Audix Technology Corp.
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A.6 POWER SPECTRAL DENSITY

Test Date	2022/10/26 ~ 27	Temp./Hum.	23~24°C/58~62%
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	-2.46	-2.10	-2.10	<8 dBm/3kHz
	2442	-2.31	-2.53	-2.31	
	2462	-2.37	-2.36	-2.36	
	2472	-5.58	-6.48	-5.58	
802.11g	2412	-6.88	-6.20	-6.20	
	2442	-3.73	-3.82	-3.73	
	2462	-6.21	-5.94	-5.94	
	2472	-11.63	-11.74	-11.63	

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	-7.97	-8.29	-5.12	<8 dBm/3kHz
	2442	-3.28	-3.09	-0.17	
	2462	-7.83	-8.32	-5.06	
	2472	-18.91	-17.58	-15.18	
802.11n-HT40	2422	-11.77	-11.10	-8.41	
	2442	-10.83	-10.50	-7.65	
	2452	-12.47	-10.91	-8.61	
	2462	-21.08	-19.98	-17.48	
802.11ax-HE20	2412	-8.90	-8.76	-5.82	
	2442	-4.64	-3.72	-1.15	
	2462	-8.16	-8.49	-5.31	
	2472	-19.78	-19.08	-16.41	
802.11ax-HE40	2422	-12.24	-12.94	-9.57	
	2442	-12.84	-12.32	-9.56	
	2452	-13.81	-13.47	-10.63	
	2462	-21.60	-21.93	-18.75	

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	1.54	2.06	4.82	<8 dBm/3kHz
	52/37		-0.29	-0.47	2.63	
	106/53		-3.68	-3.66	-0.66	
	26/8	2472	-10.56	-9.86	-7.19	
	52/40		-12.58	-13.13	-9.84	
	106/54		-14.39	-14.70	-11.53	
802.11ax-HE40	242/61	2422	-9.99	-9.41	-6.68	
	242/62	2462	-18.74	-18.37	-15.54	

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	-11.71	<8 dBm/3kHz
	2440	-11.56	
	2480	-11.17	

Note: All results have been included cable loss.

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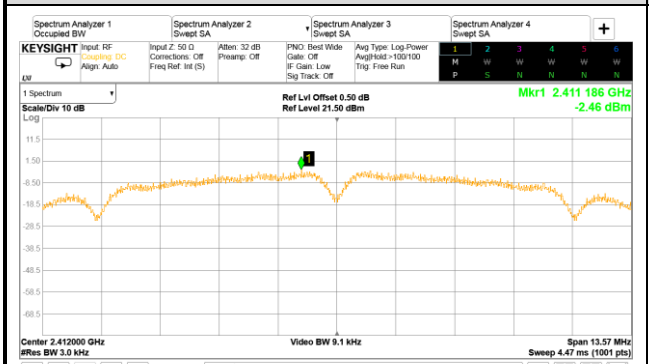
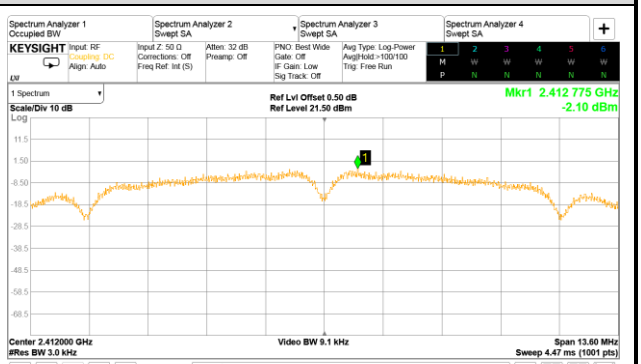
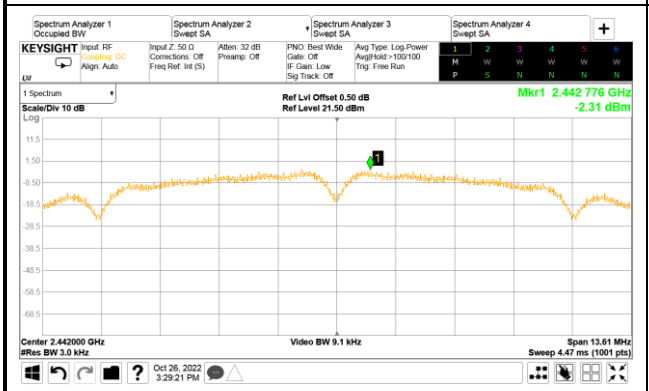
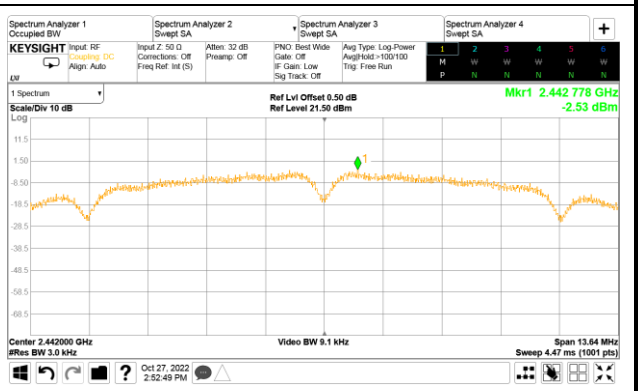
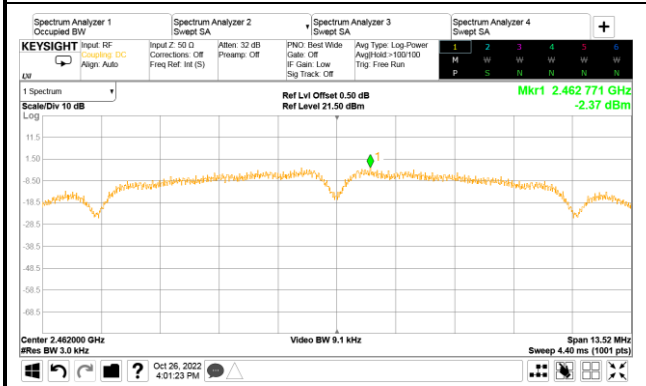
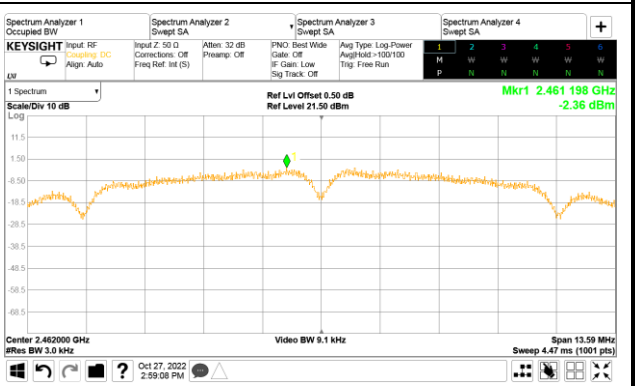
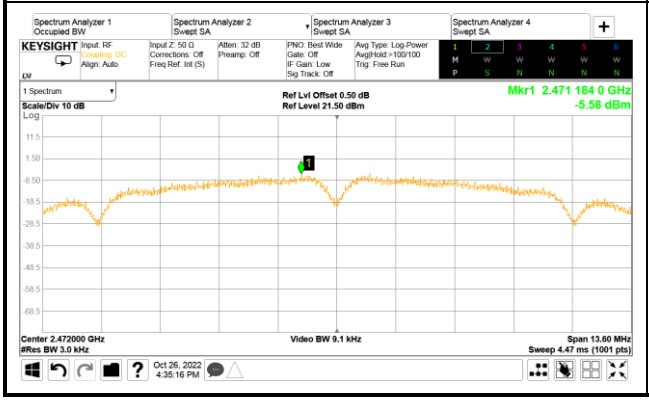
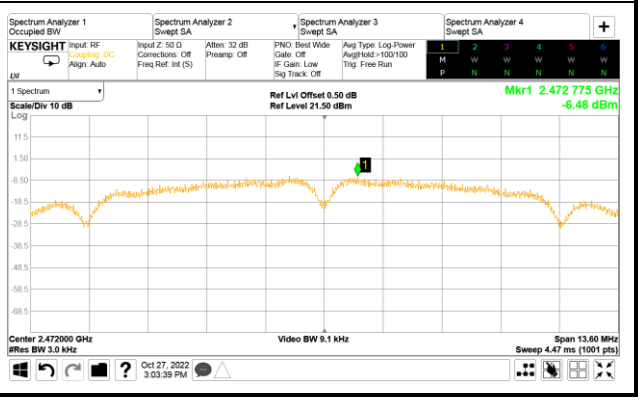
A.6.2 Measurement Plots

