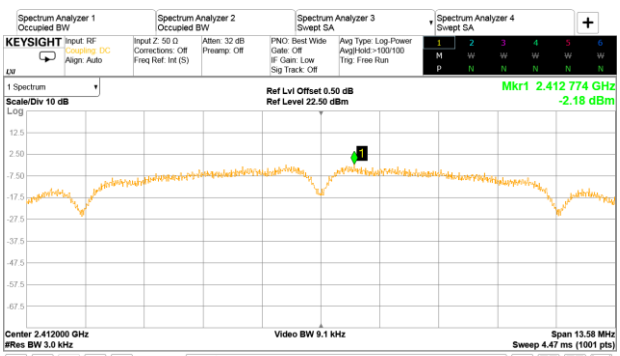
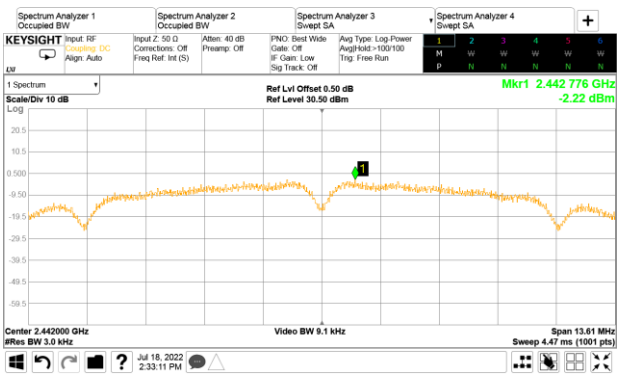
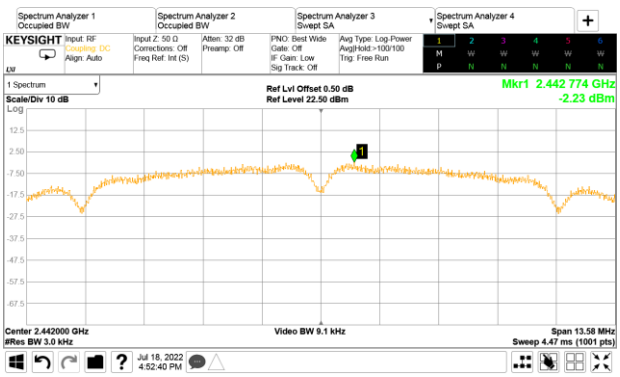
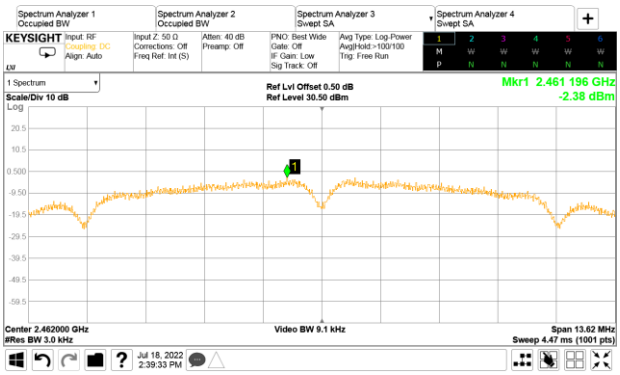
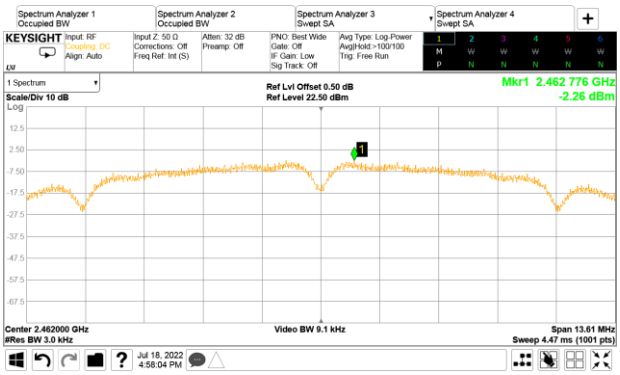
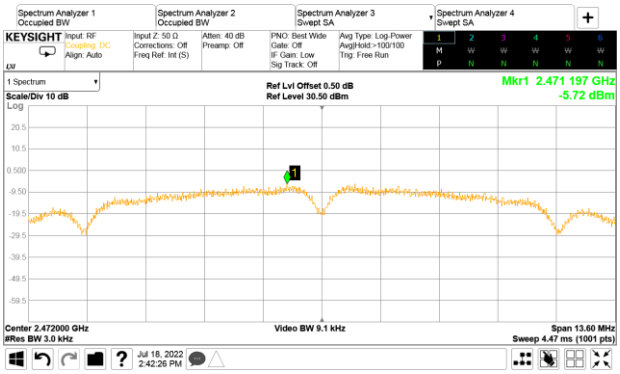
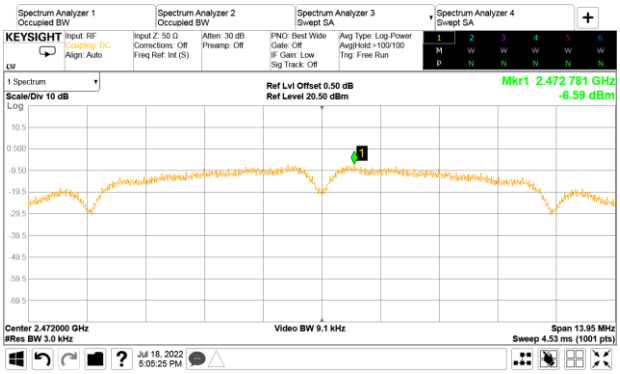
A.6.2 Measurement Plots

802.11b	
AUX	Main
	
	
	
	

Note: All results have been included cable loss.

