

A.3 DTS/OCCUPIED BANDWIDTH

Test Date	2022/07/15 ~20	Temp./Hum.	24~26°C/47~50%
Cable Loss	0.5dB	Tested By	Kuper Hsu
Test Voltage	AC 120V, 60Hz (via AC Adapter)		

A.3.1 DTS/Occupied Bandwidth Result

Mode	Centre Frequency (MHz)	DTS (6dB) Bandwidth (MHz)		Occupied (99%) Bandwidth (MHz)		Limit
		AUX	Main	AUX	Main	
802.11b	2412	9.034	9.023	13.558	13.348	>500kHz
	2442	9.036	9.038	13.523	13.344	
	2462	9.037	9.032	13.571	13.352	
	2472	9.026	9.075	13.405	13.318	
802.11g	2412	15.12	15.09	16.754	16.857	
	2442	15.71	15.10	16.786	16.729	
	2462	15.13	15.06	16.757	16.706	
	2472	16.34	16.36	16.401	16.404	
802.11n-HT20	2412	15.31	15.67	17.859	17.877	
	2442	15.70	16.65	17.815	17.823	
	2462	15.12	15.03	17.843	17.777	
	2472	17.57	17.57	17.563	17.567	
802.11n-HT40	2422	35.10	34.40	35.889	35.859	
	2442	35.10	35.07	35.922	35.916	
	2452	35.11	35.30	35.909	35.913	
	2462	36.39	36.41	36.116	36.079	
802.11ax-HE20	2412	16.79	15.36	18.926	18.975	
	2442	16.50	16.91	18.969	18.937	
	2462	15.92	16.41	18.932	18.929	
	2472	18.08	17.86	18.693	18.710	
802.11ax-HE40	2422	35.89	35.59	37.320	37.432	
	2442	33.99	31.00	37.410	37.448	
	2452	35.04	35.15	37.416	37.425	
	2462	37.37	37.51	37.425	37.546	

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Mode	RU Configuration	Centre Frequency (MHz)	DTS (6dB) Bandwidth (MHz)		Occupied (99%) Bandwidth (MHz)		Limit
			AUX	Main	AUX	Main	
802.11ax-HE20	26/0	2412	2.103	2.098	18.779	18.608	>500kHz
	52/37		17.09	17.07	18.415	18.452	
	106/53		18.36	17.19	18.392	18.328	
	26/8	2472	2.022	2.036	2.053	2.059	
	52/40		16.93	16.98	4.029	4.060	
	106/54		17.01	17.04	18.111	18.129	
802.11ax-HE40	242/61	2422	16.40	17.63	18.732	18.722	>500kHz
	242/62	2462	18.49	18.58	18.537	18.556	

Mode	Centre Frequency (MHz)	DTS (6dB) Bandwidth (MHz)	Occupied (99%) Bandwidth (MHz)	Limit
BLE (1Mbps)	2402	0.6613	1.0431	>500kHz
	2440	0.6914	1.0414	
	2480	0.6748	1.0409	
BLE (2Mbps)	2402	1.108	2.0413	>500kHz
	2440	1.120	2.0380	
	2480	1.128	2.0381	
BLE (PHY Coded S2)	2402	0.6609	1.0361	>500kHz
	2440	0.6708	1.0371	
	2480	0.6767	1.0342	
BLE (PHY Coded S8)	2402	0.6019	1.0691	>500kHz
	2440	0.6048	1.0700	
	2480	0.6051	1.0691	

A.3.2 Measurement Plots

● DTS (6dB) Bandwidth

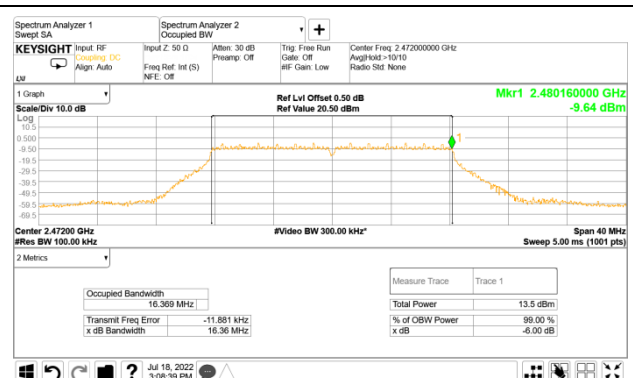
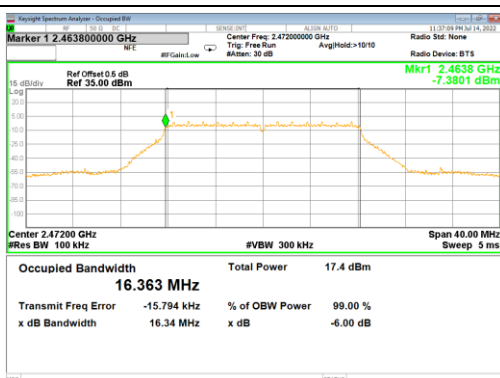
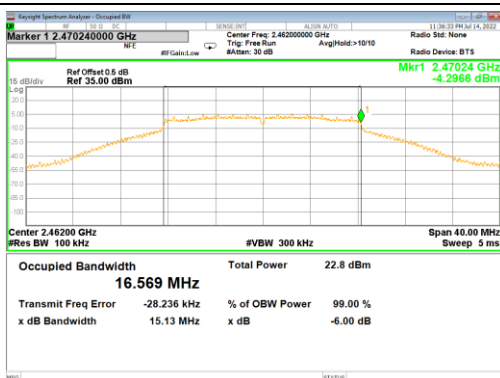
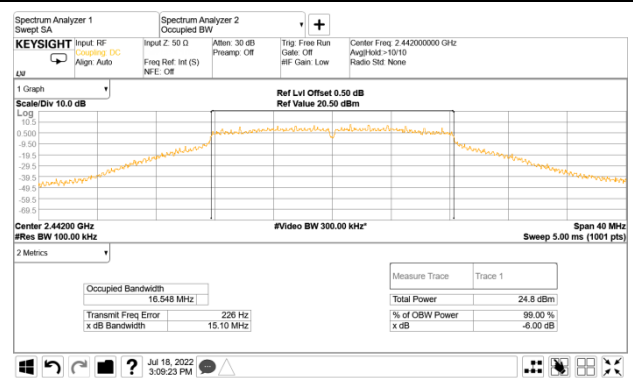
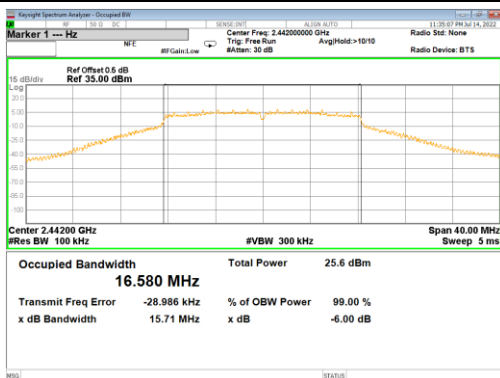
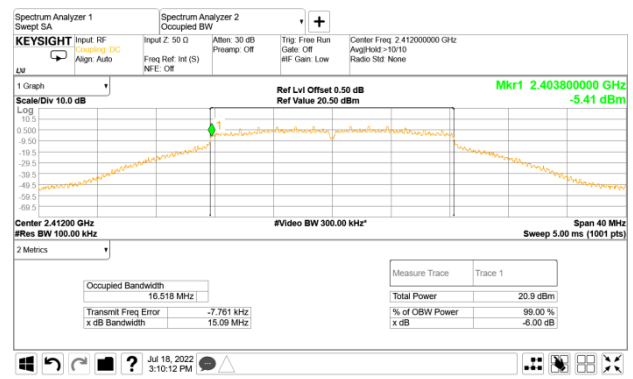
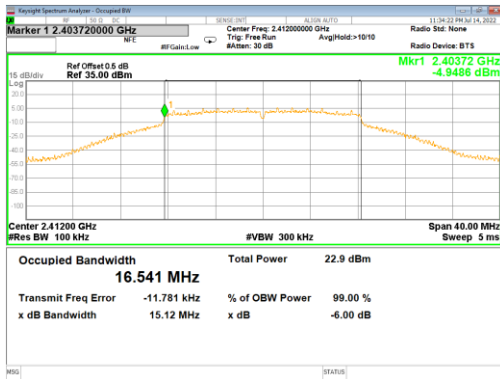
802.11b