802.11b	
AUX	Main
	
	
	
	

Note: All results have been included cable loss.

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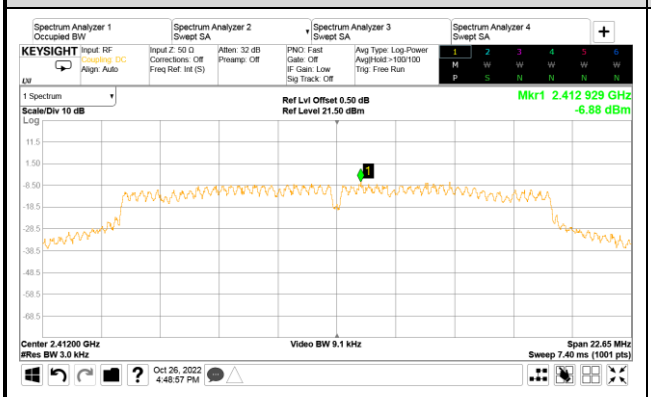
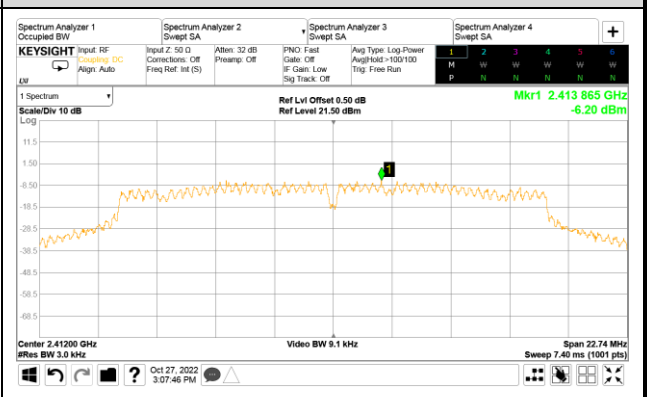
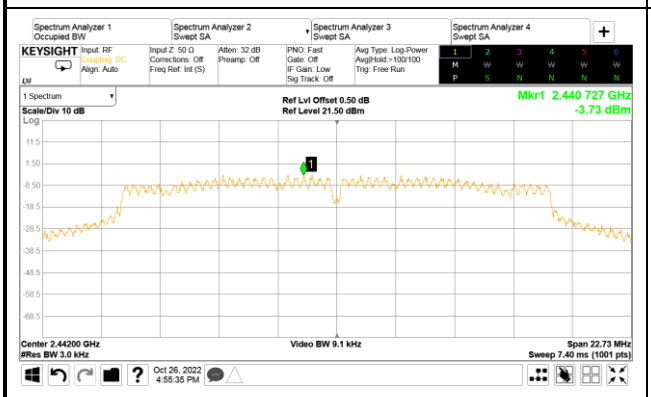
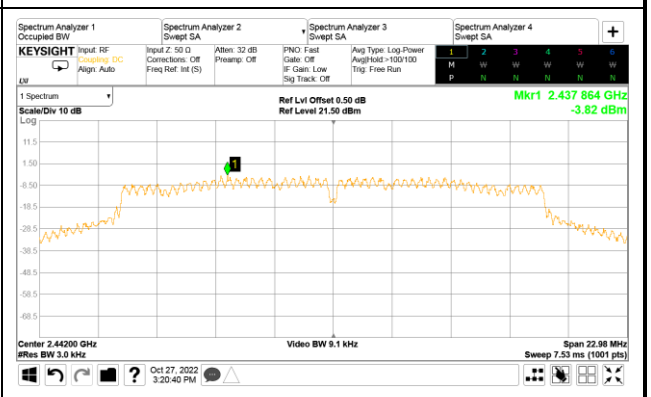
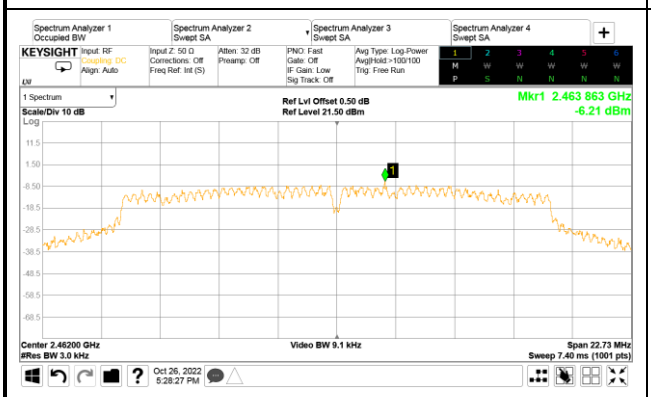
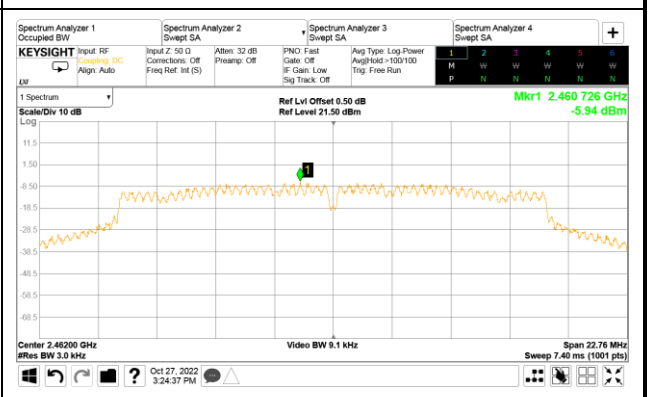
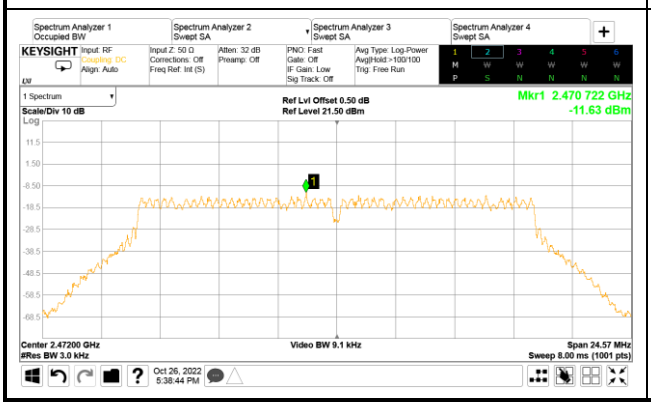
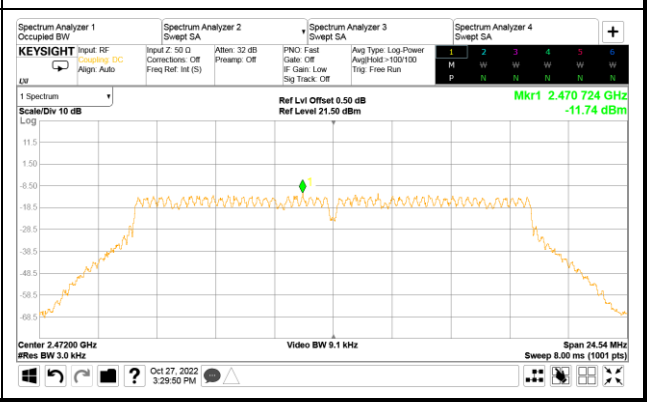
802.11g	
AUX	Main
	