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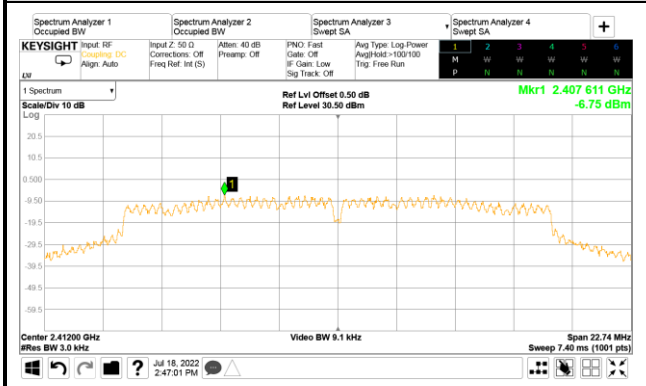
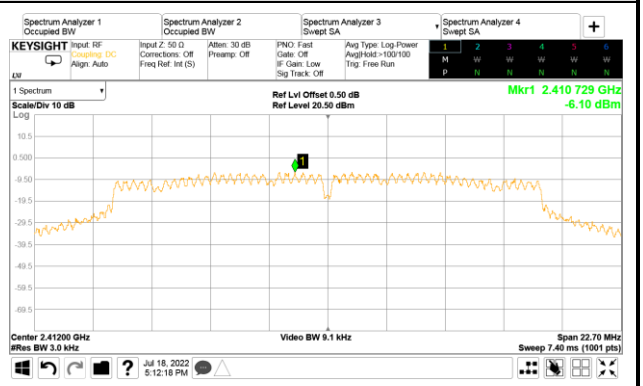
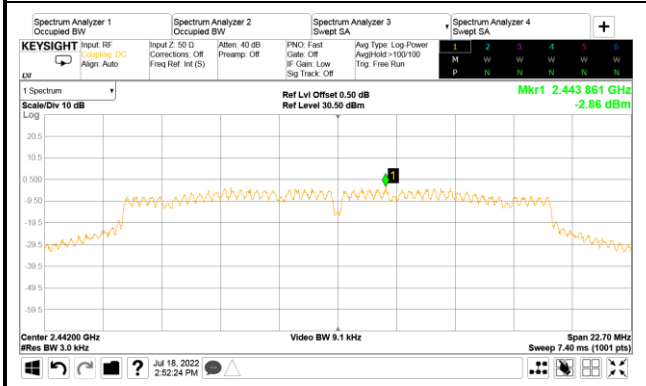
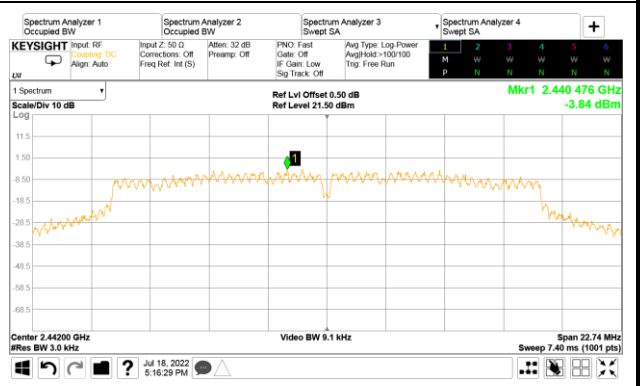
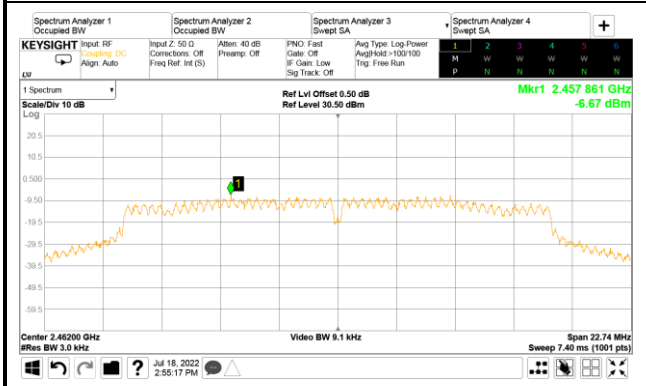
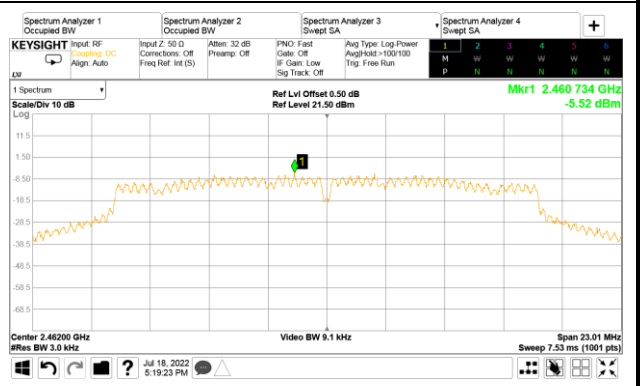
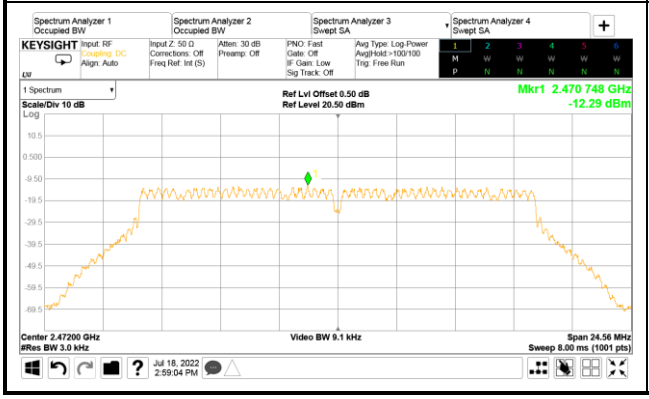
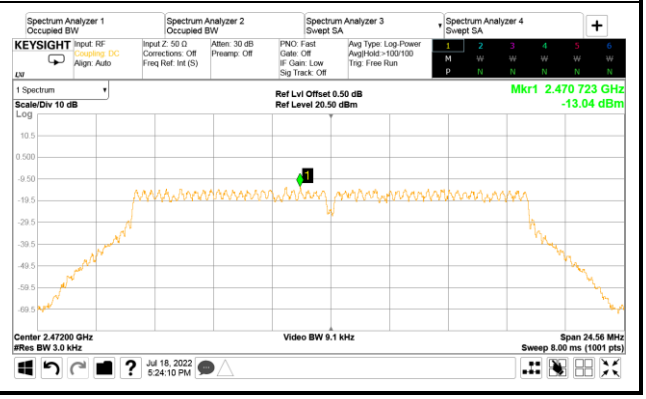
802.11g	
AUX	Main
	
	
	
	

Note: All results have been included cable loss.

