Audix Technology Corp.
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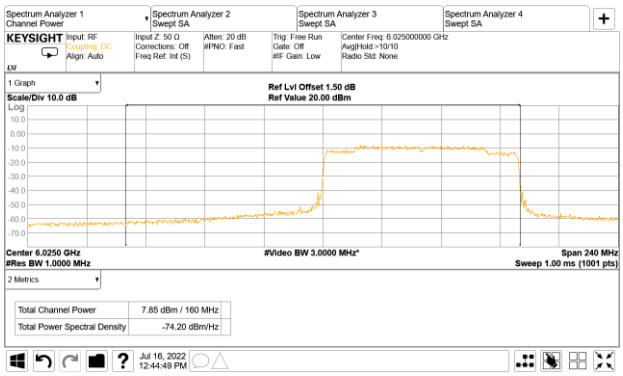
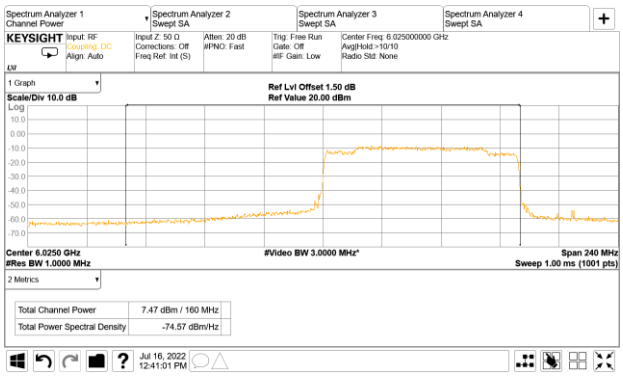
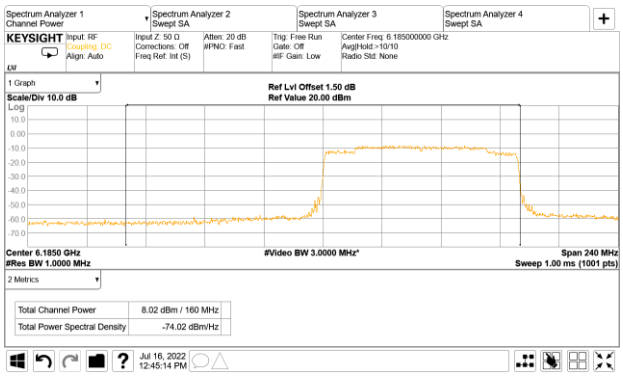
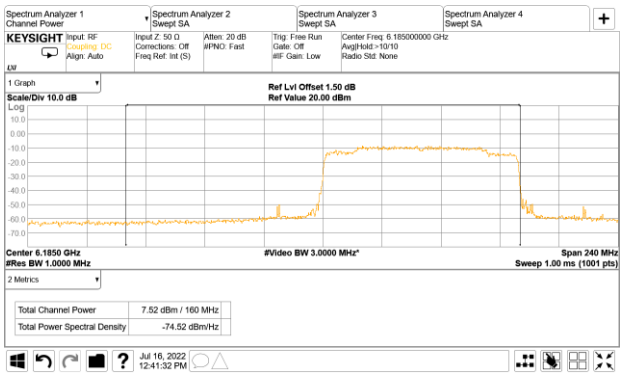
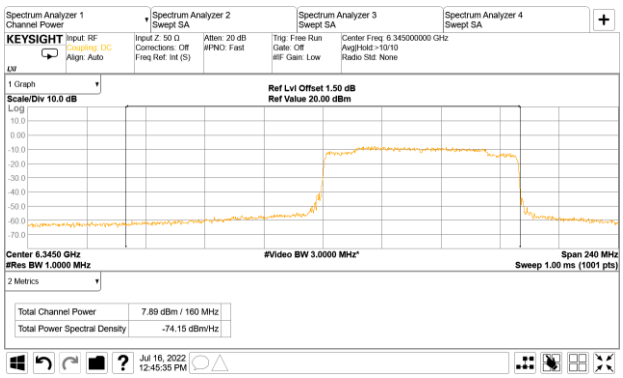
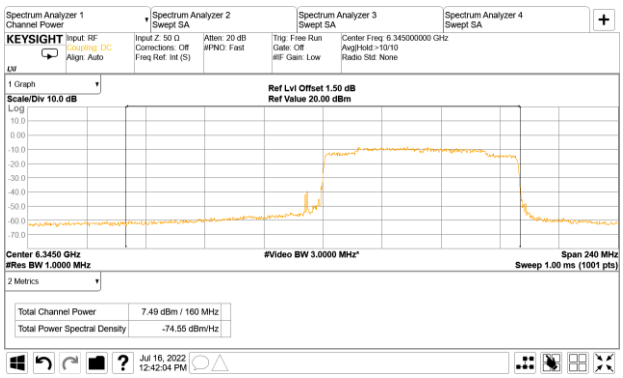
Tel: +886 2 26099301
Fax: +886 2 26099303

Tones: 996T	
802.11ax-HE160 (80H)	
U-NII Band 5	
AUX	Main
	
	
	

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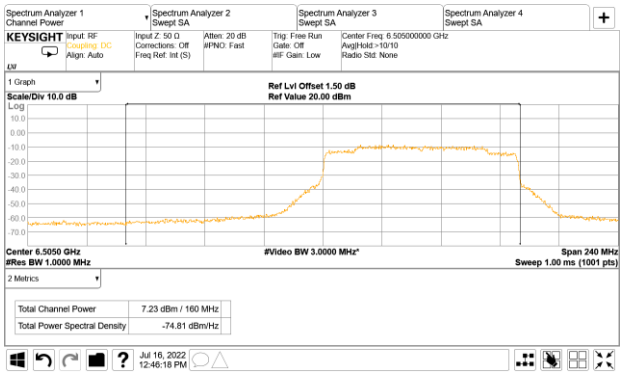
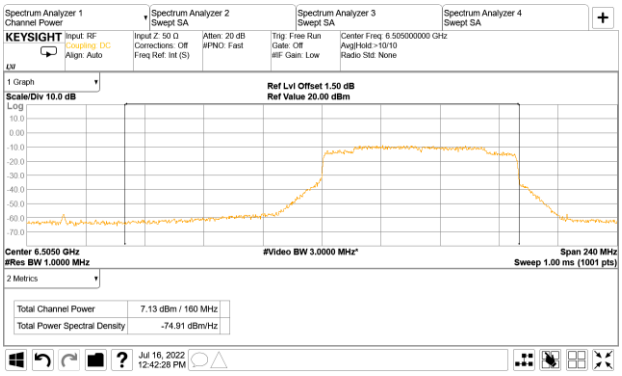
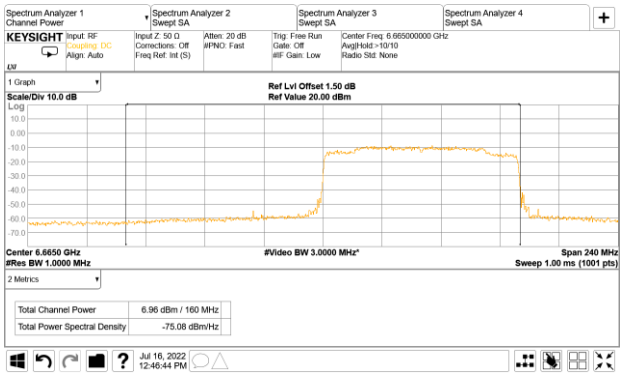
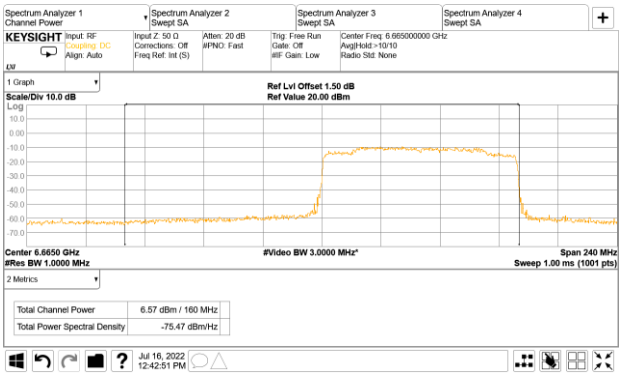
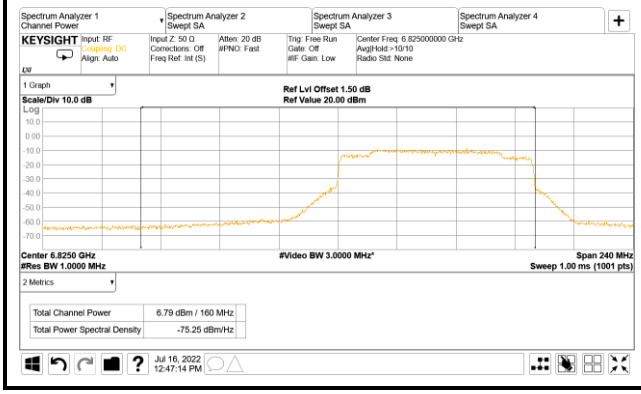
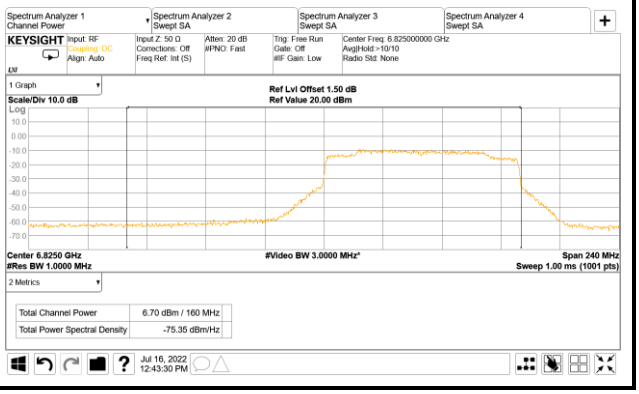
Tones: 996T	
802.11ax-HE160 (80H)	
U-NII Band 6	
AUX	Main
	