	
	
	

Note: All results have been included cable loss.

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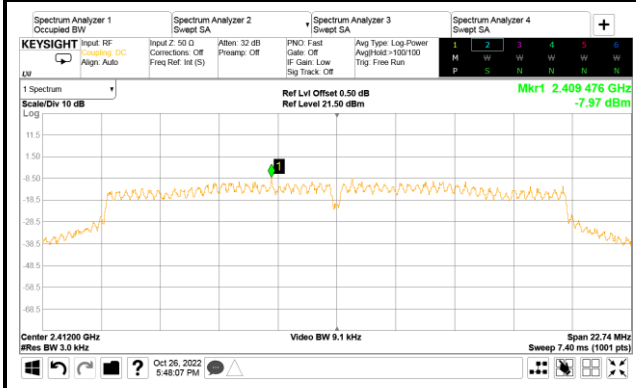
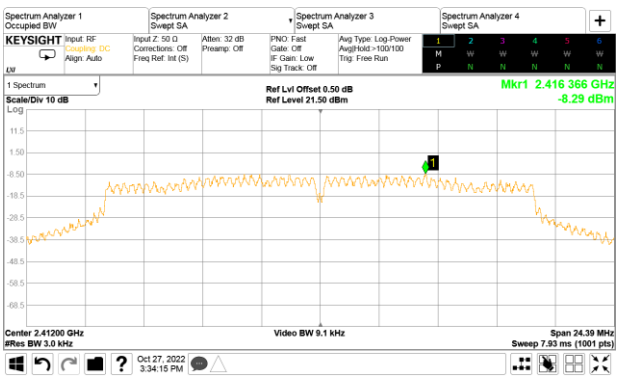
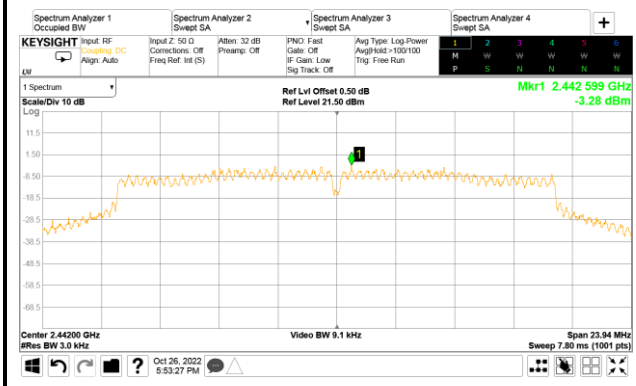
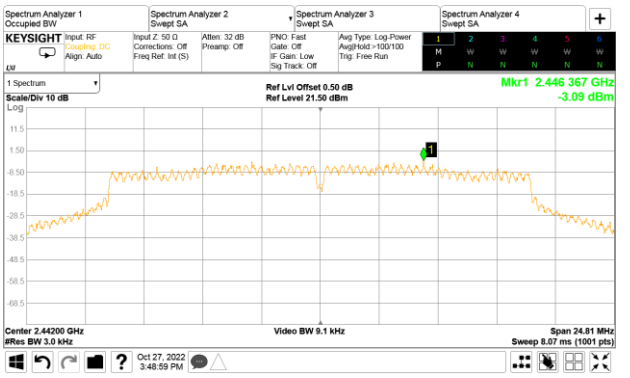
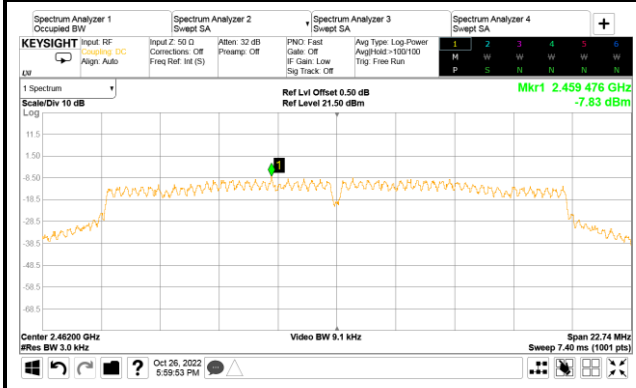
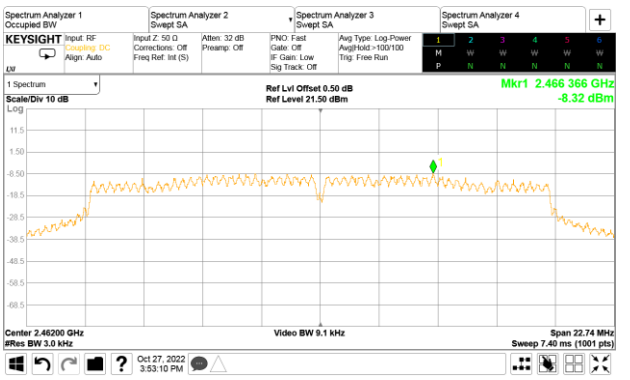
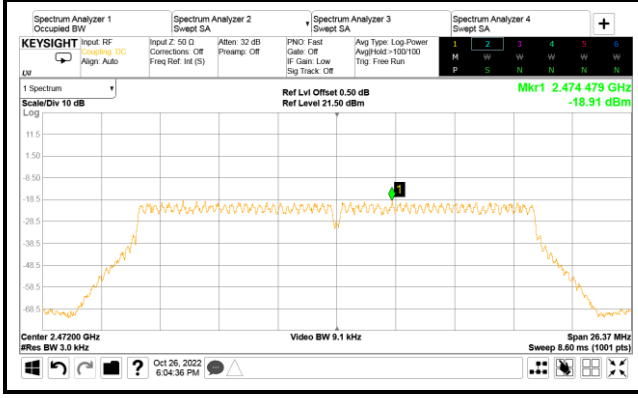
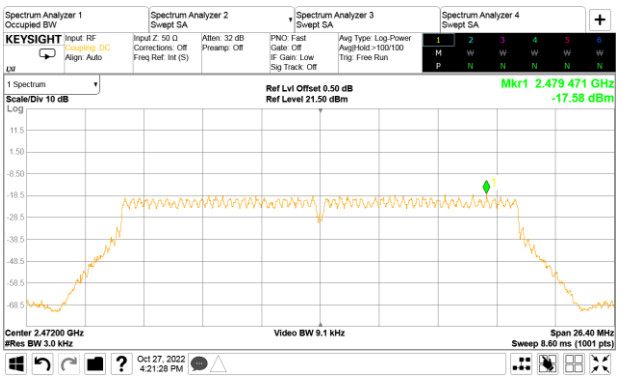
802.11n-HT20	
AUX	Main
	