802.11g

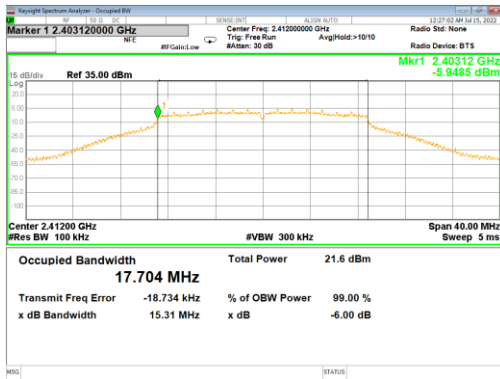
AUX

Main

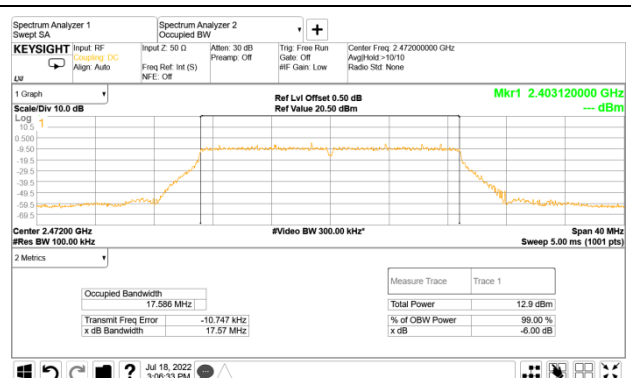
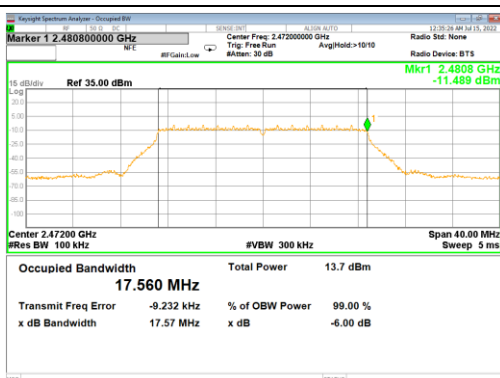
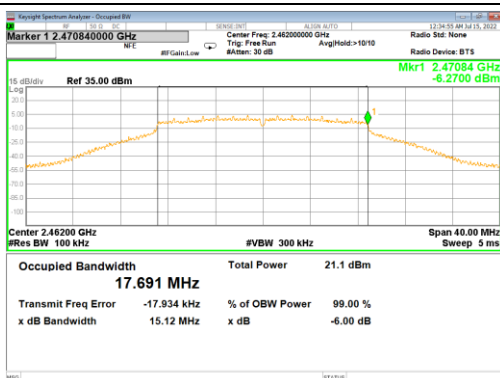
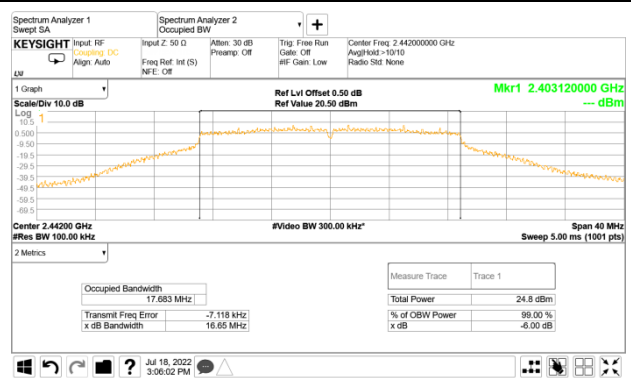
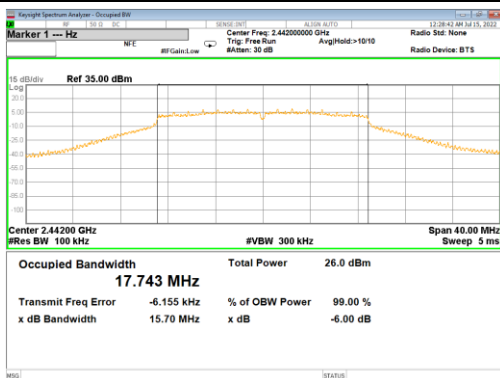
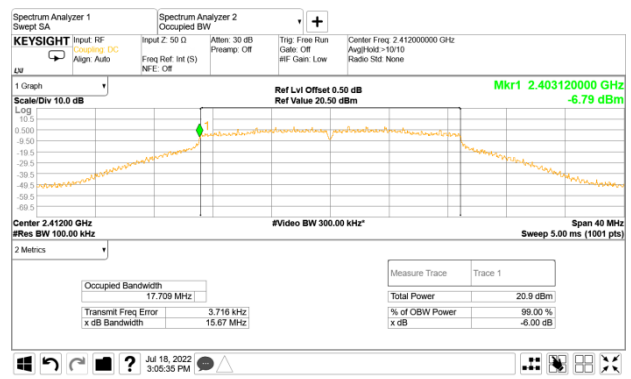