U-NII Band 7	
AUX	Main
	
	

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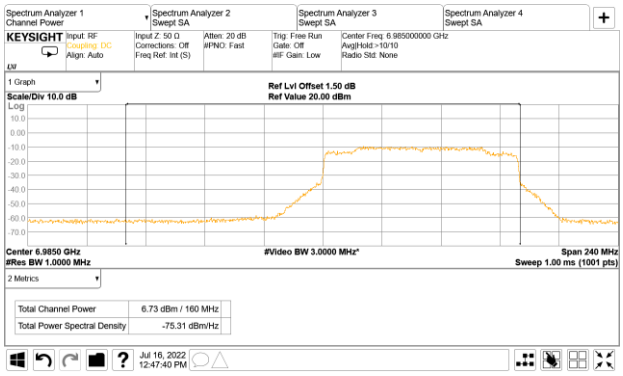
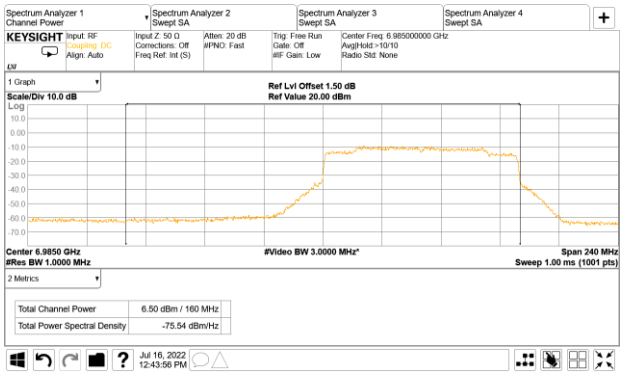
Tones: 996T	
802.11ax-HE160 (80H)	
U-NII Band 8	
AUX	Main
	

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A.5 EMISSION/OCCUPIED BANDWIDTH

Test Date	2022/07/14 ~ 15	Temp./Hum.	24 ~ 26℃/48 ~ 49%
Cable Loss	1.5dB	Tested By	Sam Chang
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

A.5.1 Emission/Occupied Bandwidth Result

- OFDM Modulation

Mode	U-NII Band	Centre Frequency (MHz)	Bandwidth (MHz)				Limit
			AUX		Main		
			26dB	Occupied (99%)	26dB	Occupied (99%)	
802.11ax-HE20	5	5955	23.59	19.044	23.09	18.978	≤320MHz
		6175	23.30	19.029	23.31	19.017	
		6415	23.60	19.018	23.39	18.996	
	6	6435	23.97	19.005	22.94	19.010	
		6475	23.33	19.036	23.80	19.034	
		6515	23.77	19.042	23.90	18.996	
	7	6535	24.27	19.055	23.23	19.001	
		6695	23.97	19.016	23.70	18.979	
		6855	23.74	19.030	23.50	19.016	
	8	6875	23.44	19.016	23.59	19.019	
		6995	23.26	19.040	22.52	19.033	
		7115	23.41	19.031	23.05	18.999	
802.11ax-HE40	5	5965	44.13	37.949	43.39	37.828	≤320MHz
		6165	43.59	37.894	43.90	37.856	
		6405	43.96	37.807	44.47	37.830	
	6	6445	42.78	37.860	44.92	37.873	
		6485	44.91	37.744	43.54	37.850	
	7	6525	44.03	37.808	44.03	37.861	
		6685	43.49	37.874	43.89	37.783	
		6845	43.77	37.863	44.39	37.907	
	8	6885	44.06	37.782	43.70	37.800	
		7005	44.02	37.808	44.66	37.799	
		7085	44.33	37.872	44.26	37.916	
802.11ax-HE80	5	5985	80.99	76.685	81.19	76.444	≤320MHz
		6145	81.36	76.639	80.75	76.795	
		6385	80.88	76.562	80.53	76.608	
	6	6465	80.16	76.622	80.70	76.659	
		6545	80.98	76.527	82.06	76.533	
	7	6625	81.09	76.590	80.94	76.615	
		6705	80.88	76.626	81.05	76.624	
		6785	81.90	76.639	81.21	76.761	
	8	6865	80.75	76.674	80.19	76.585	
		6945	81.23	76.563	81.90	76.494	
		7025	81.32	76.681	81.82	76.672	
802.11ax-HE160	5	6025	161.70	154.54	161.70	154.48	≤320MHz
		6185	161.80	154.66	161.60	154.62	
		6345	161.60	154.27	161.50	154.61	
	6	6505	161.70	154.49	161.70	154.67	
	7	6665	161.70	154.43	161.70	154.15	
		6825	161.60	154.64	161.70	154.61	
	8	6985	161.70	154.51	161.70	154.66	

Note: All results have been included cable loss.

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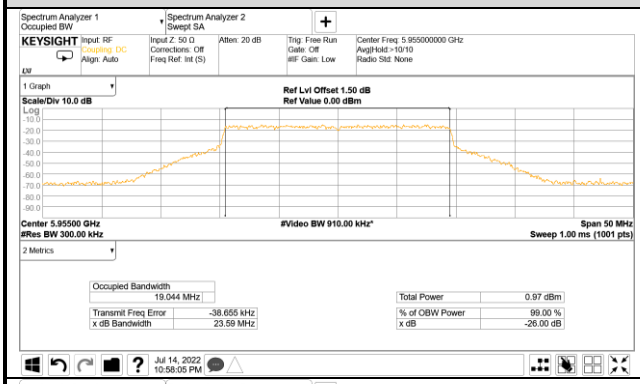
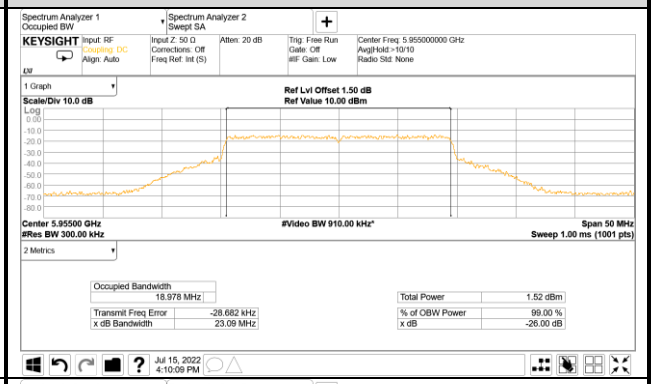
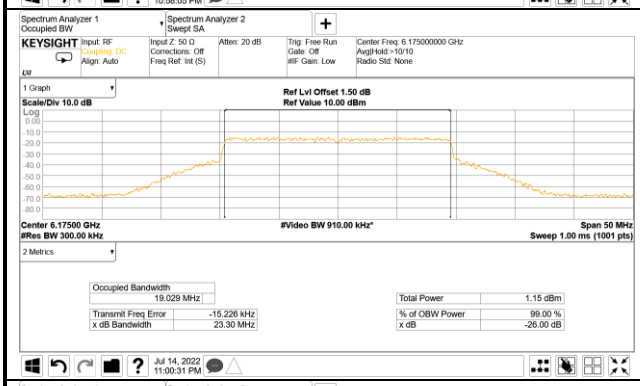
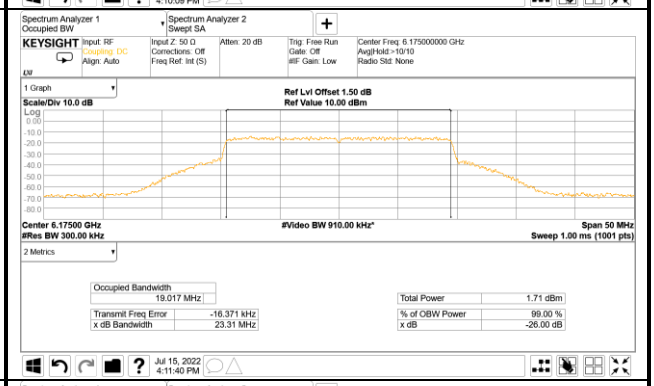
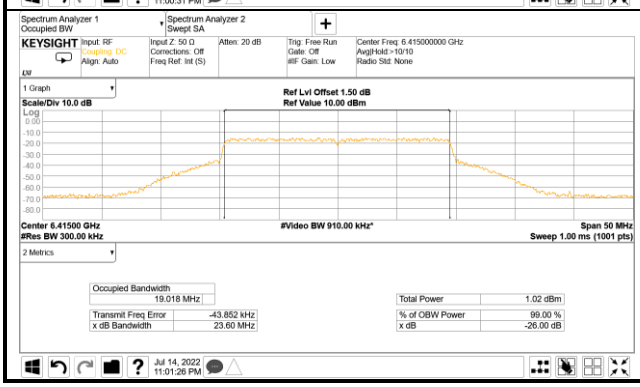
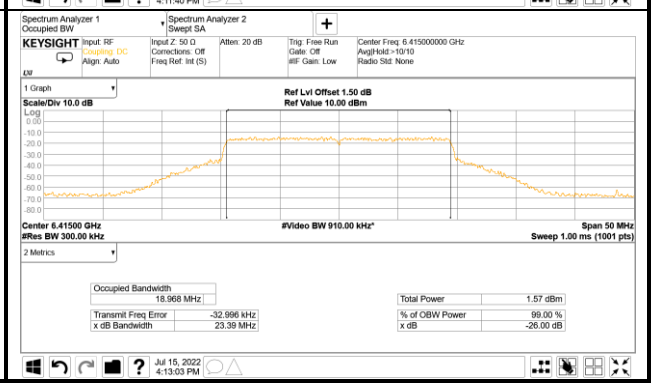
A.5.2 Measurement Plots