	
	
	

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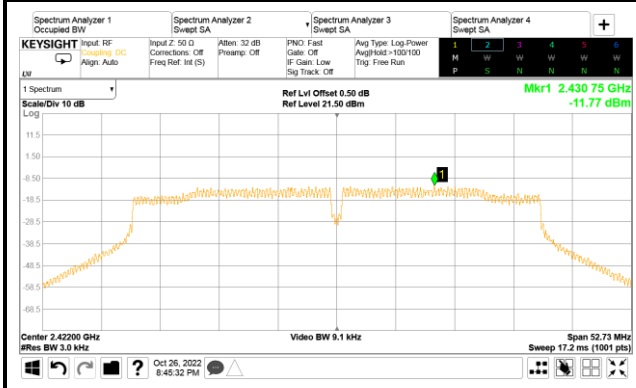
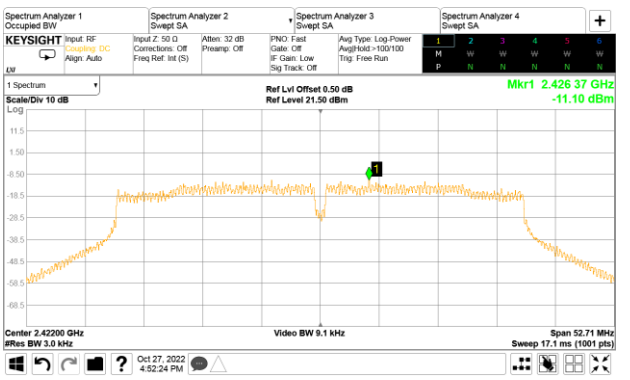
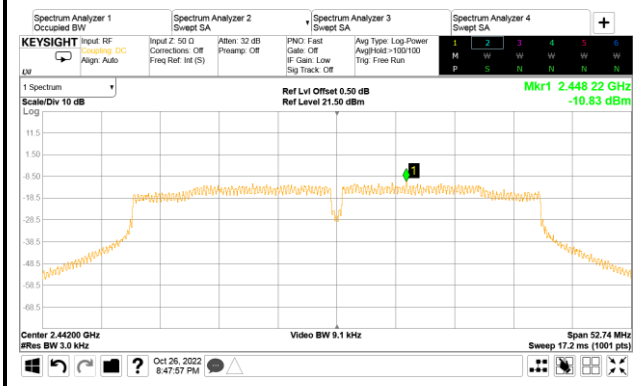
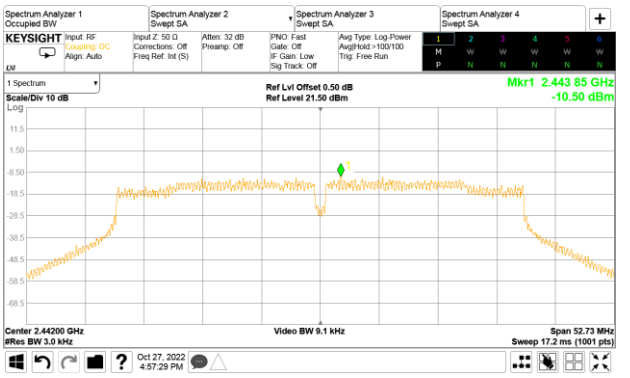
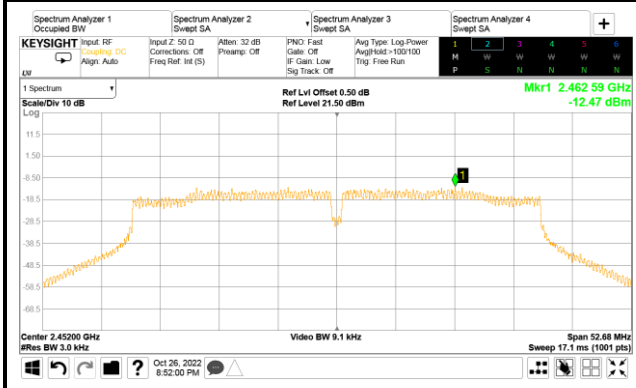
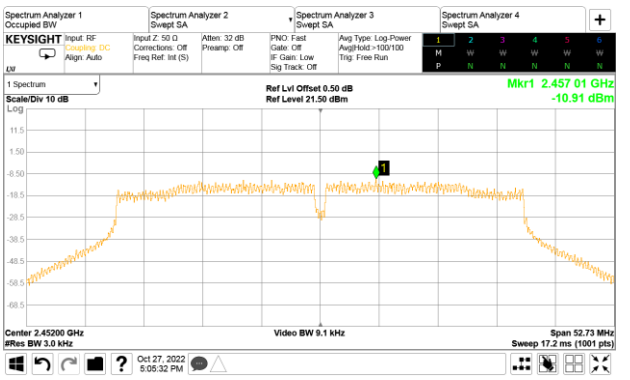
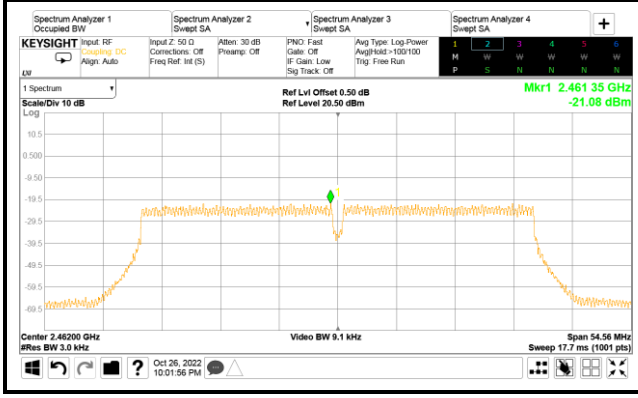
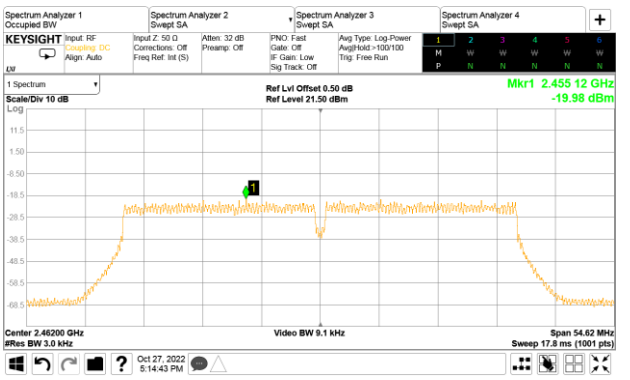
802.11n-HT40	
AUX	Main
	
	
	
	