802.11n-HT20

AUX

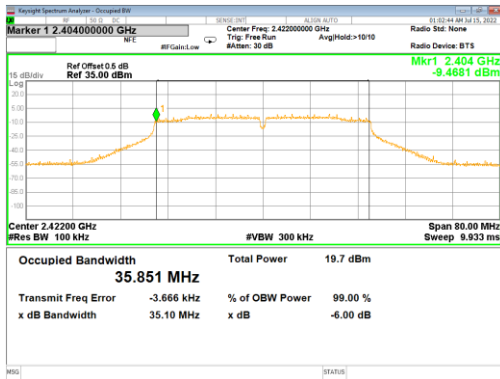


Main

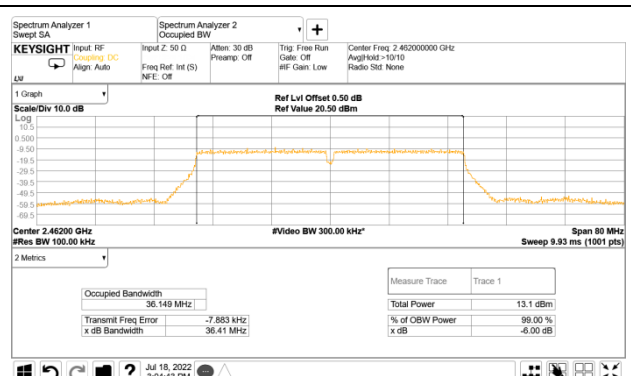
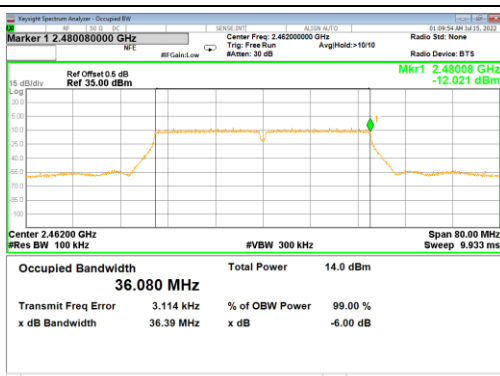
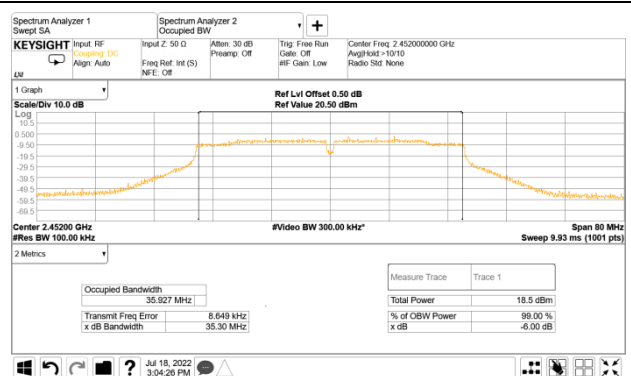
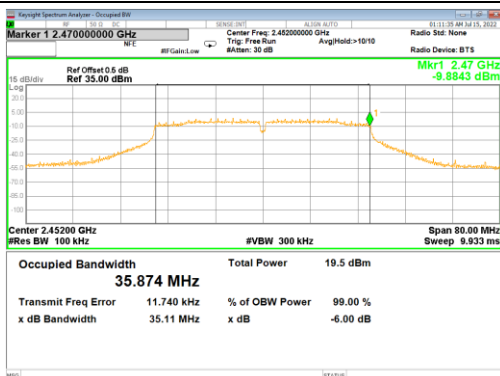
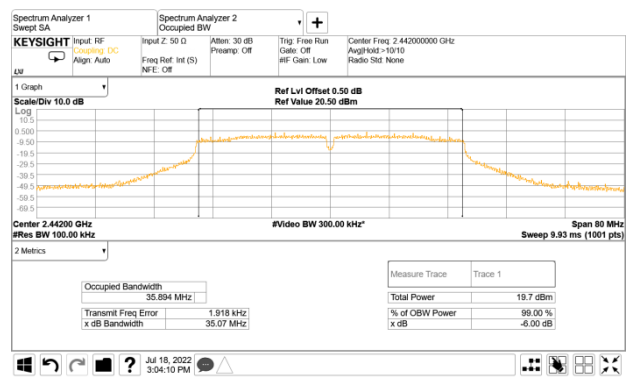
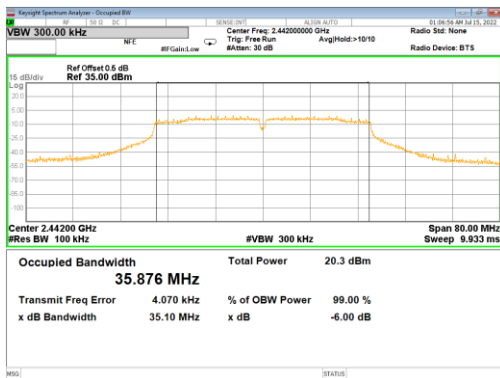
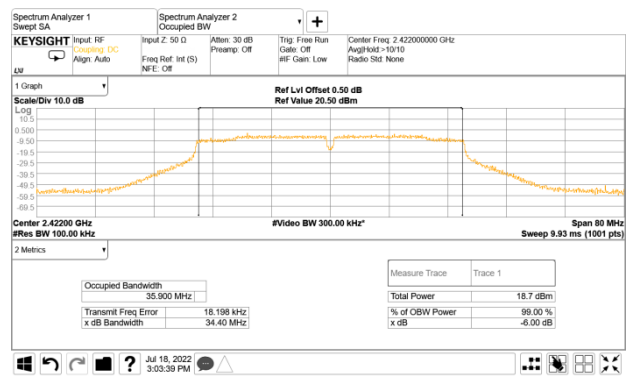