- OFDM Modulation

Mode: 802.11ax-HE20	
AUX	Main
U-NII Band 5	U-NII Band 5
	
	
	

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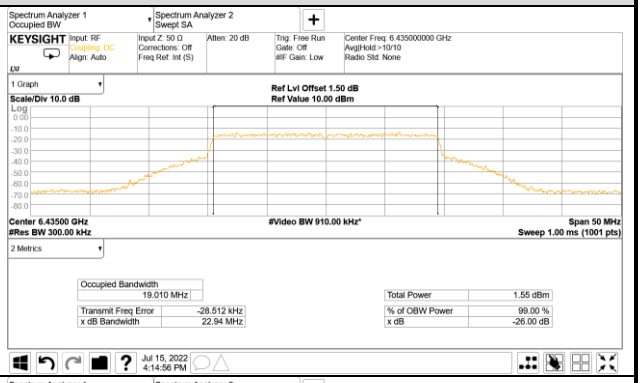
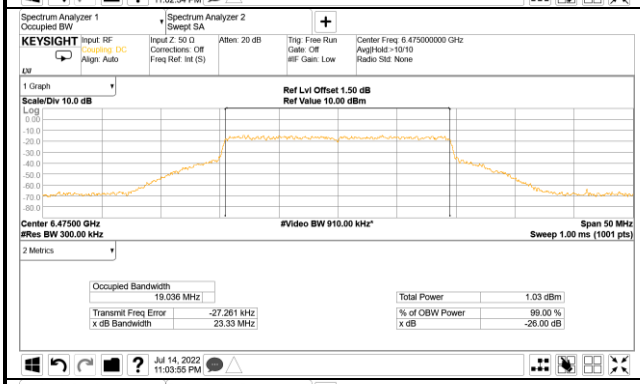
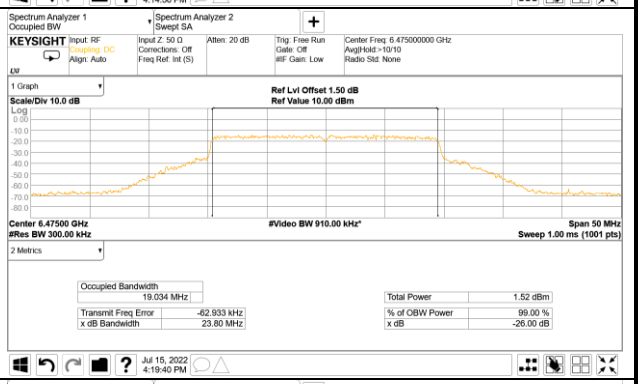
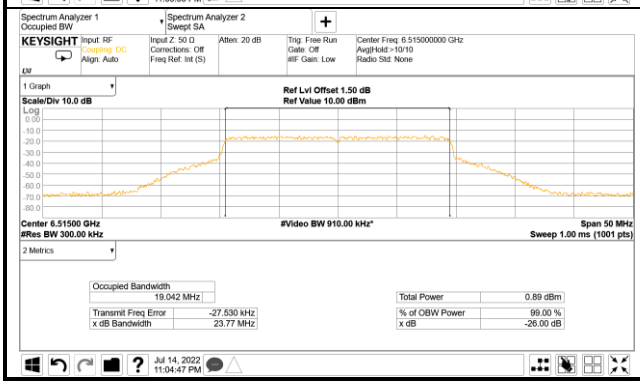
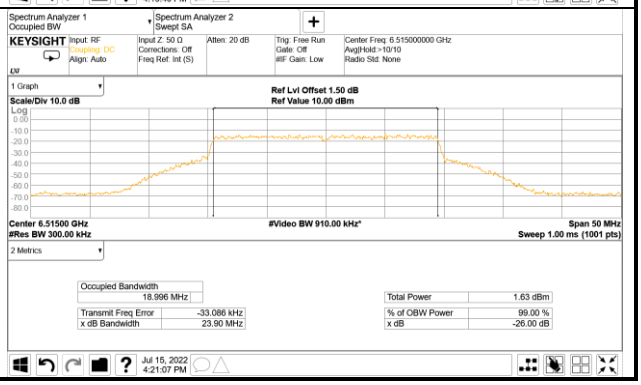
Mode: 802.11ax-HE20	
AUX	Main
U-NII Band 6	U-NII Band 6
	
	
	

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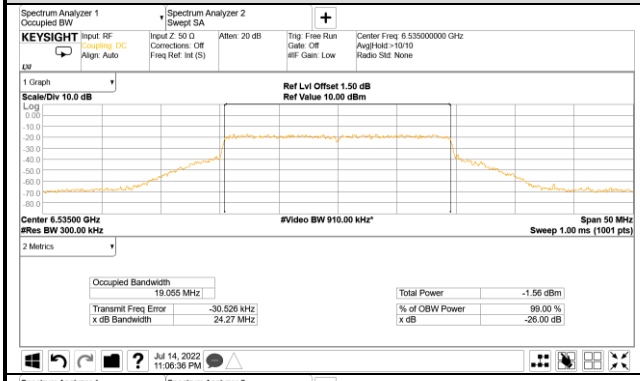
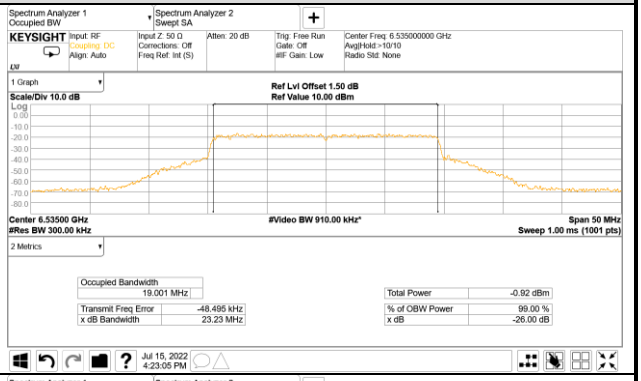
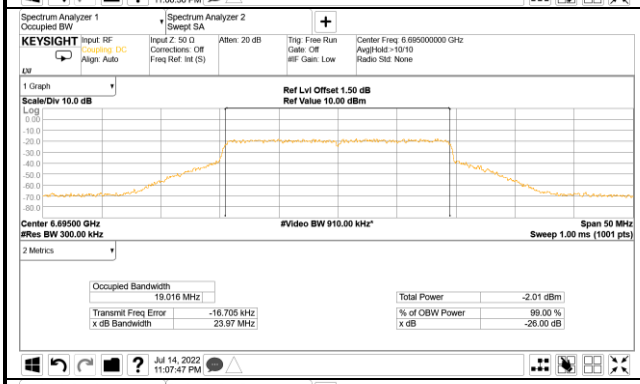
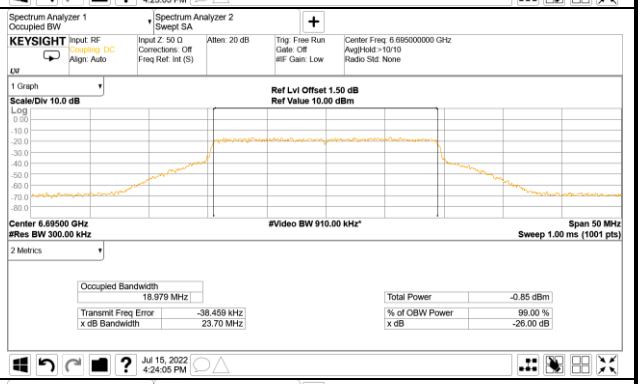
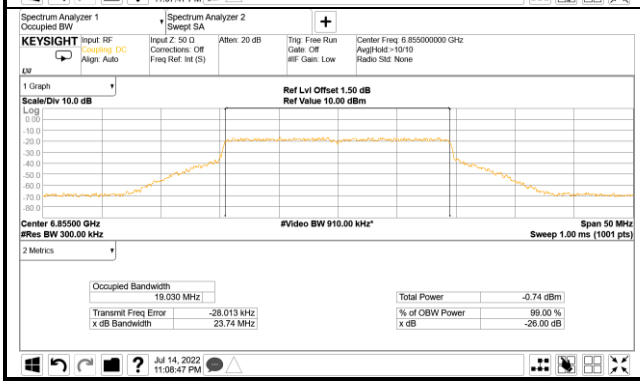
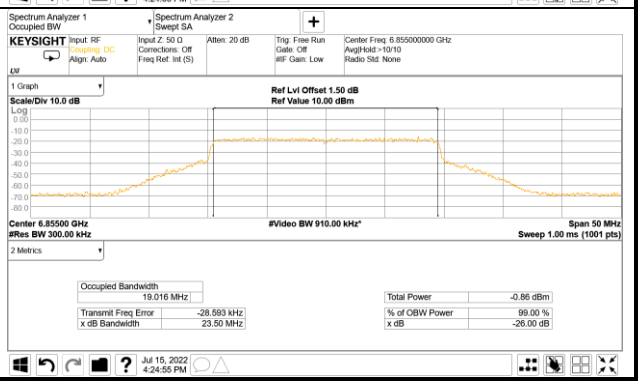
Mode: 802.11ax-HE20	
AUX	Main
U-NII Band 7	U-NII Band 7
	