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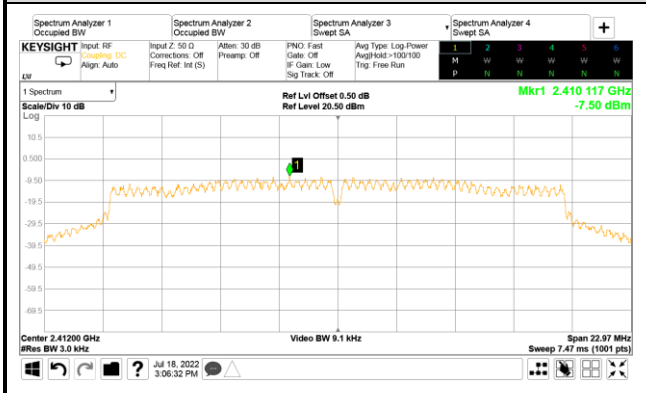
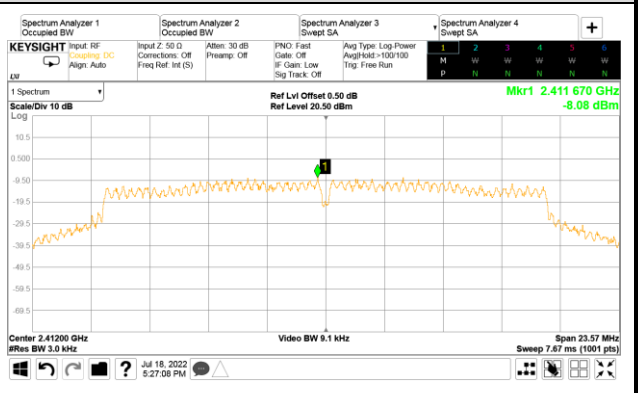
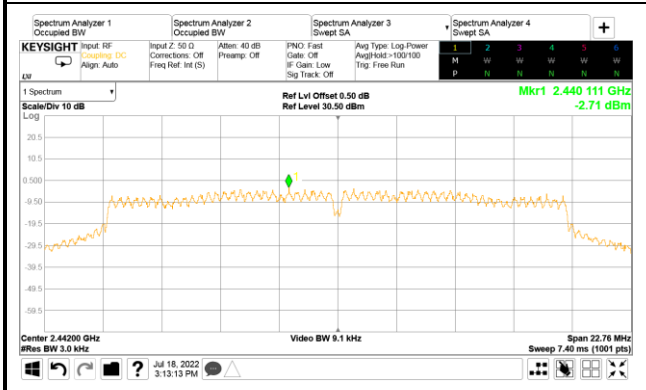
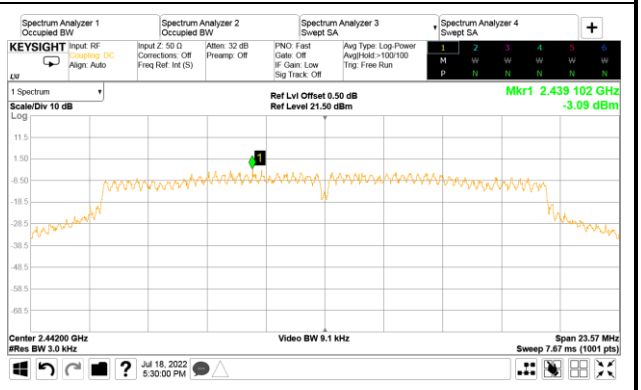
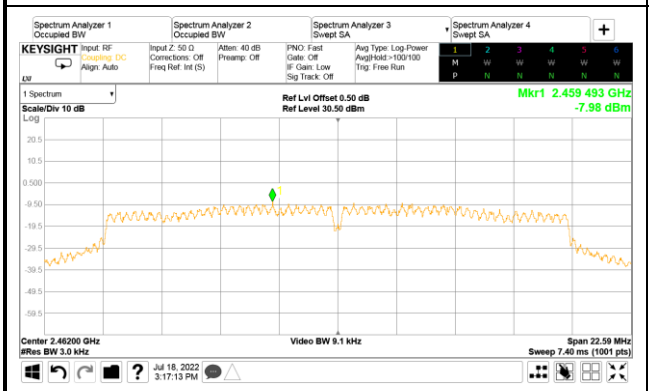
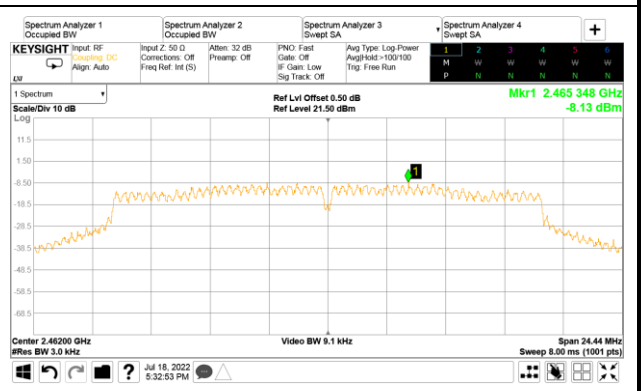
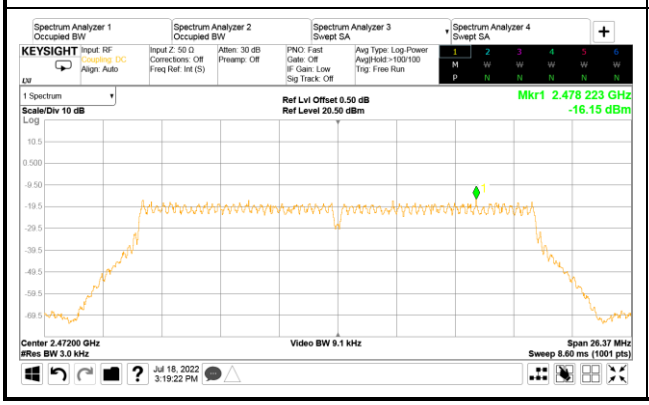
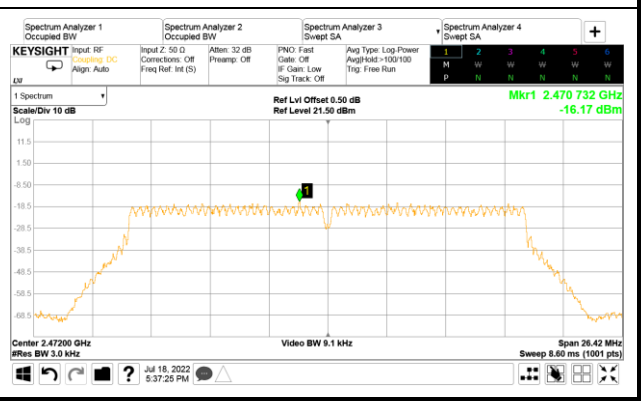
802.11n-HT20	
AUX	Main
	
	
	
	