802.11n-HT40

AUX



Main

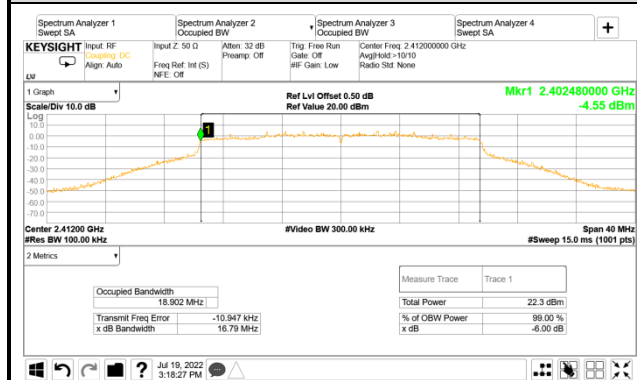


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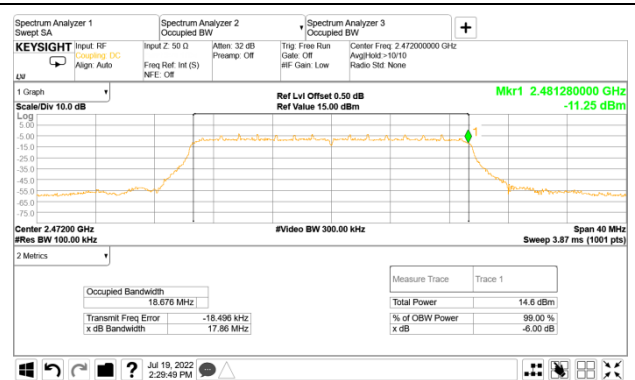
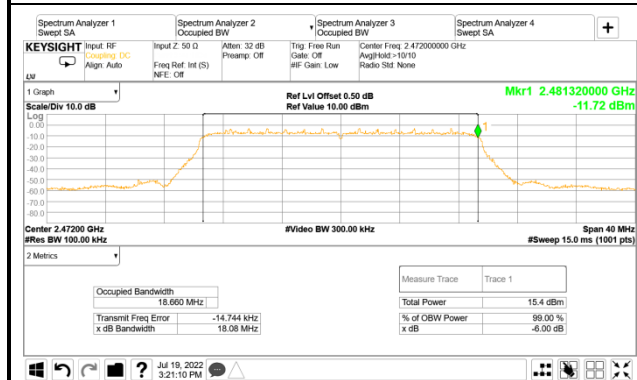
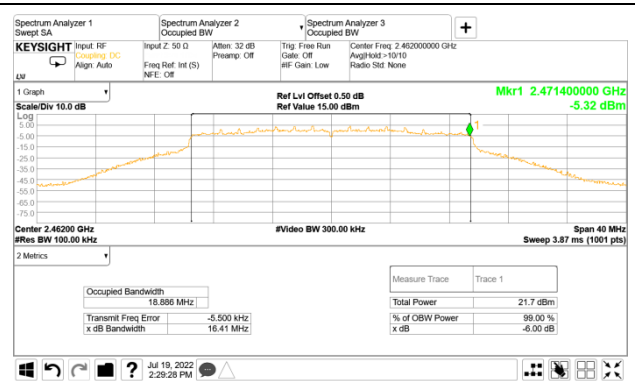
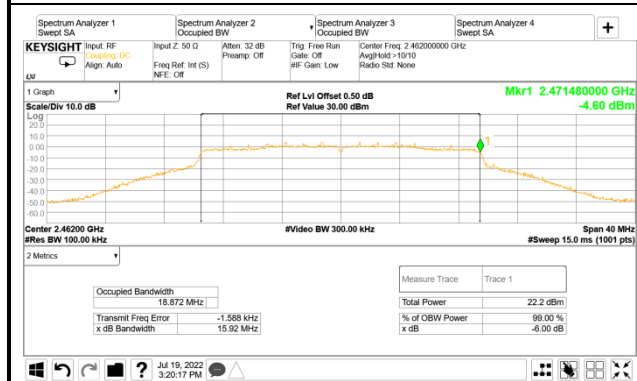
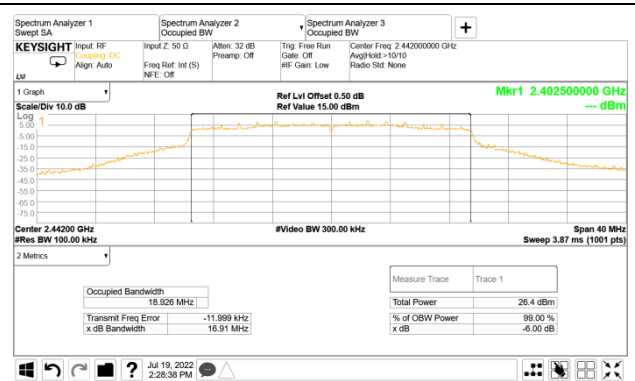
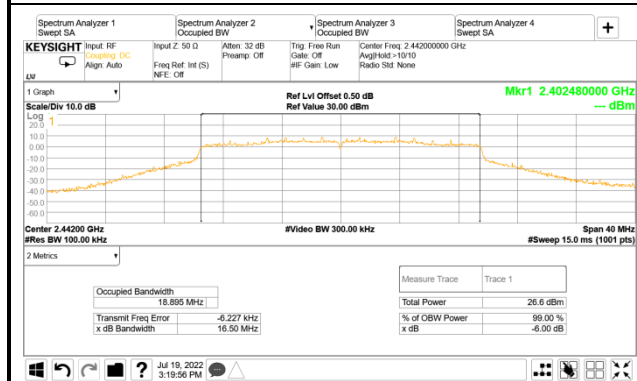
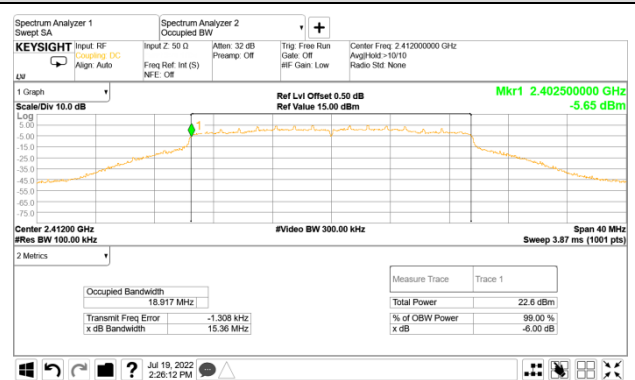
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802.11ax-HE20