	
	

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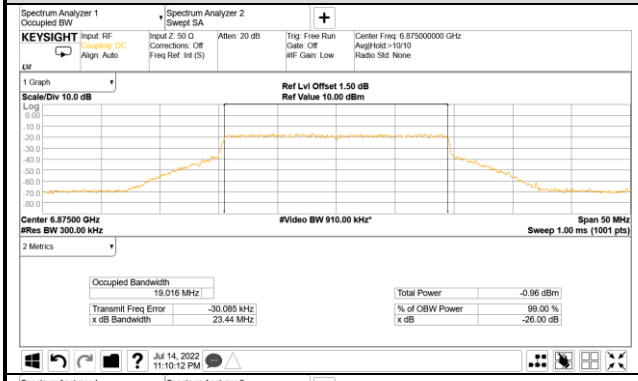
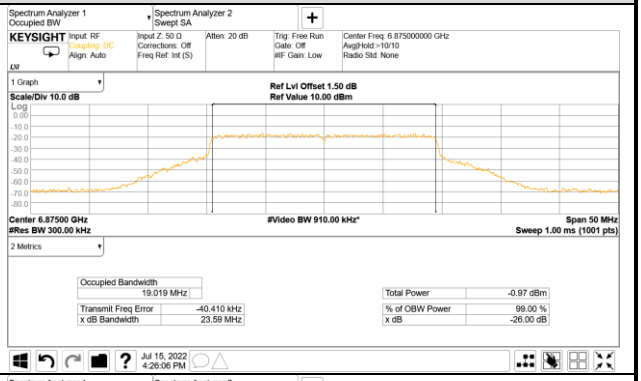
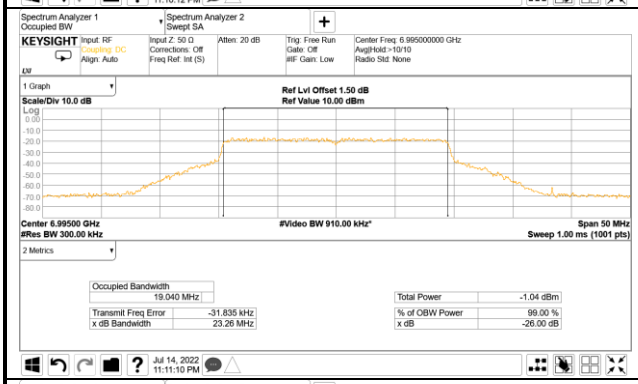
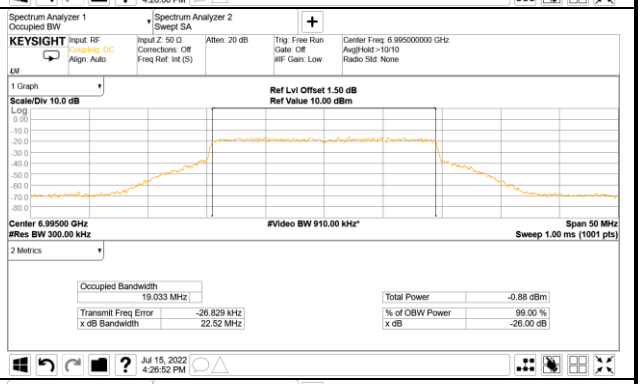
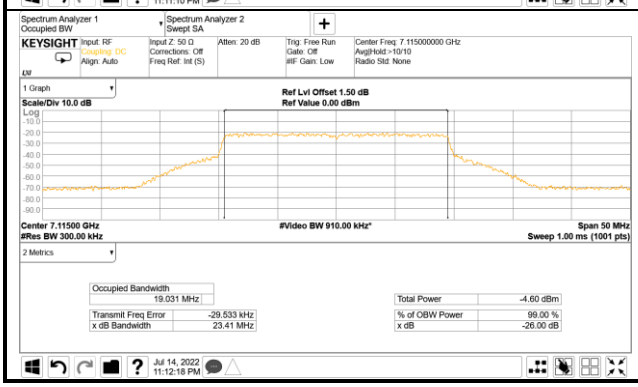
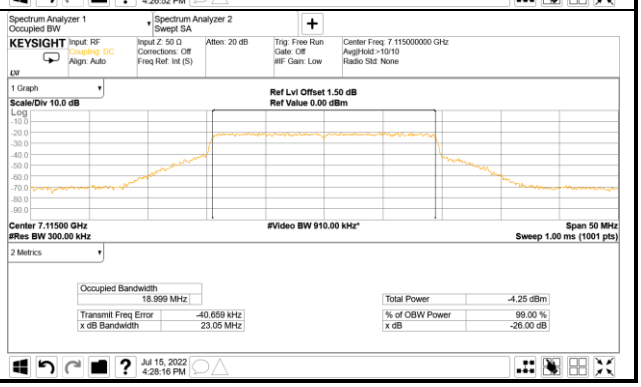
Mode: 802.11ax-HE20	
AUX	Main
U-NII Band 8	U-NII Band 8
	
	
	

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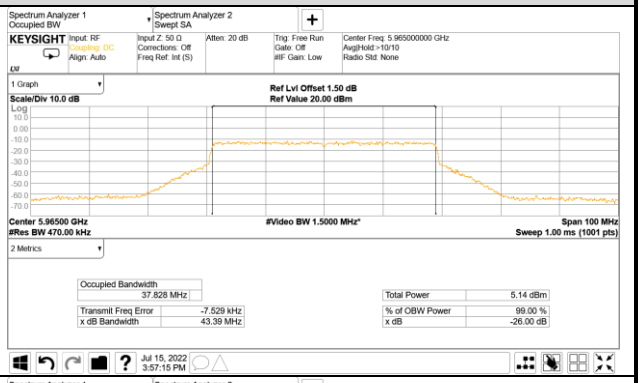
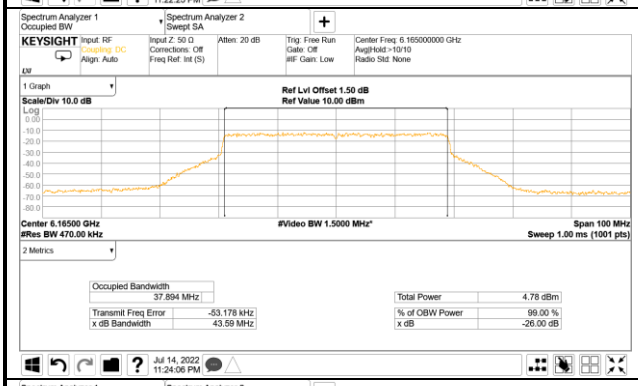
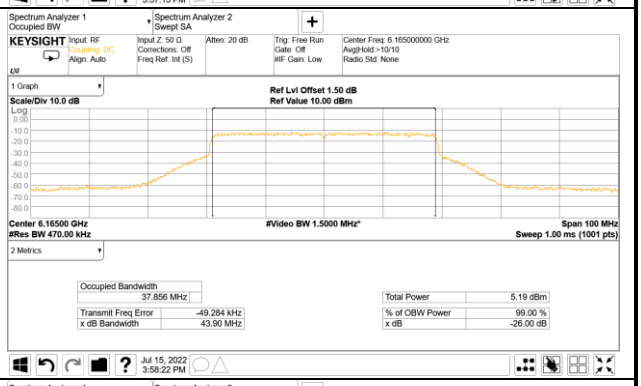
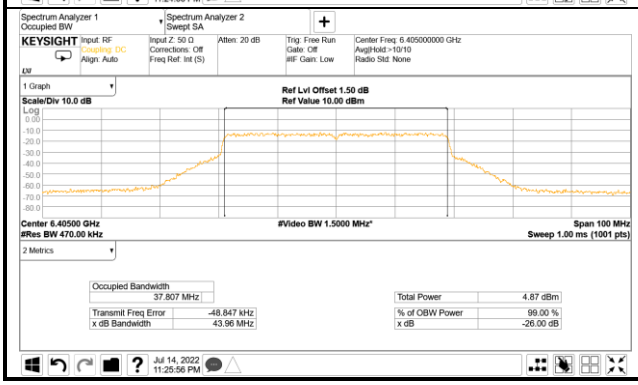
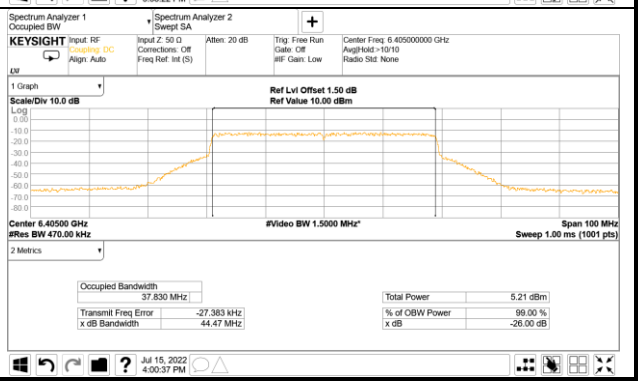
Mode: 802.11ax-HE40	
AUX	Main
U-NII Band 5	U-NII Band 5
	