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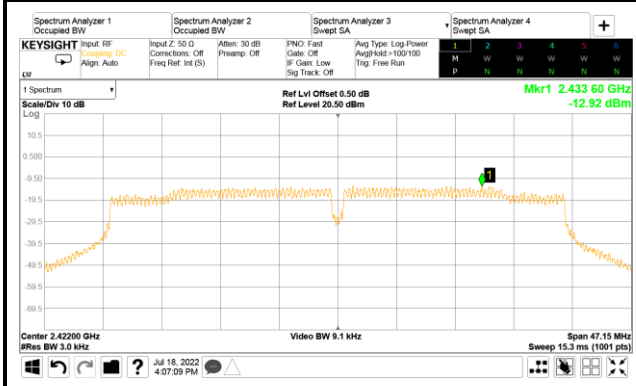
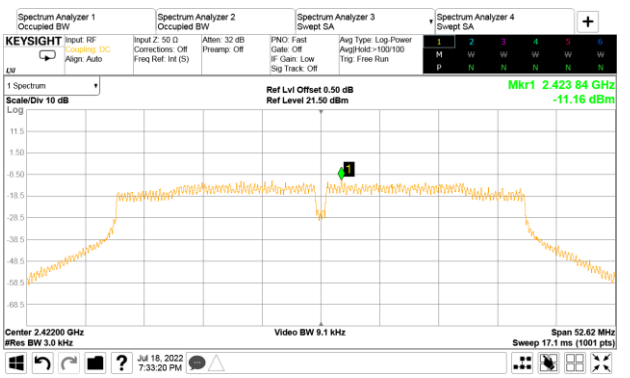
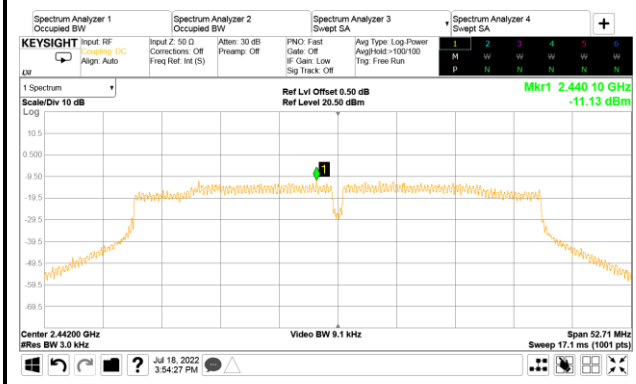
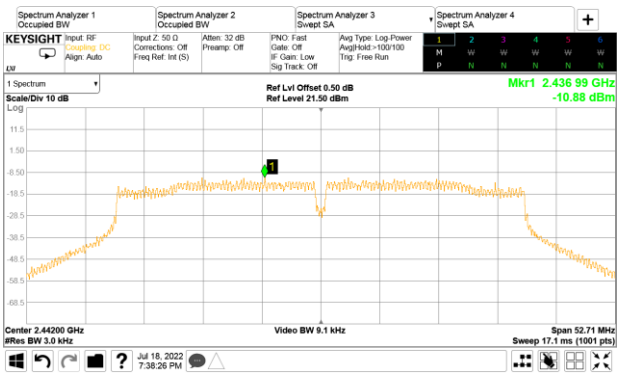
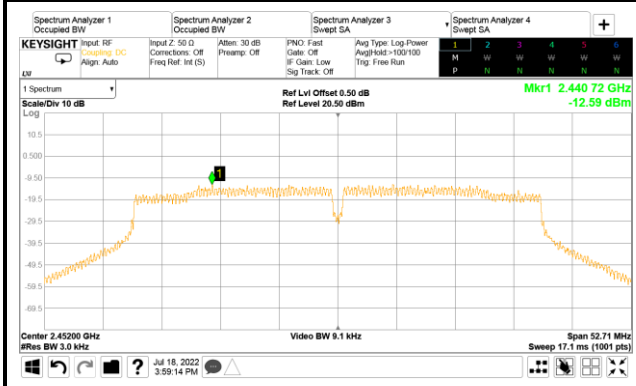
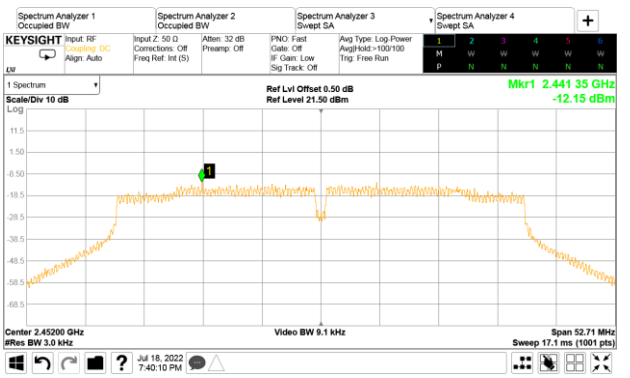
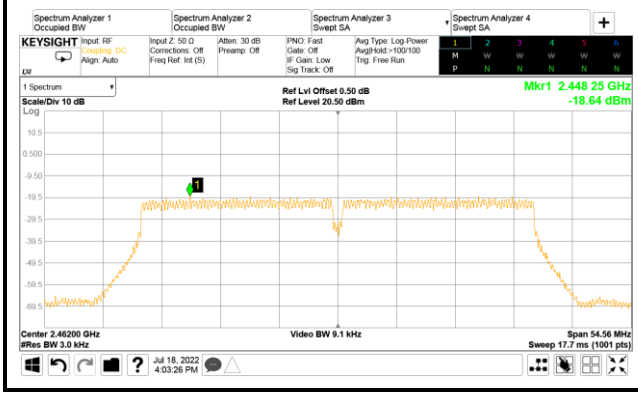
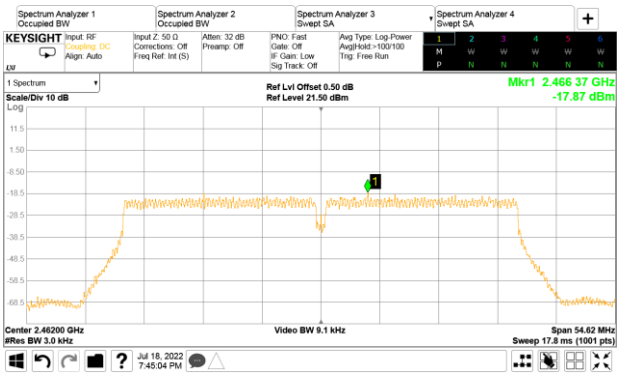
802.11n-HT40	
AUX	Main
	
	
	
	