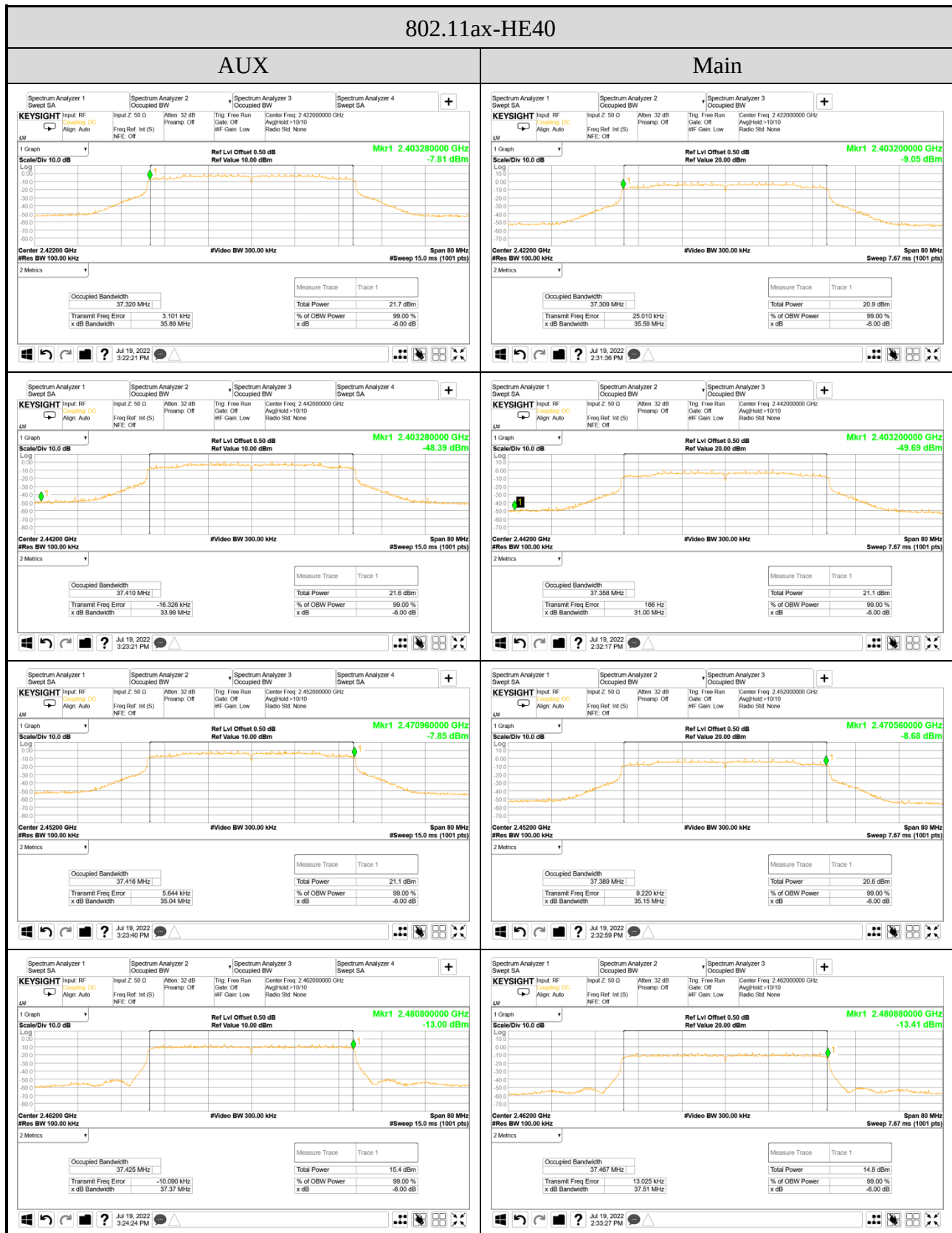
AUX



Main



802.11ax-HE40



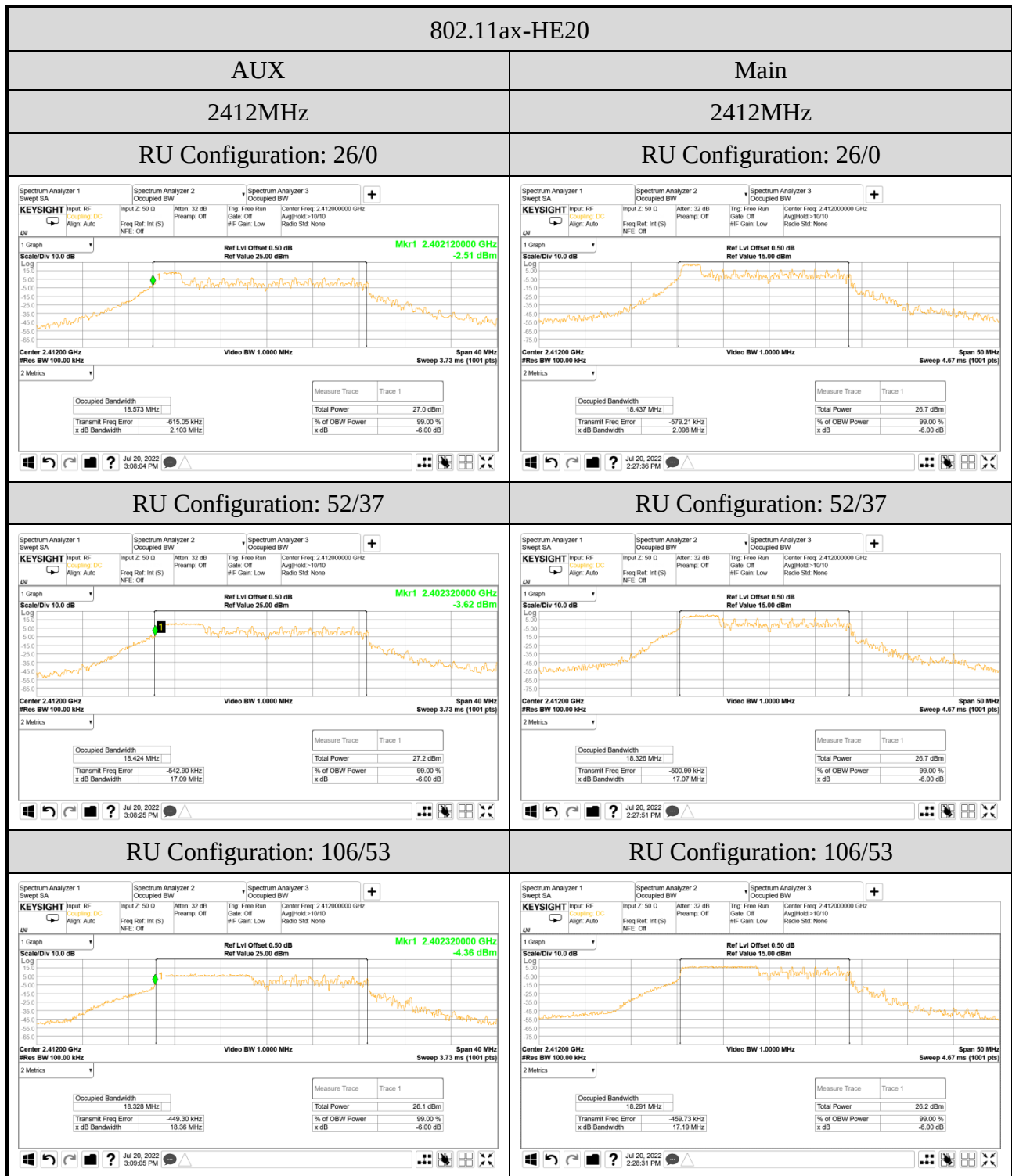
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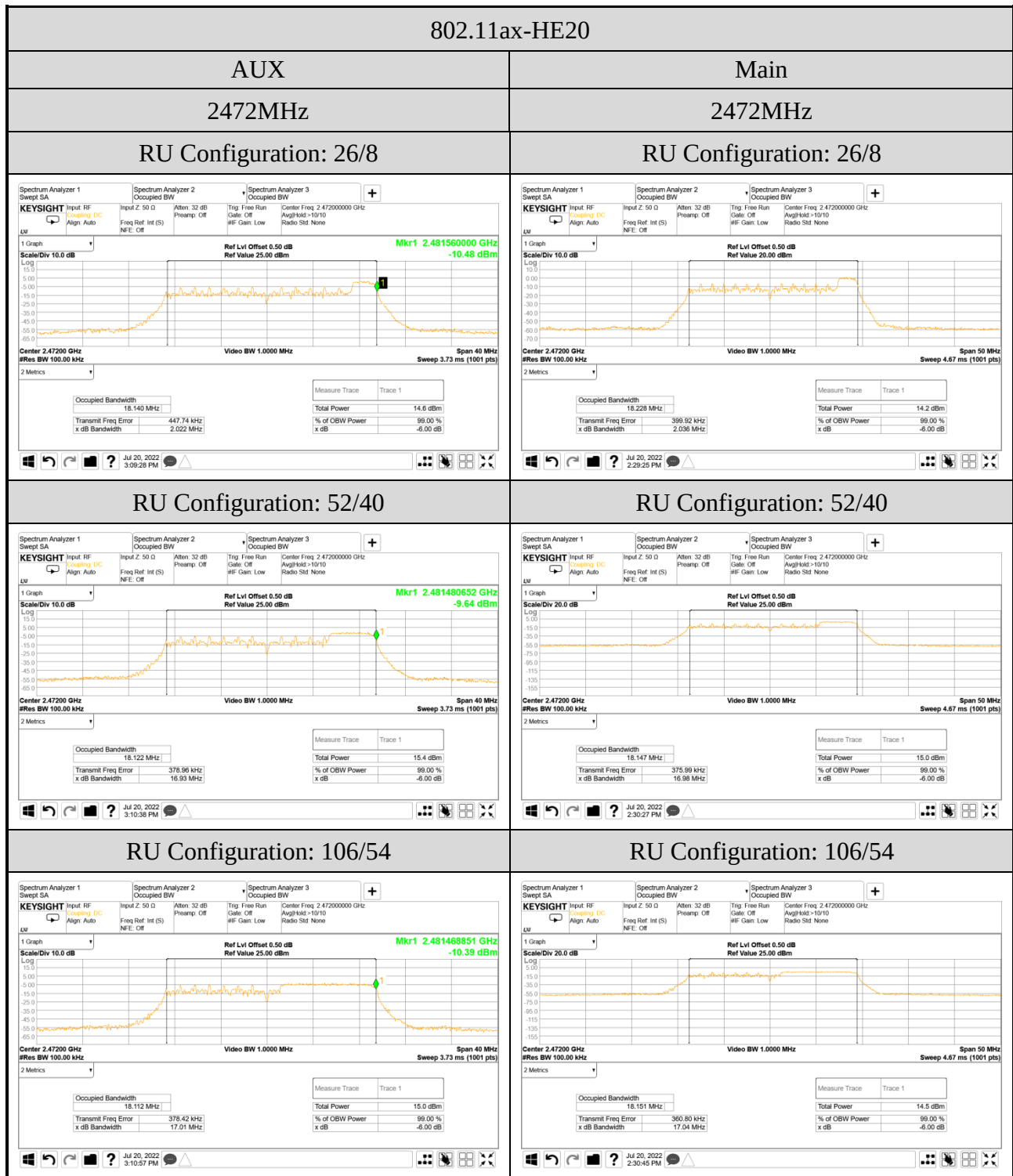