	
	

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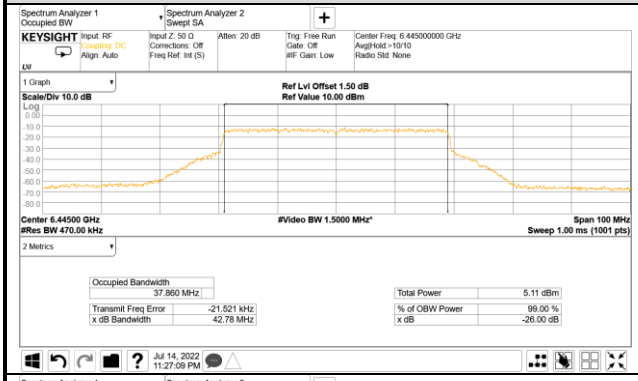
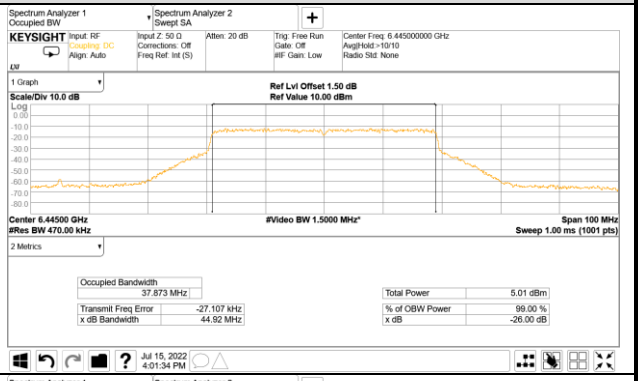
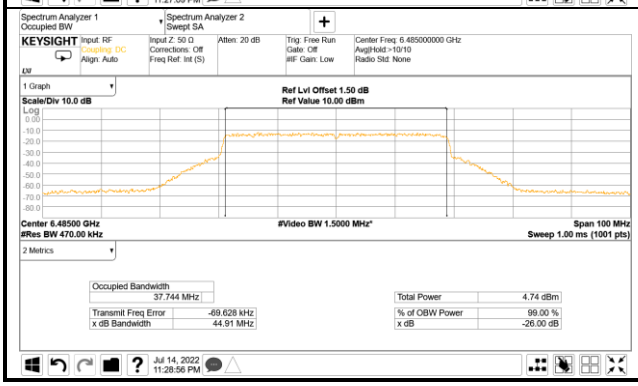
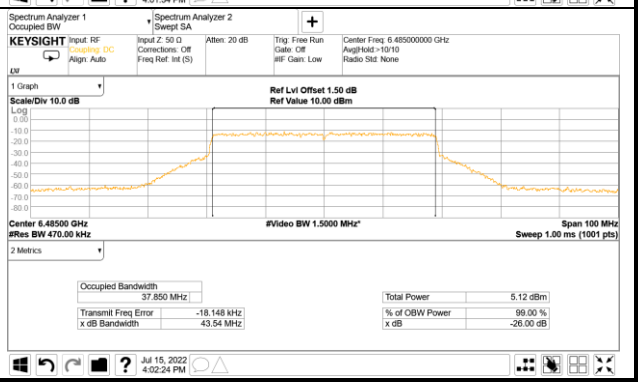
Mode: 802.11ax-HE40	
AUX	Main
U-NII Band 6	U-NII Band 6
	
	

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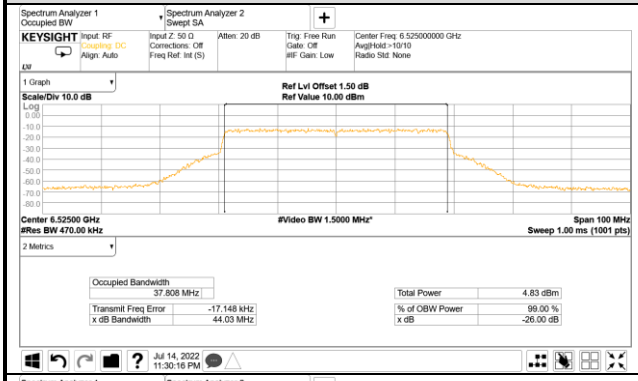
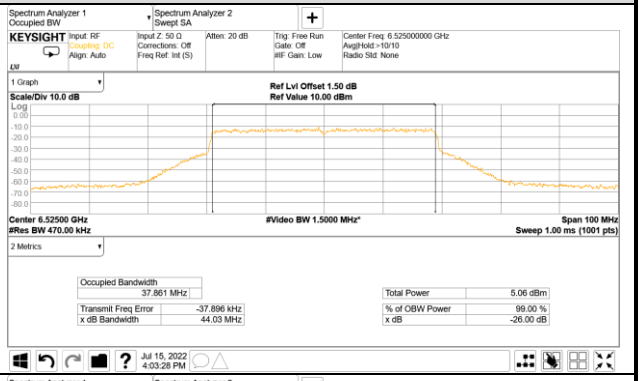
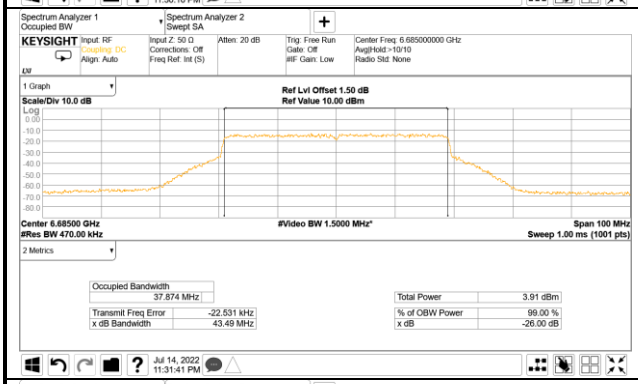
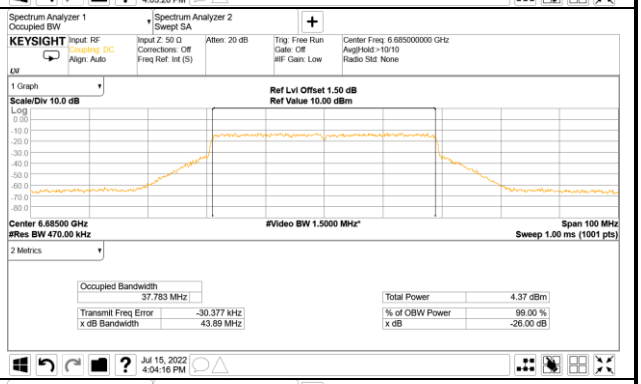
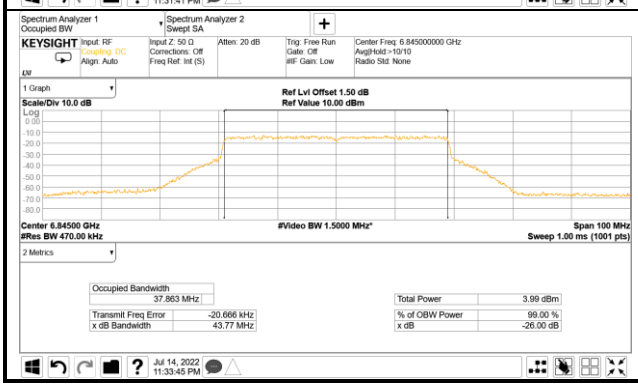
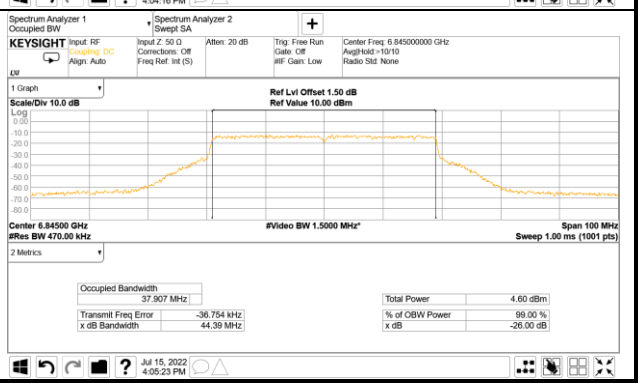
Mode: 802.11ax-HE40	
AUX	Main
U-NII Band 7	U-NII Band 7
	
	
	