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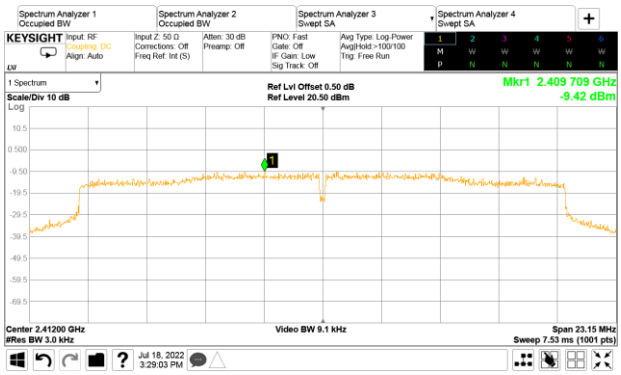
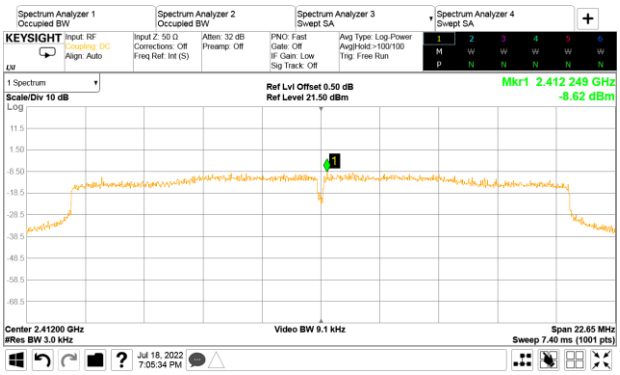
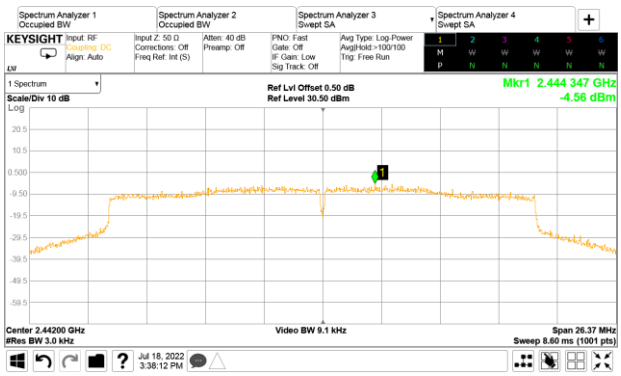
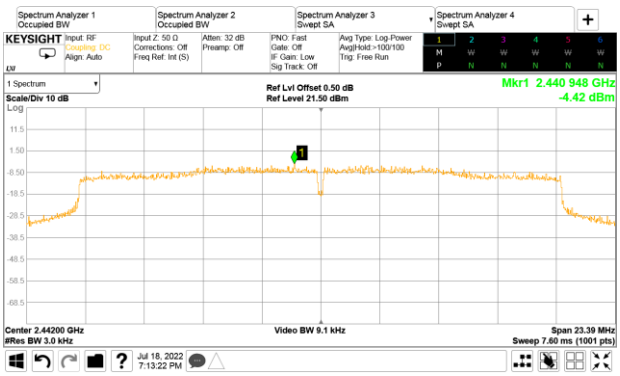
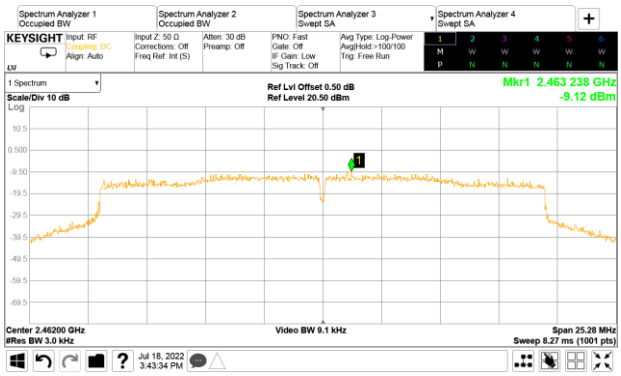
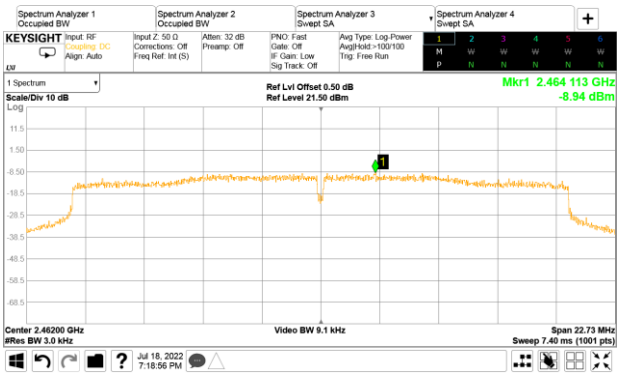
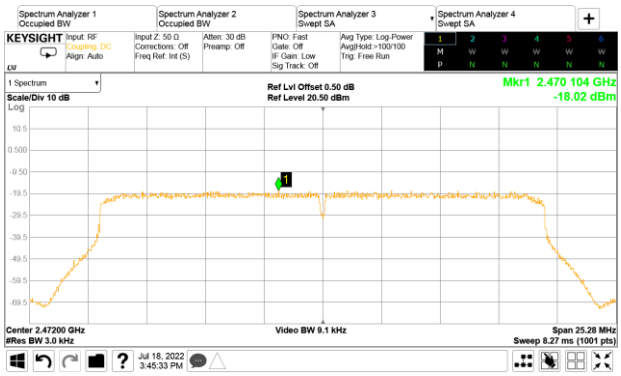
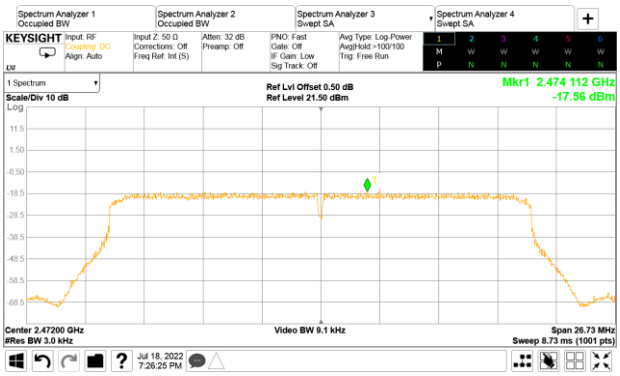
802.11ax-HE20	
AUX	Main
	
	
	
	