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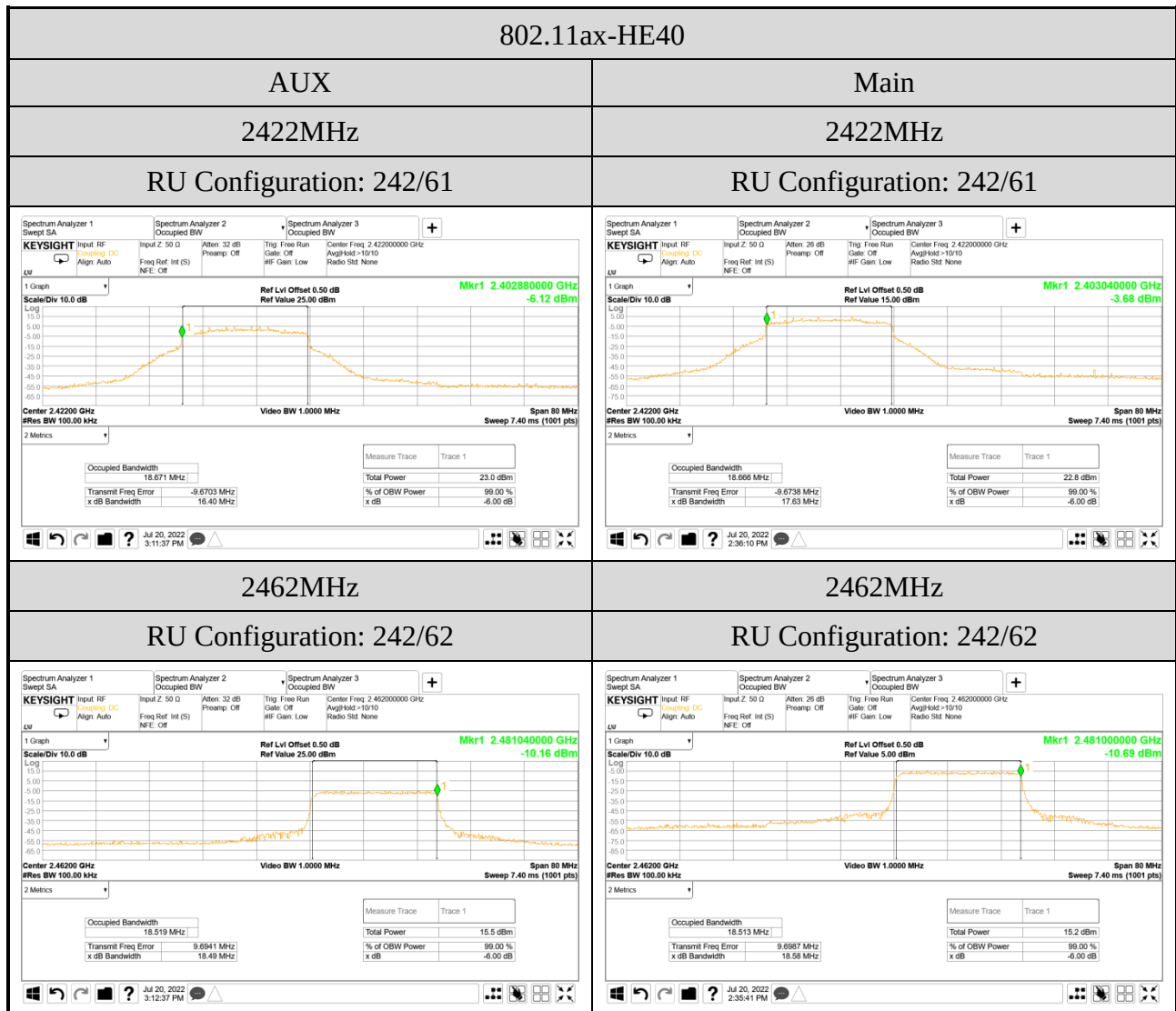
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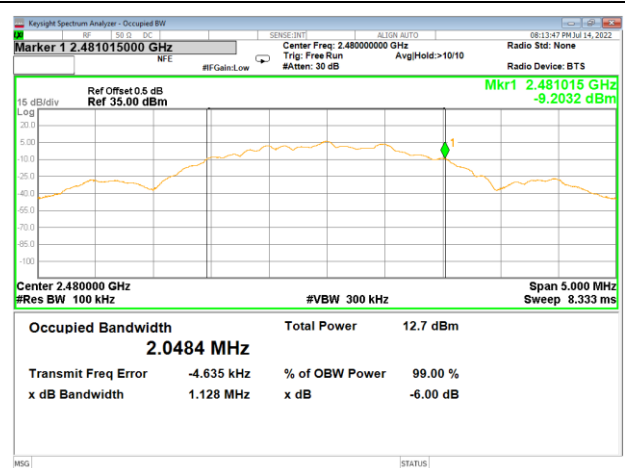