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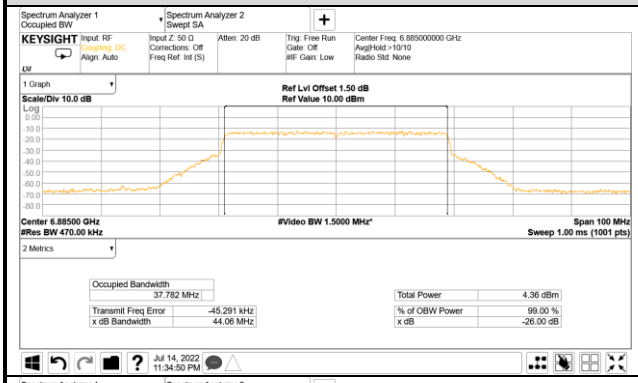
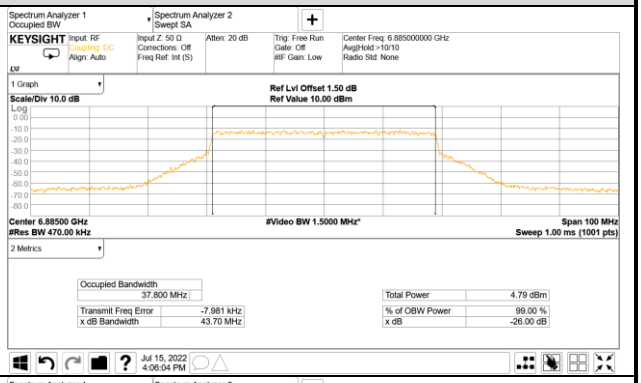
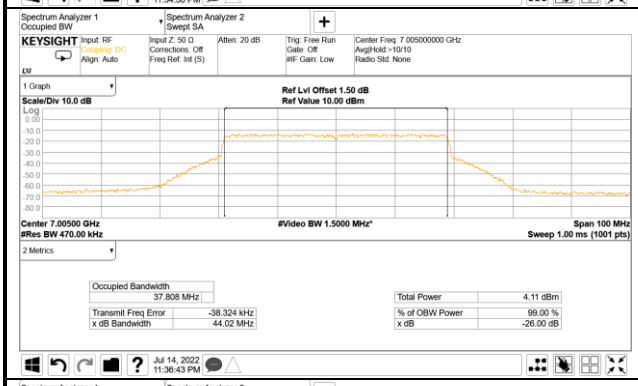
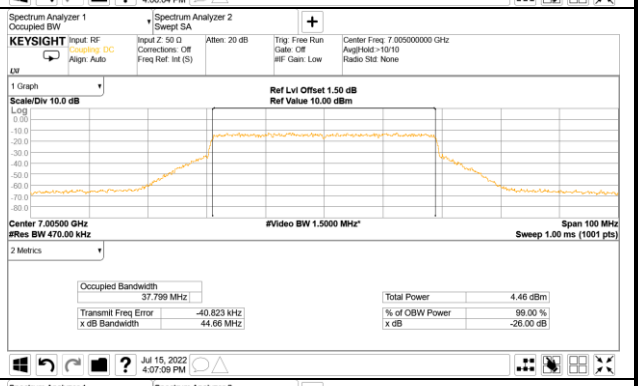
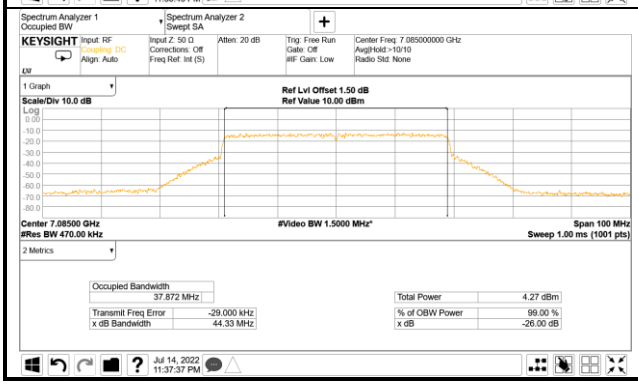
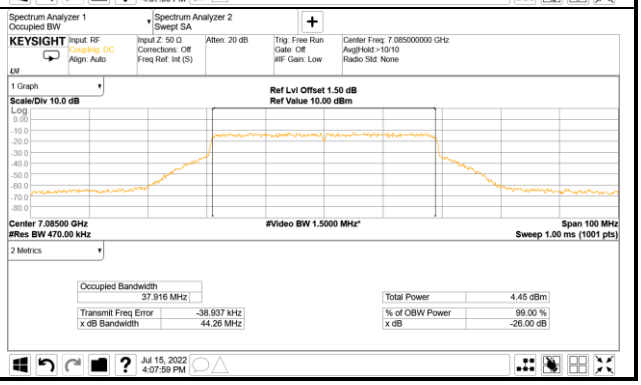
Mode: 802.11ax-HE40	
AUX	Main
U-NII Band 8	U-NII Band 8
	
	
	

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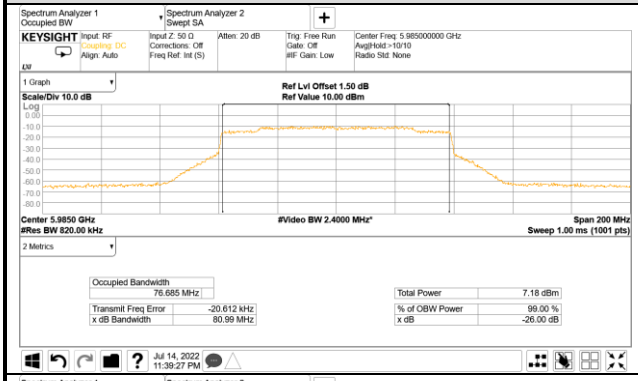
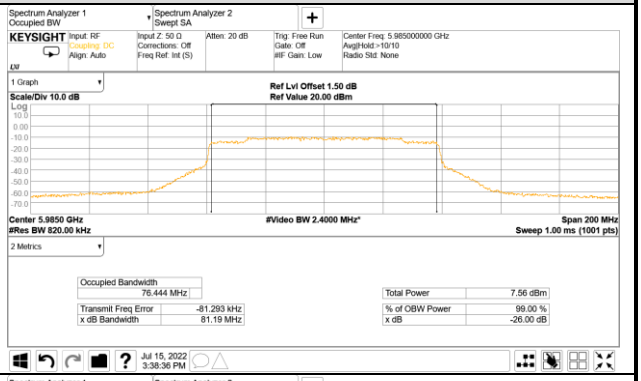
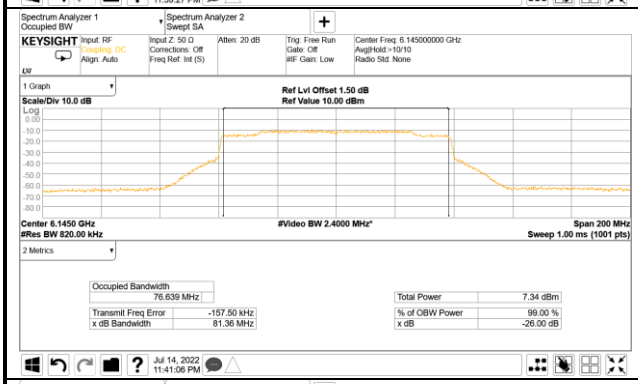
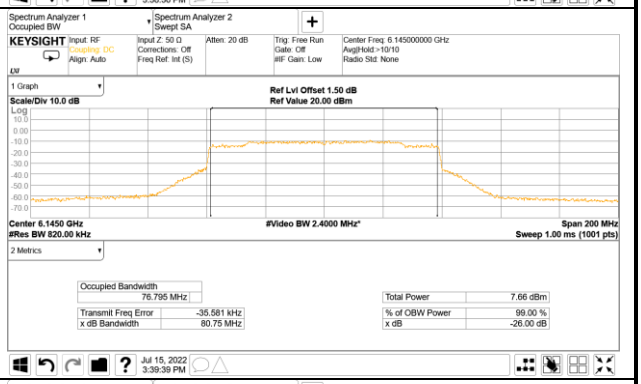
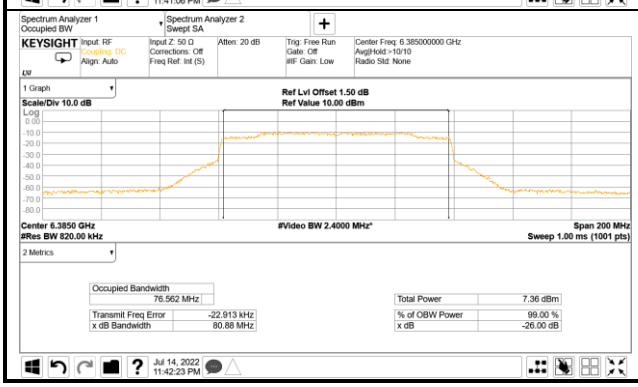
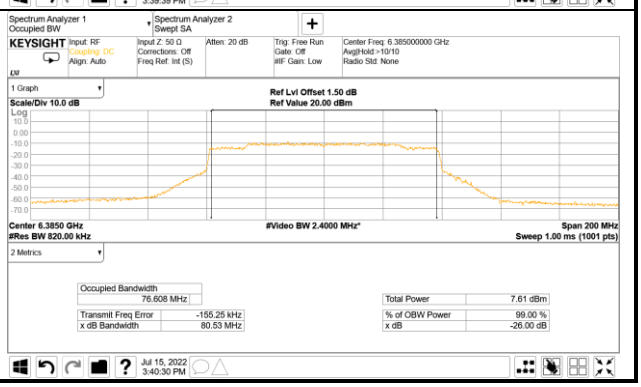
Mode: 802.11ax-HE80	
AUX	Main
U-NII Band 5	U-NII Band 5
	
	
	