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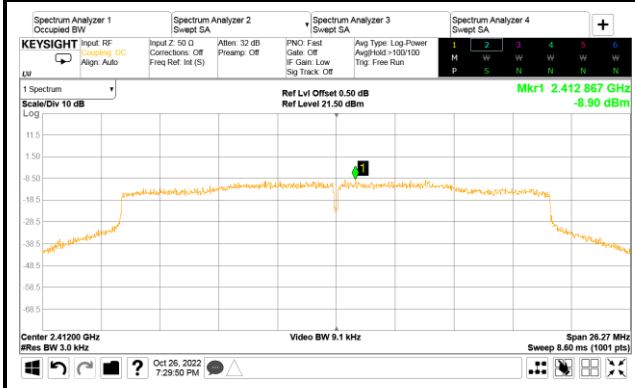
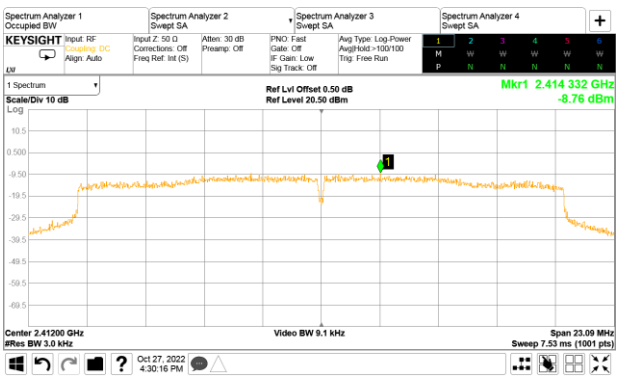
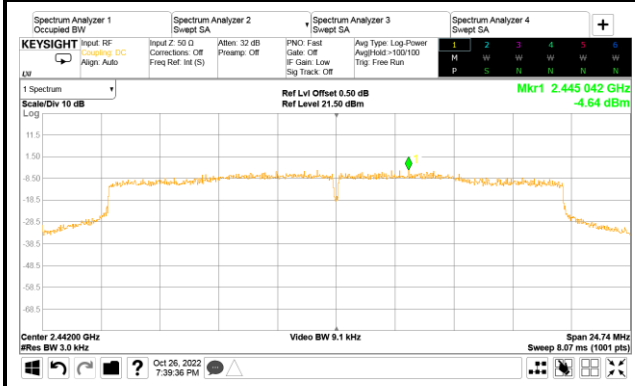
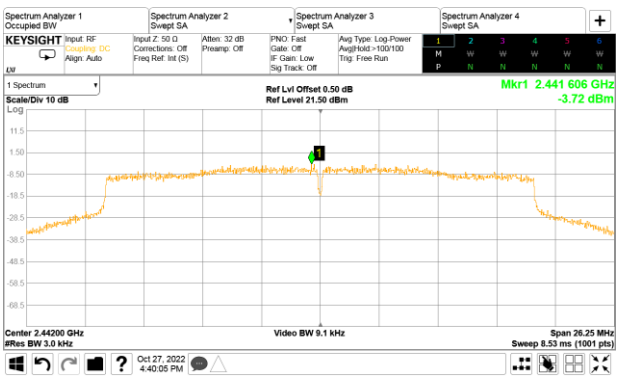
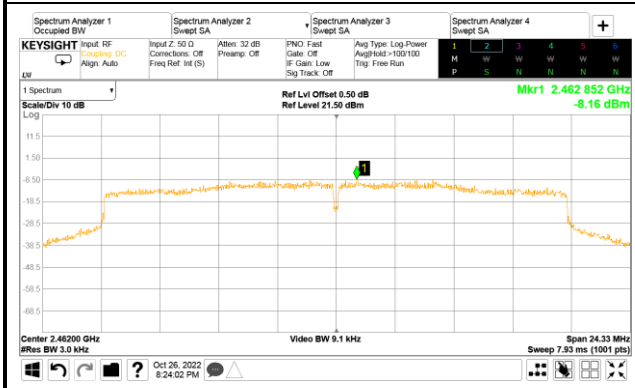
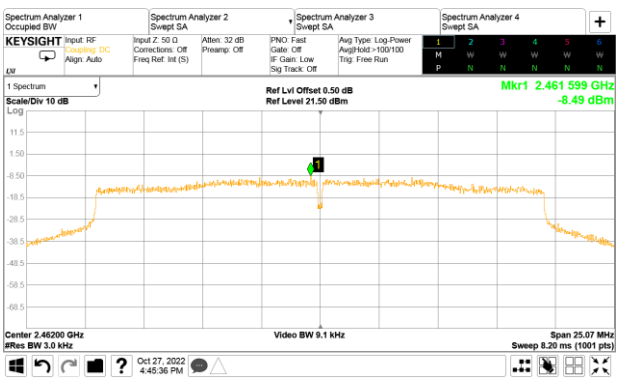
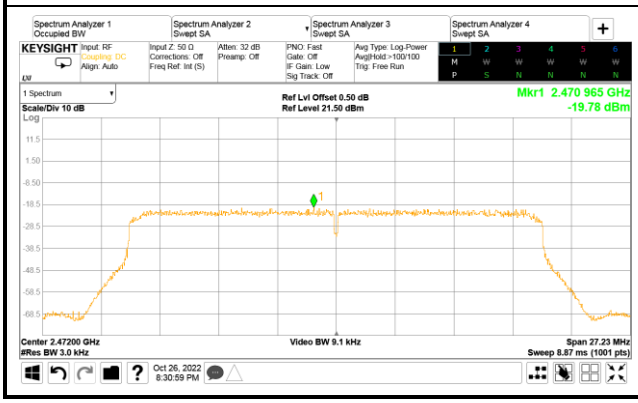
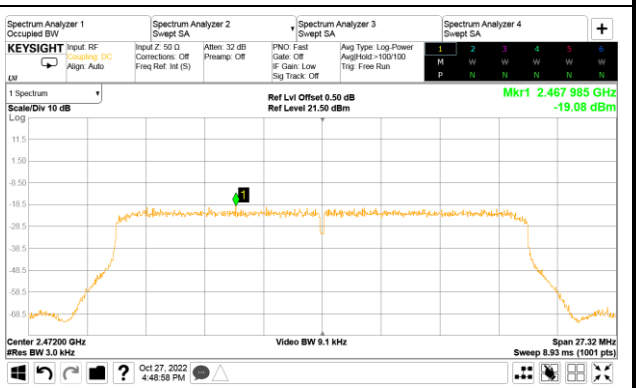
802.11ax-HE20	
AUX	Main
	
	
	
	