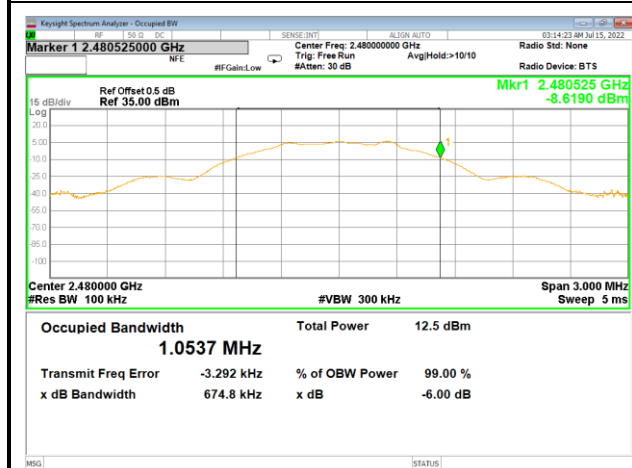
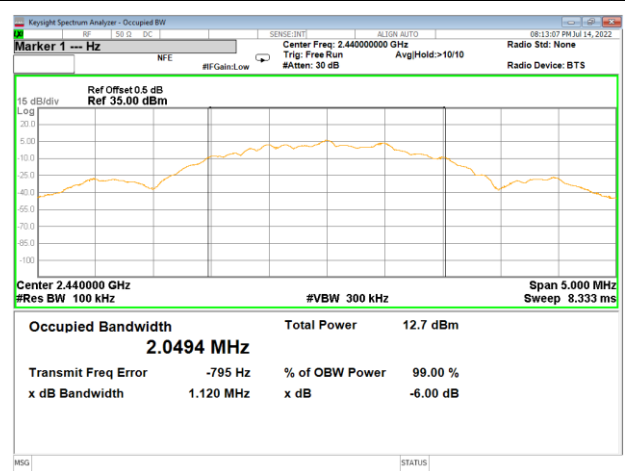
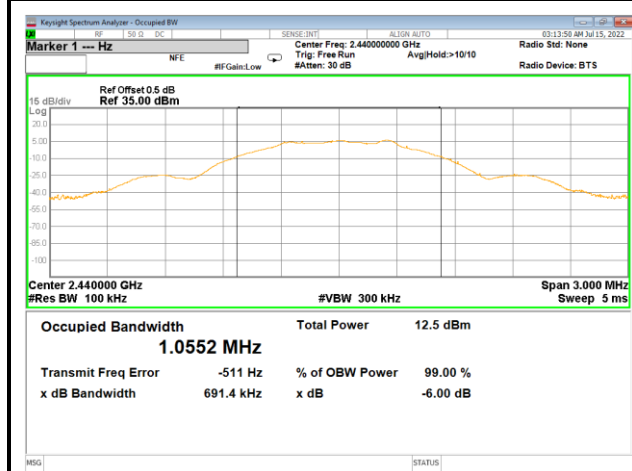
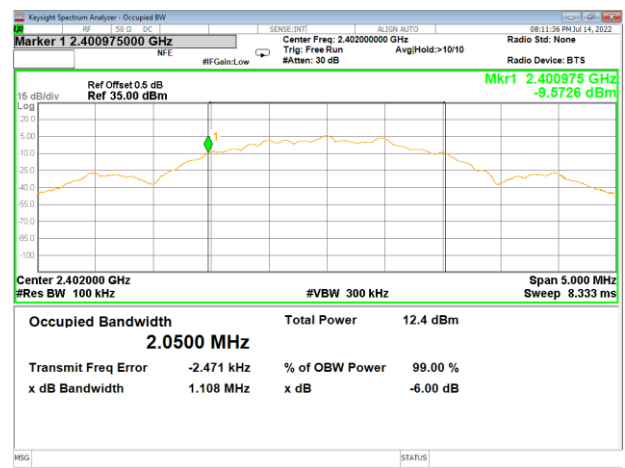
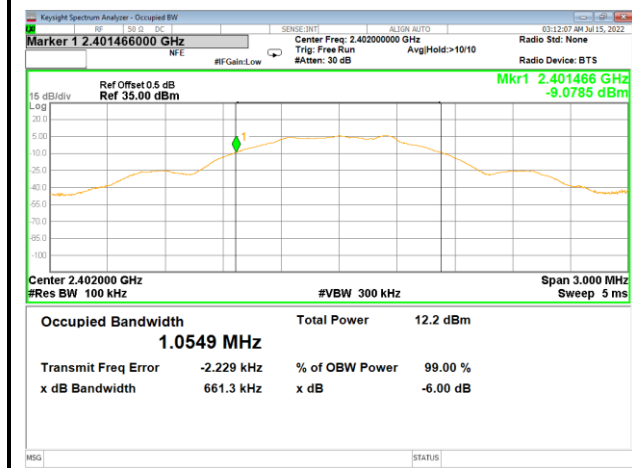
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BLE

1Mbps

2Mbps

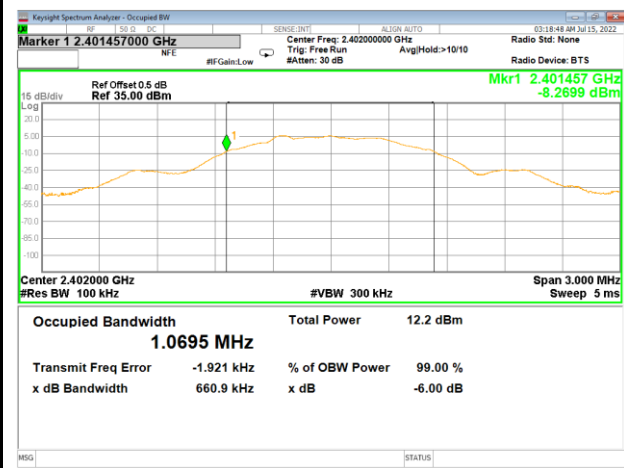


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BLE

PHY Coded S2



PHY Coded S8