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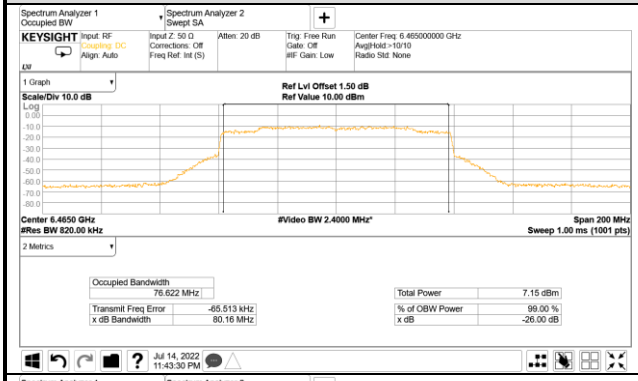
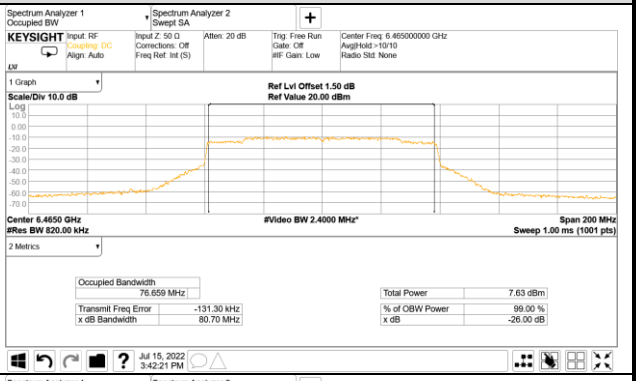
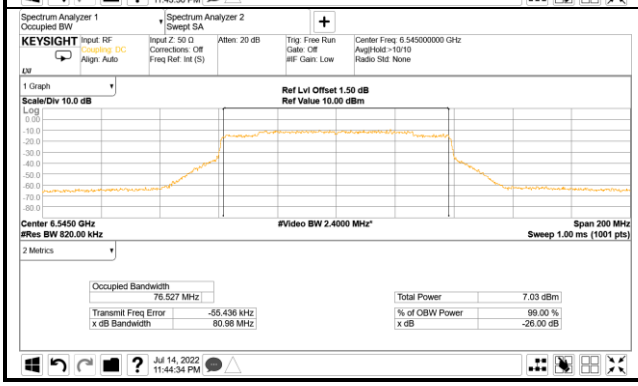
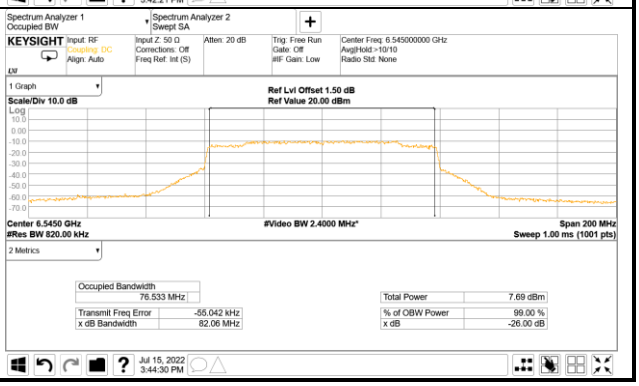
Mode: 802.11ax-HE80	
AUX	Main
U-NII Band 6	U-NII Band 6
	
	

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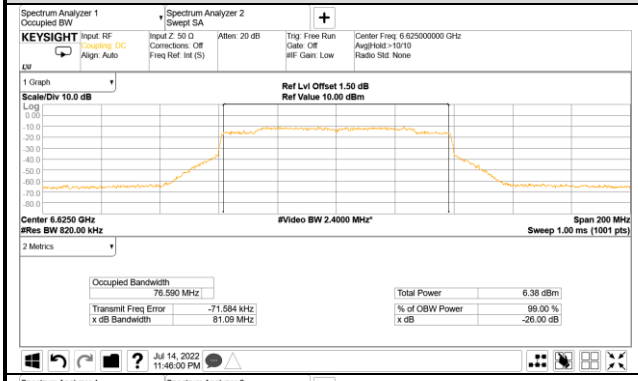
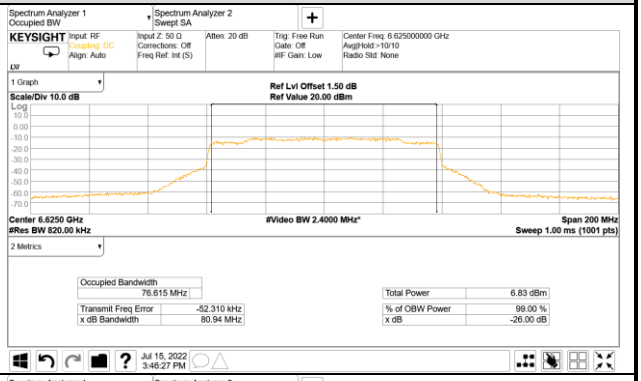
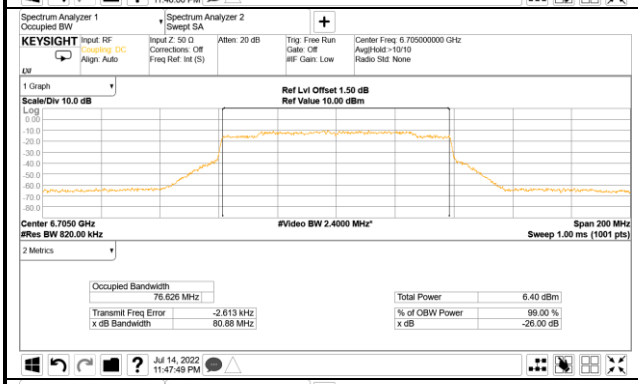
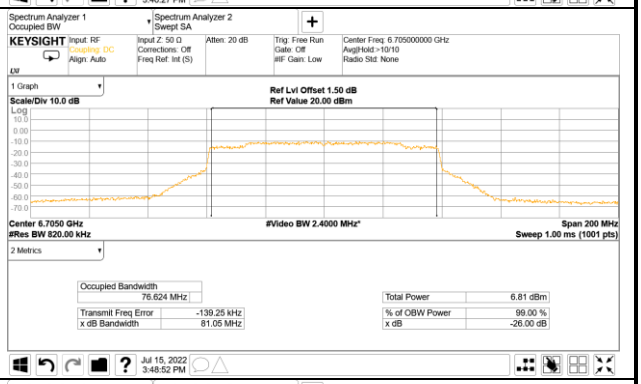
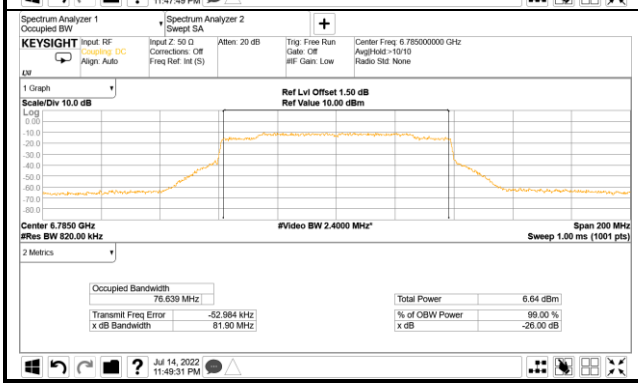
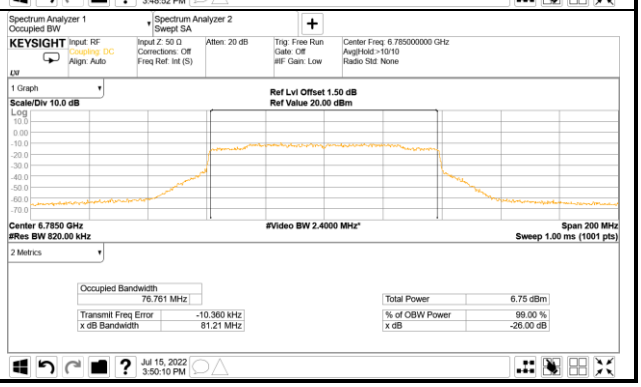
Mode: 802.11ax-HE80	
AUX	Main
U-NII Band 7	U-NII Band 7
	
	
	