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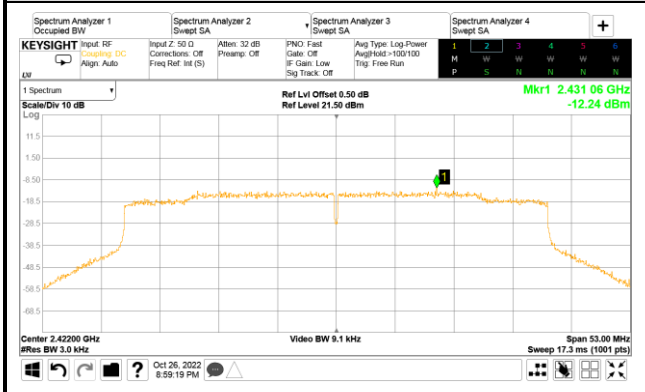
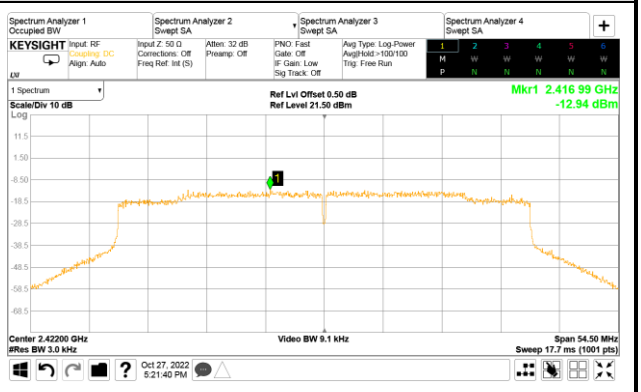
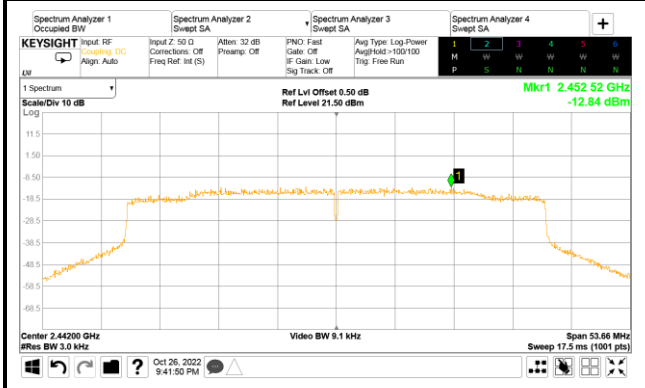
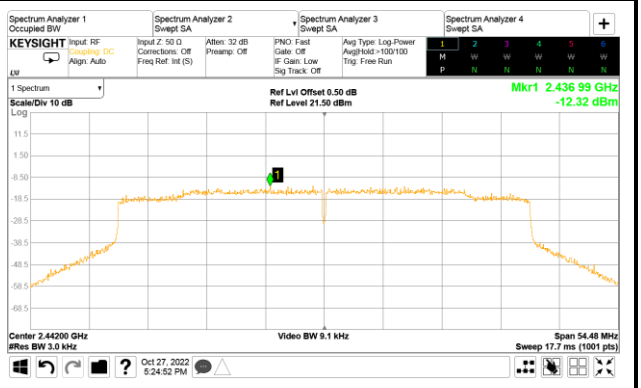
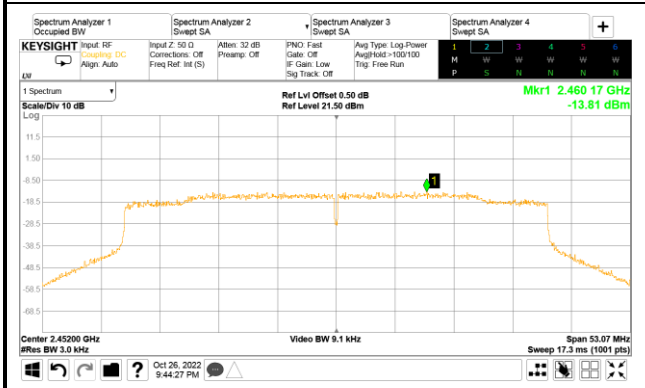
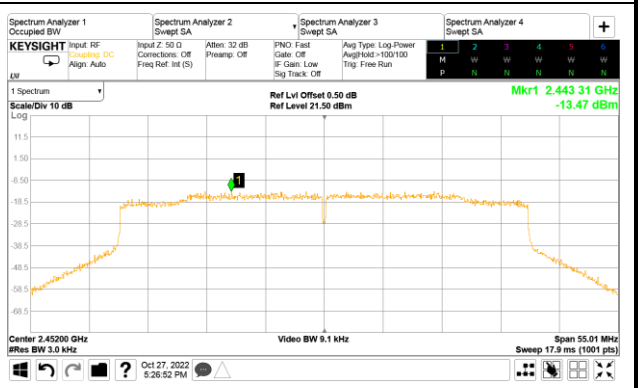
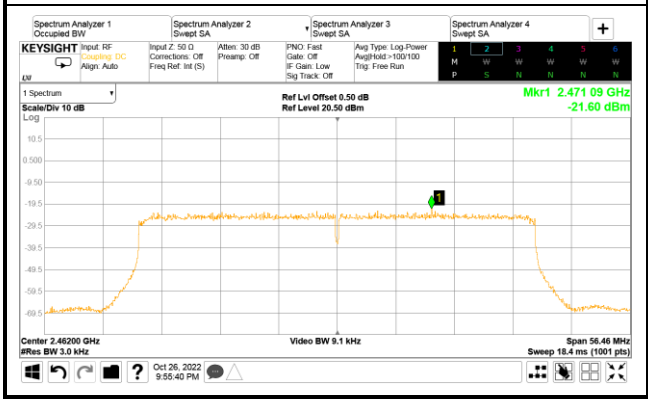
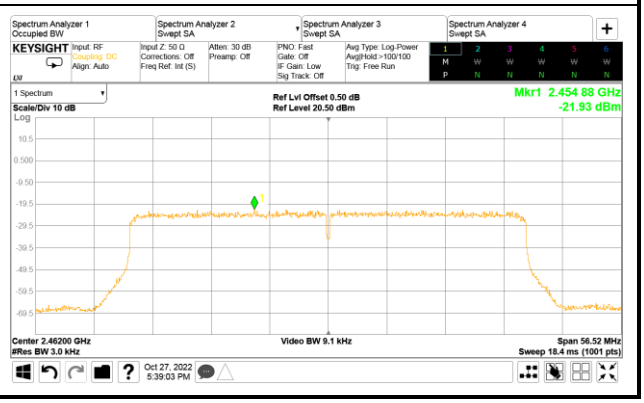
802.11ax-HE40	
AUX	Main
	
	
	
	

Note: All results have been included cable loss.