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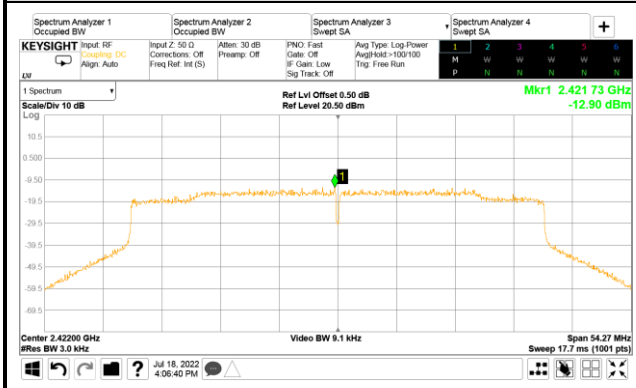
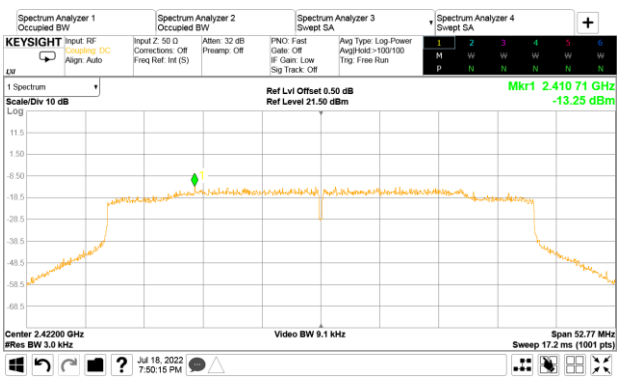
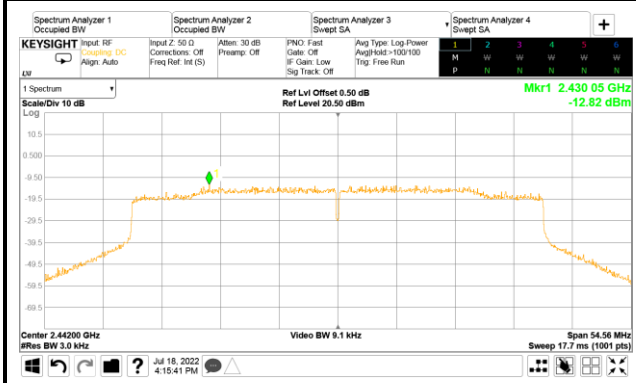
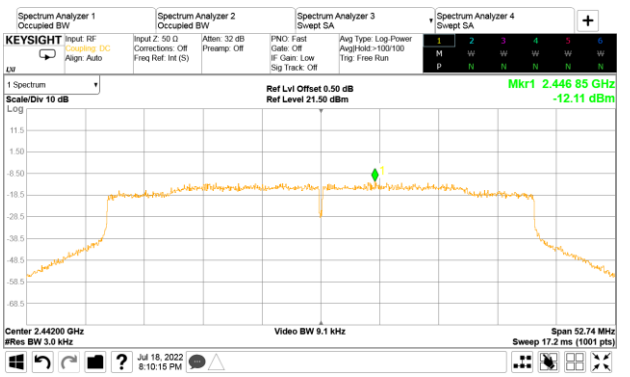
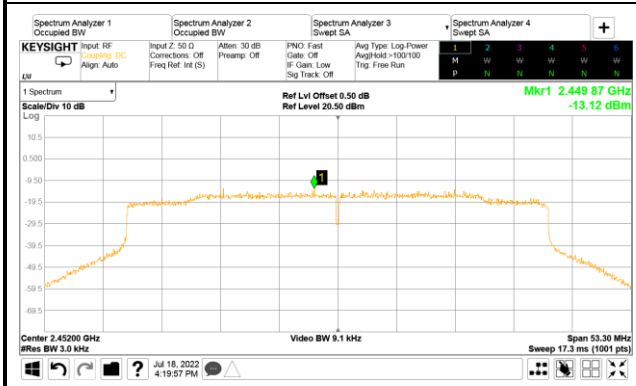
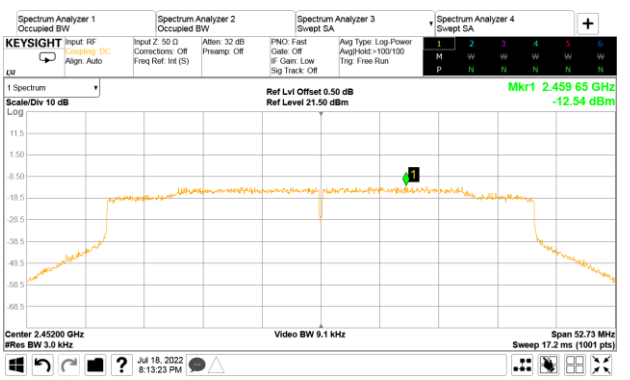
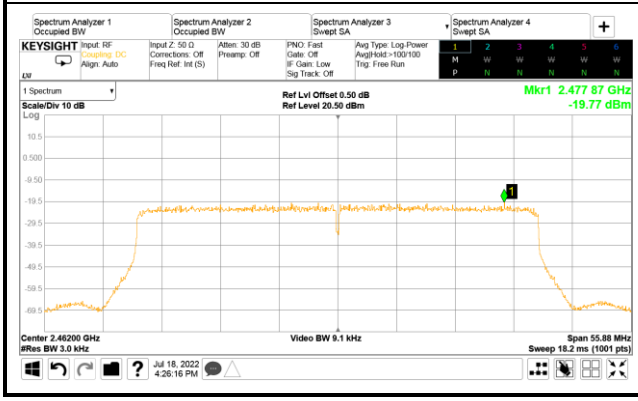
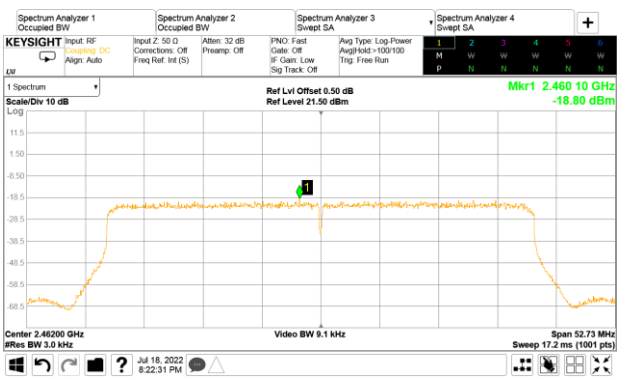
802.11ax-HE40	
AUX	Main
	
	
	
	

Note: All results have been included cable loss.

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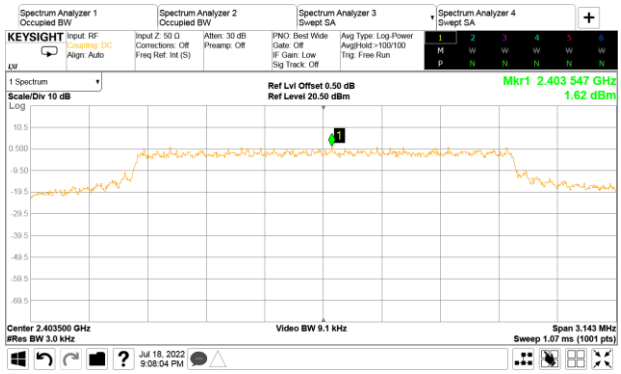
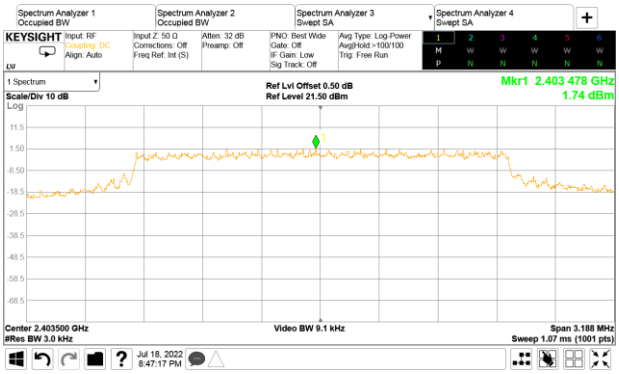
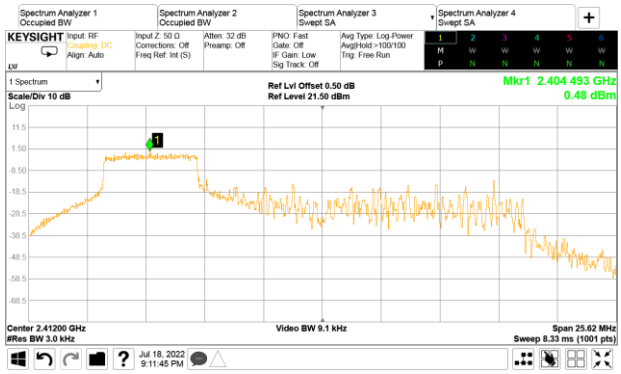
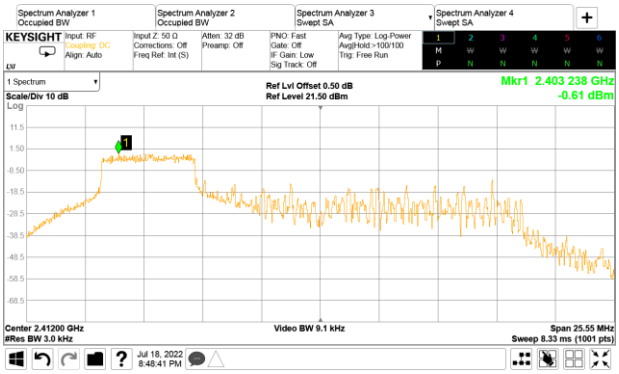
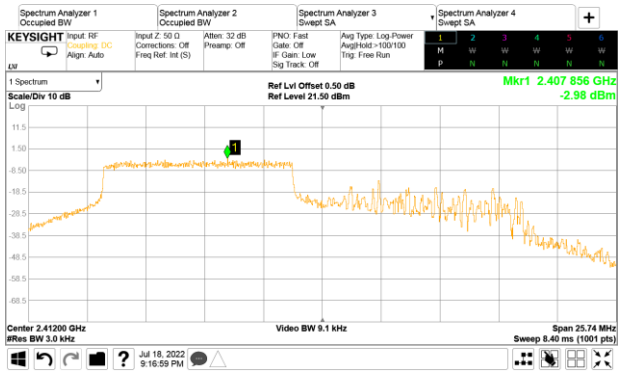
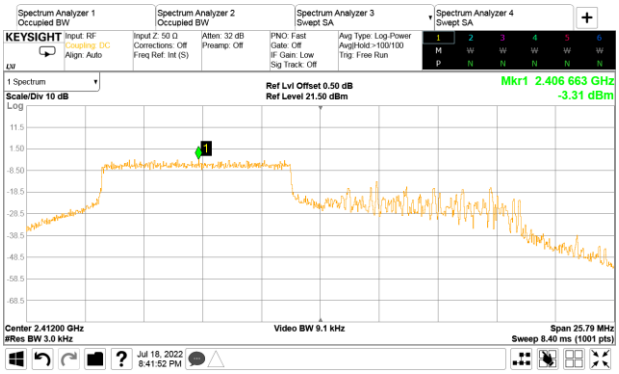
802.11ax-HE20	
AUX	Main
2412MHz	2412MHz
RU Configuration: 26/0	RU Configuration: 26/0
	