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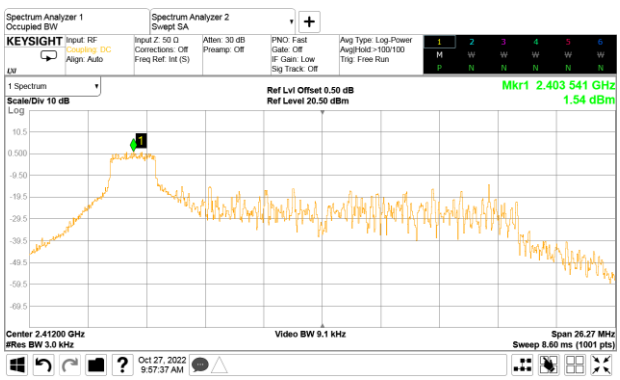
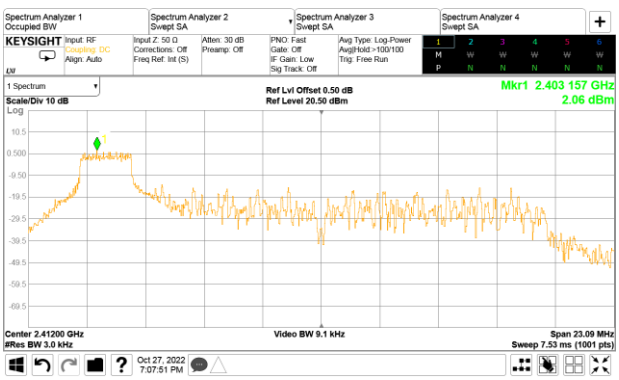
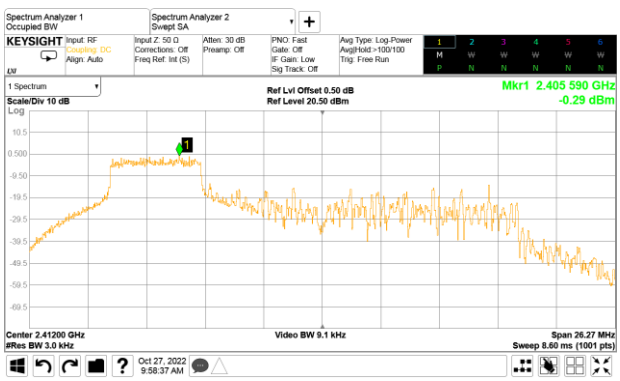
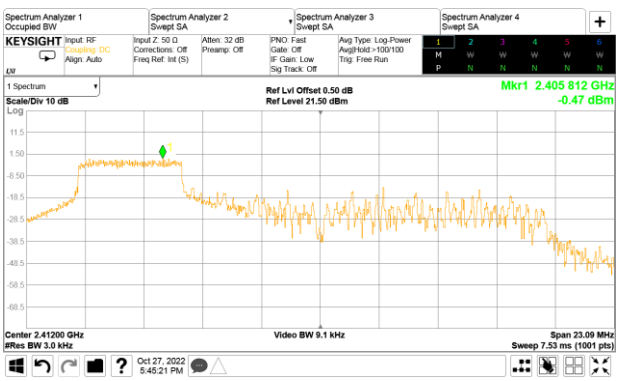
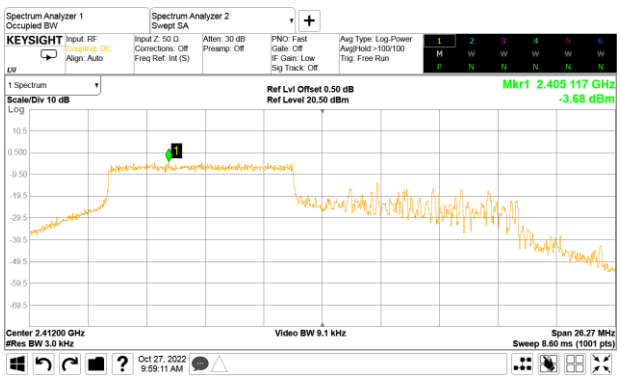
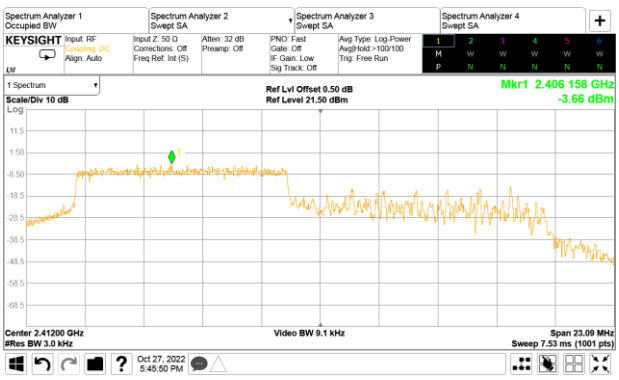
802.11ax-HE20	
AUX	Main
2412MHz	2412MHz
RU Configuration: 26/0	RU Configuration: 26/0
	
RU Configuration: 52/37	RU Configuration: 52/37
	
RU Configuration: 106/53	RU Configuration: 106/53
	

Note: All results have been included cable loss.

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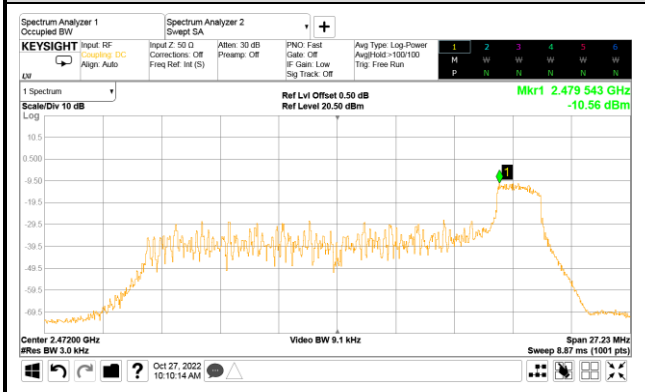
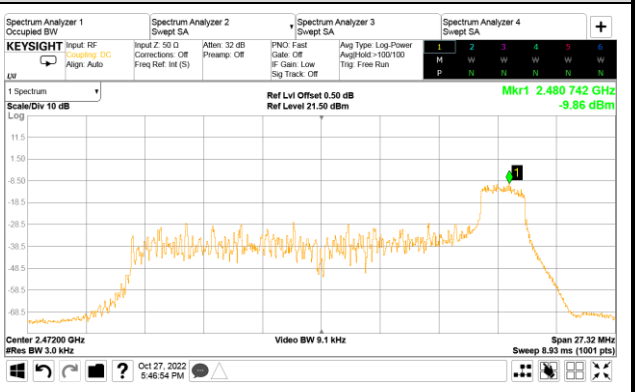
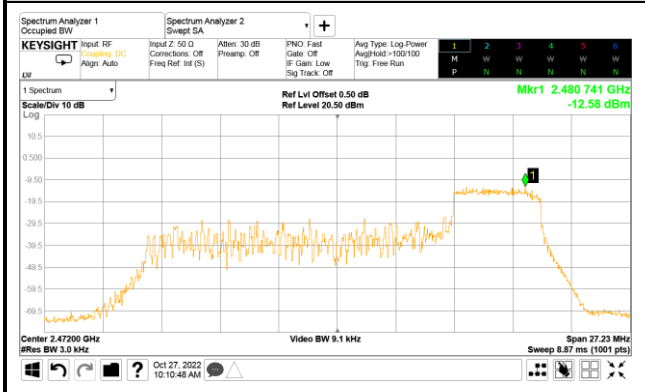
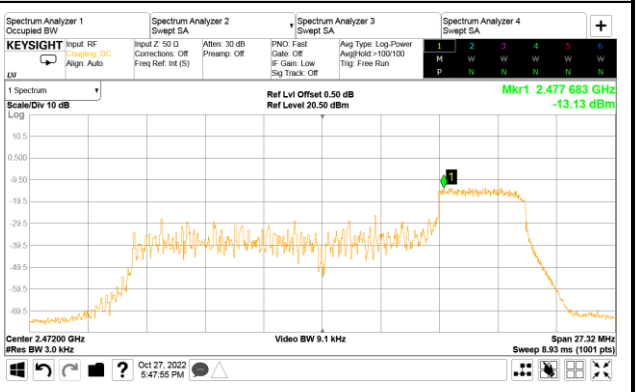
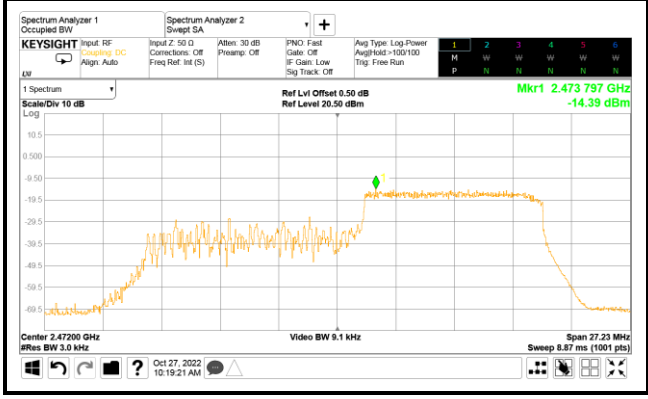
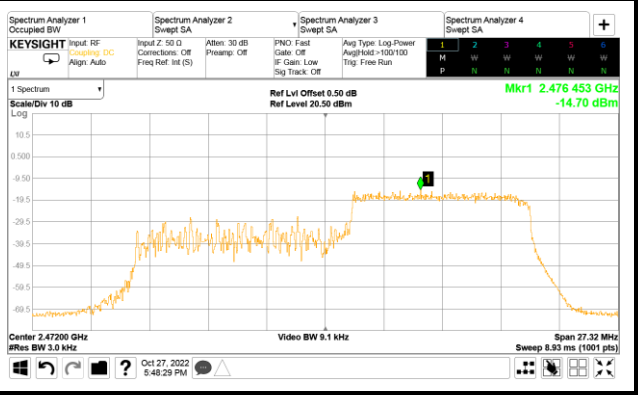
802.11ax-HE20	
AUX	Main
2472MHz	2472MHz
RU Configuration: 26/8	RU Configuration: 26/8
	
RU Configuration: 52/40	RU Configuration: 52/40
	
RU Configuration: 106/54	RU Configuration: 106/54
	

Note: All results have been included cable loss.

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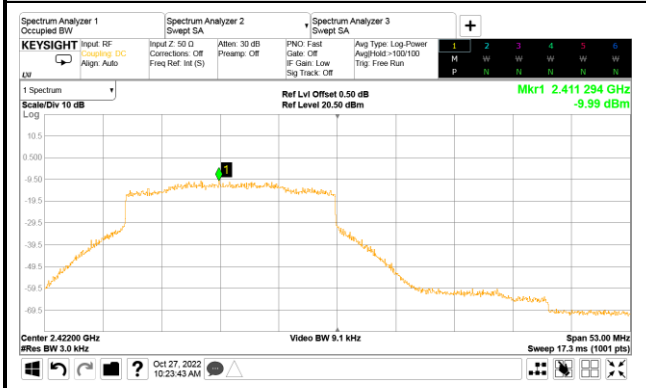
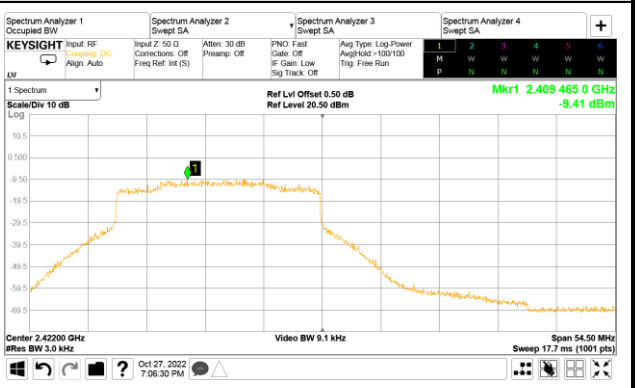
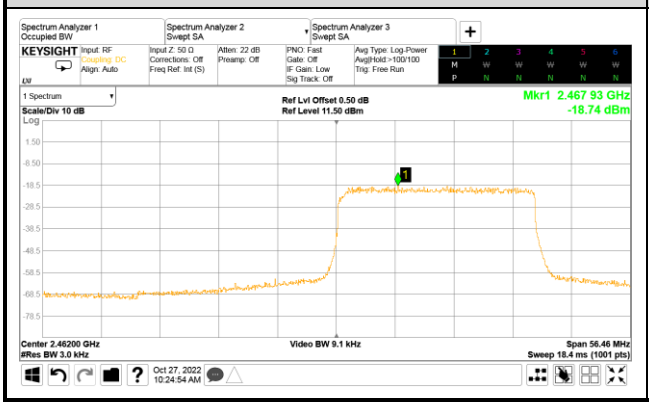
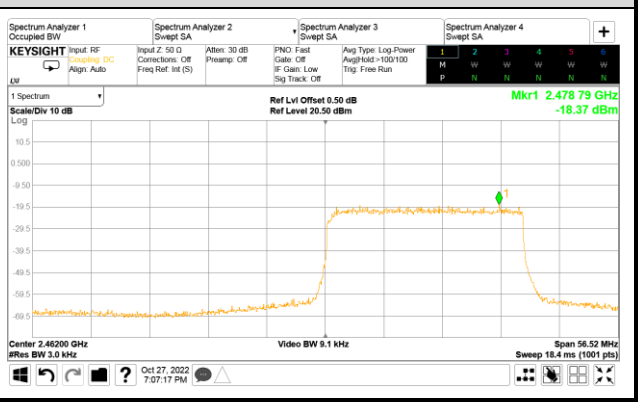
802.11ax-HE40	
AUX	Main
2422MHz	2422MHz
RU Configuration: 242/61	RU Configuration: 242/61
	
2462MHz	2462MHz
RU Configuration: 242/62	RU Configuration: 242/62
	

Note: All results have been included cable loss.

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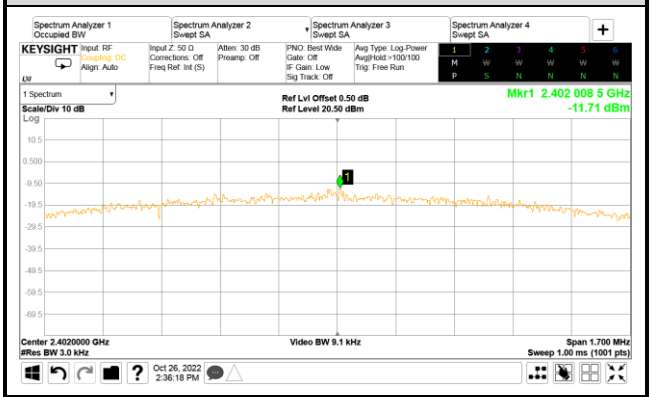
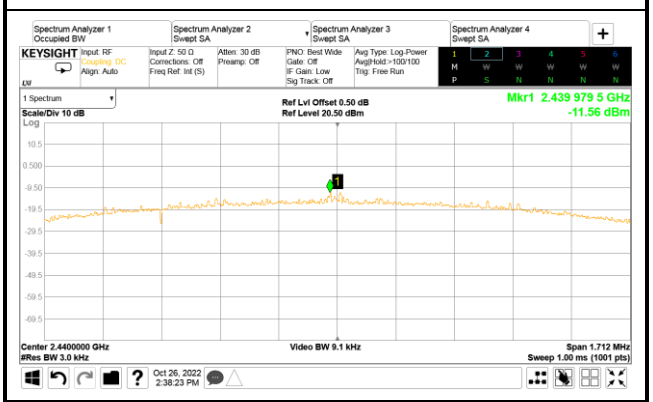
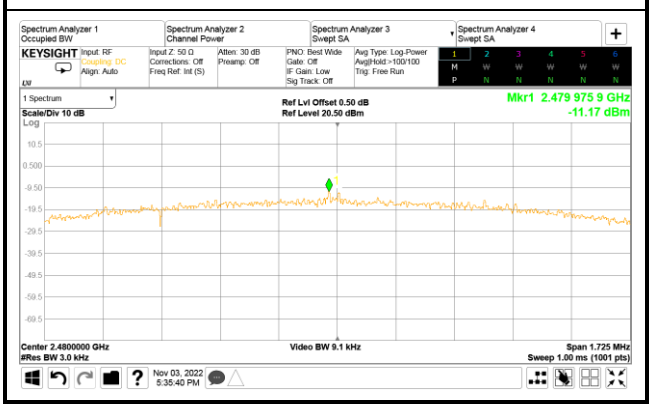
BLE







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APPDNDIX B

TEST PHOTOGRAPHS

(Model: 16Z90RS)

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