RU Configuration: 52/37	RU Configuration: 52/37
	
RU Configuration: 106/53	RU Configuration: 106/53
	

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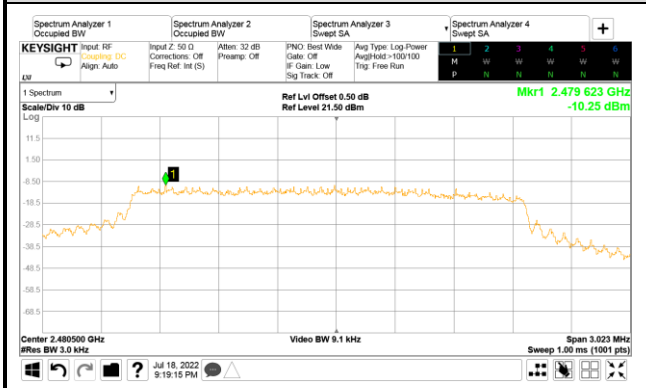
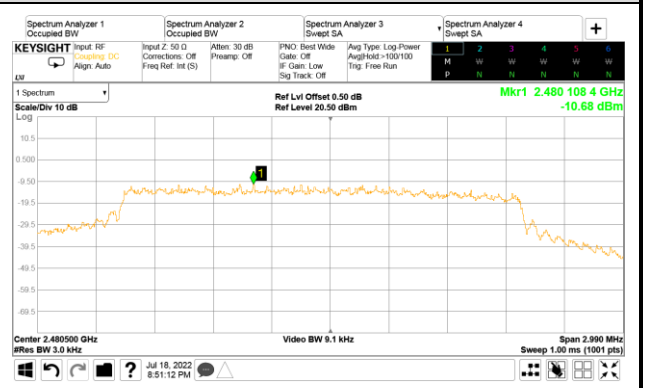
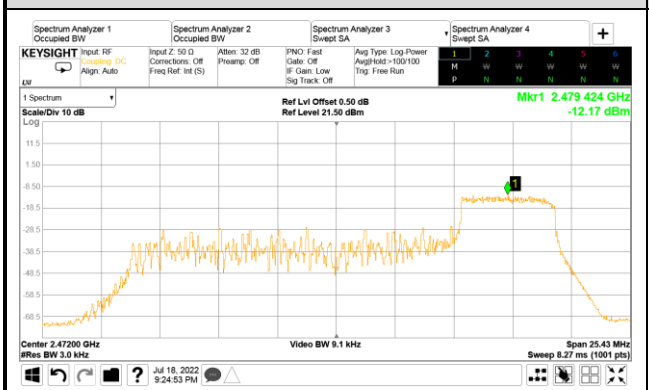
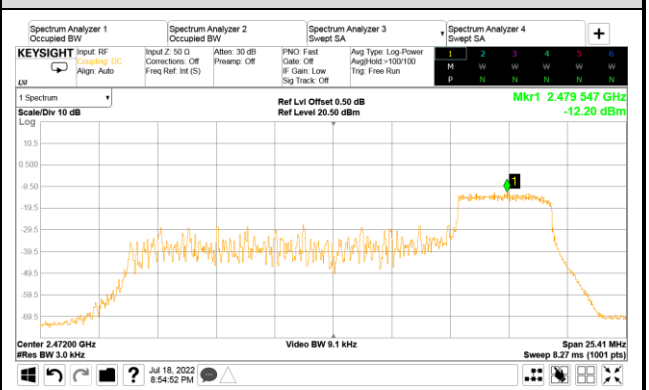
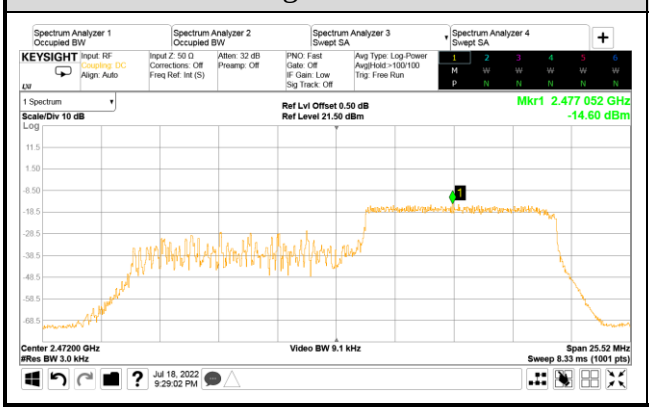
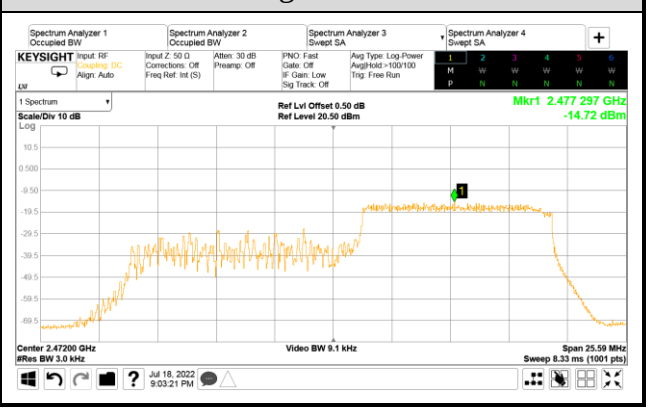
802.11ax-HE20	
AUX	Main
2472MHz	2472MHz
RU Configuration: 26/8	RU Configuration: 26/8
	
RU Configuration: 52/40	RU Configuration: 52/40
	
RU Configuration: 106/54	RU Configuration: 106/54
	

Note: All results have been included cable loss.

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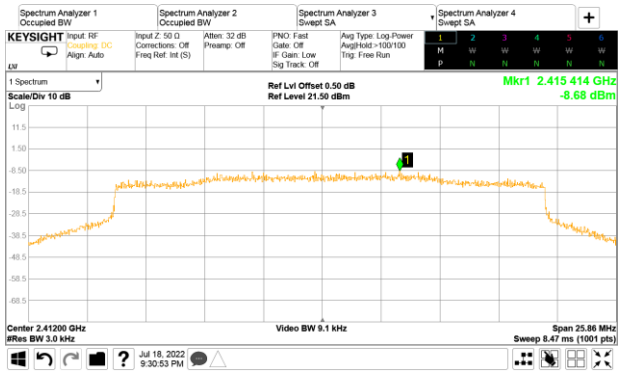
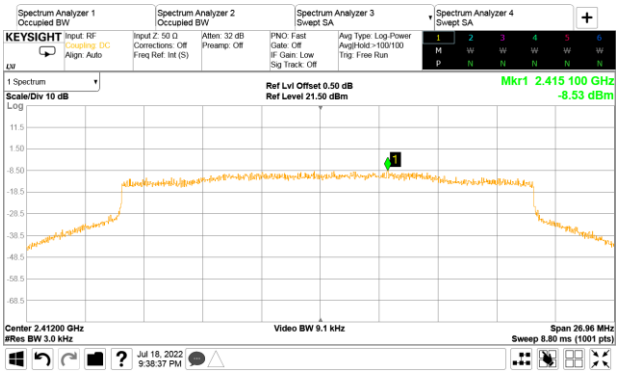
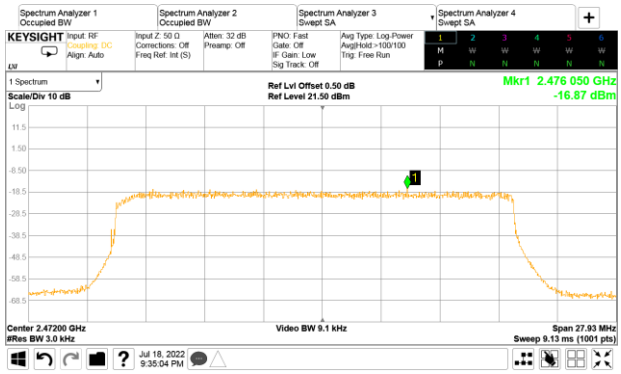
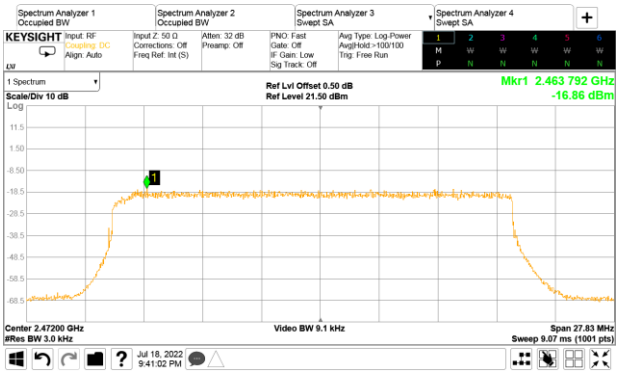
802.11ax-HE40	
AUX	Main
2422MHz	2422MHz
RU Configuration: 242/61	RU Configuration: 242/61
	
2462MHz	2462MHz
RU Configuration: 242/62	RU Configuration: 242/62
	

Note: All results have been included cable loss.

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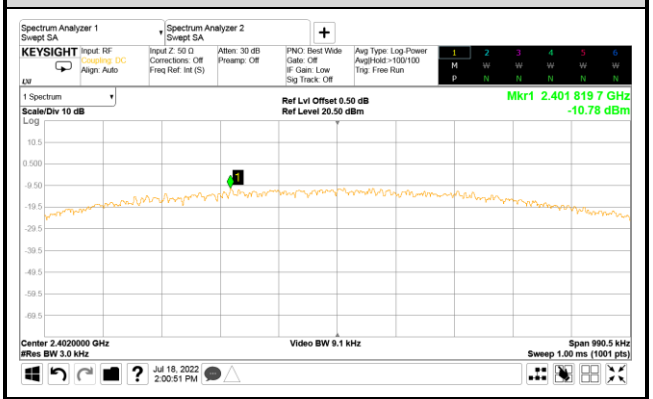
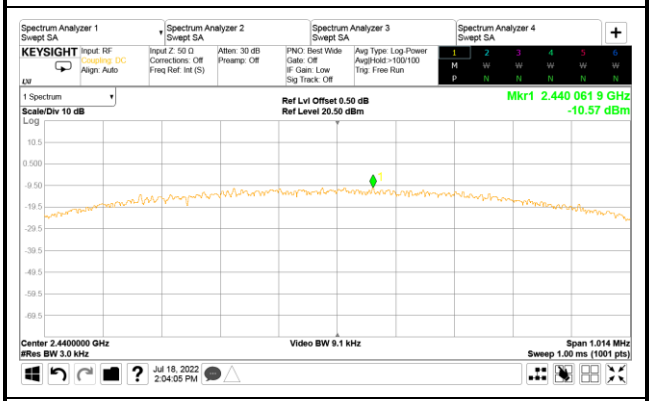
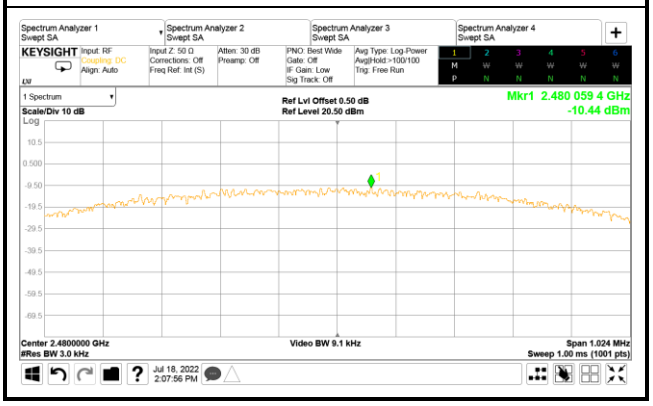
BLE







Note: All results have been included cable loss.

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