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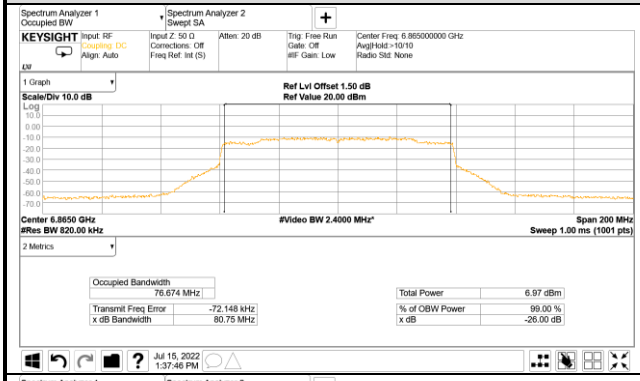
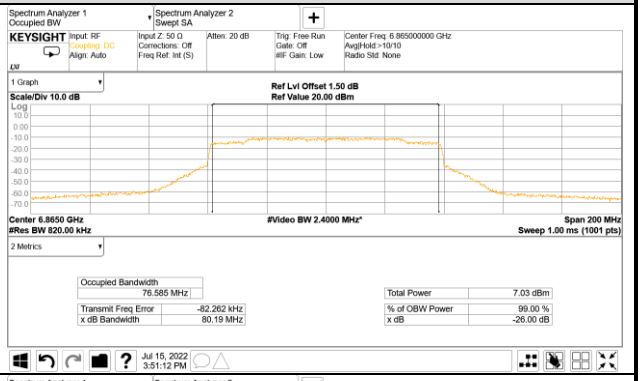
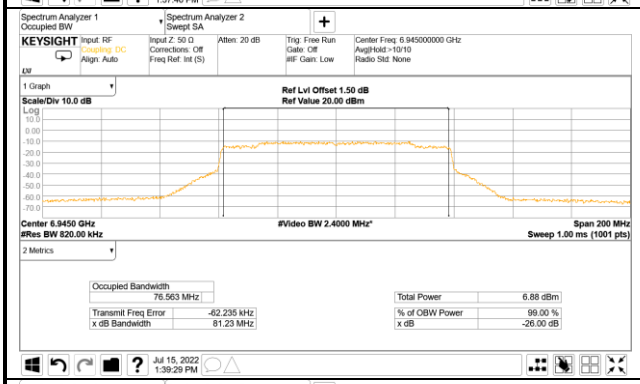
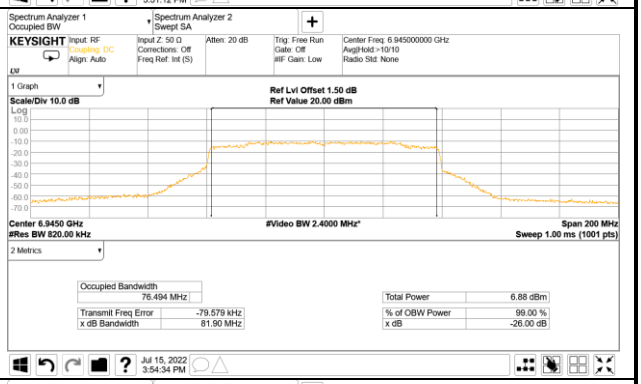
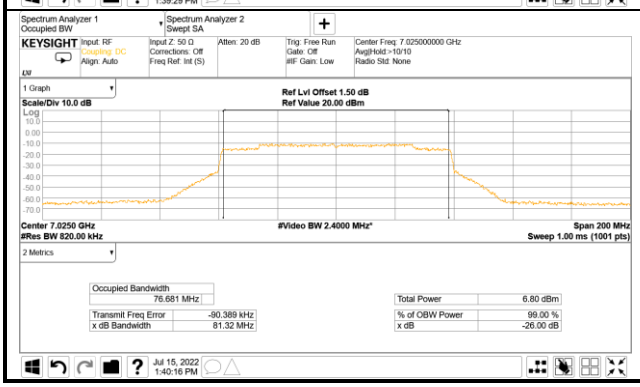
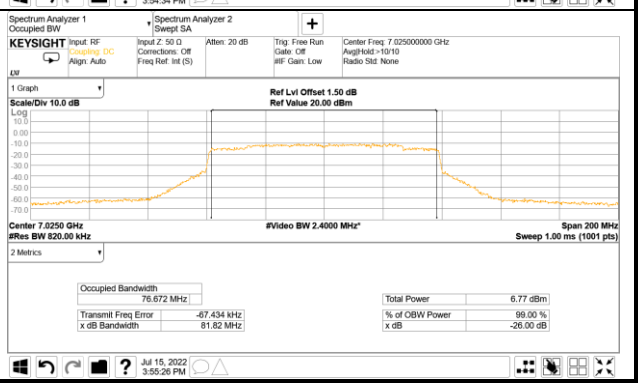
Mode: 802.11ax-HE80	
AUX	Main
U-NII Band 8	U-NII Band 8
	
	
	

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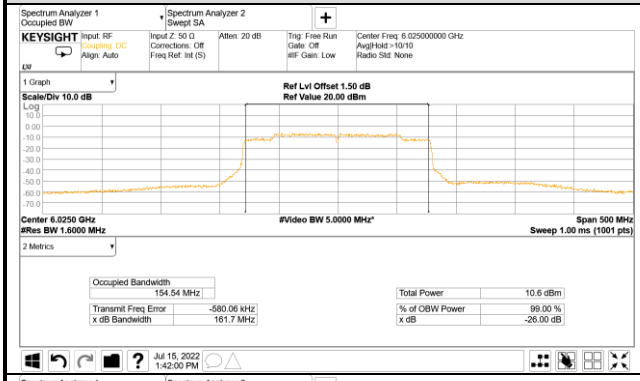
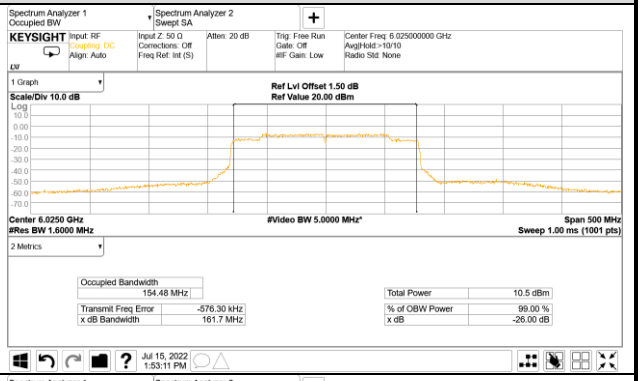
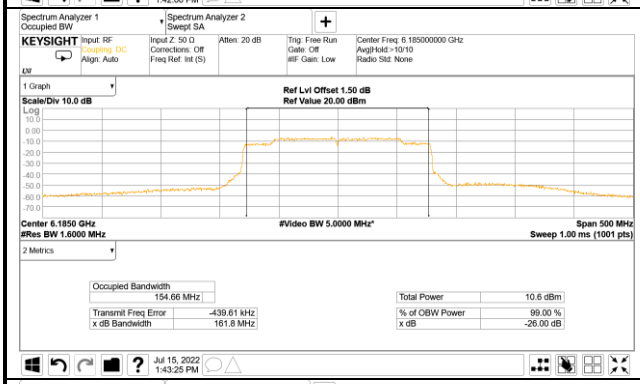
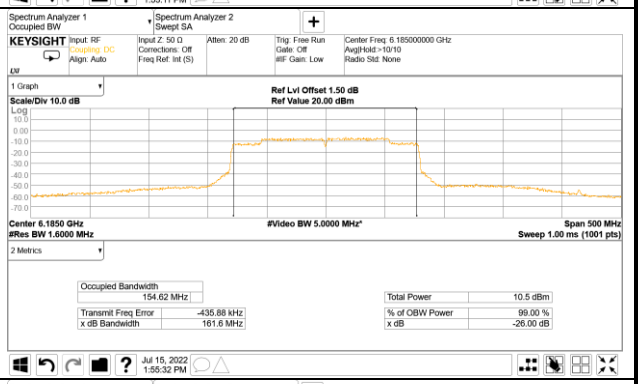
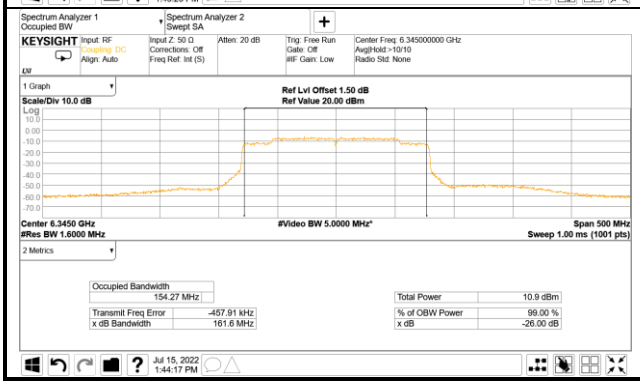
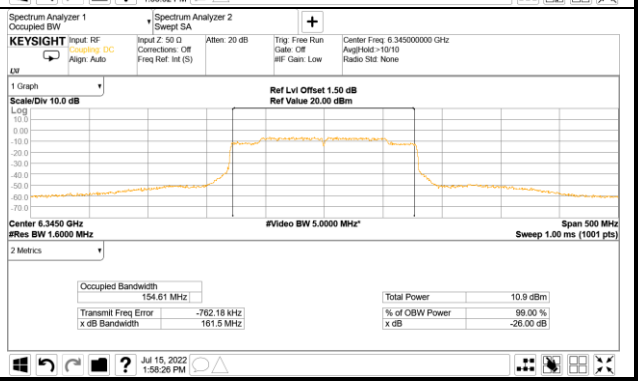
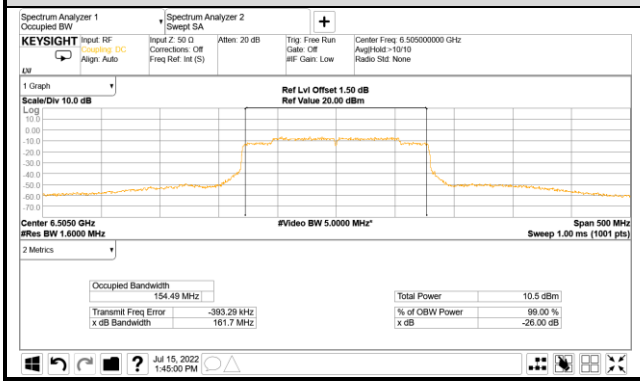
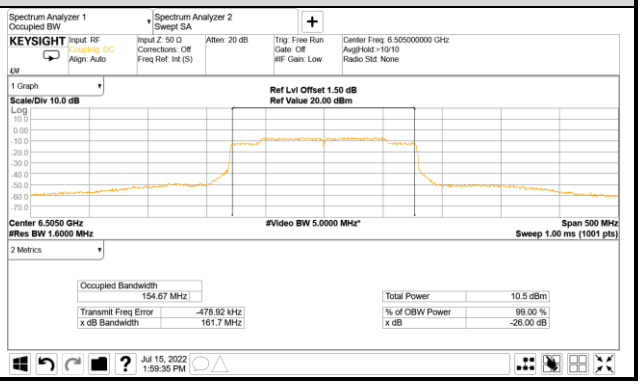
Mode: 802.11ax-HE160	
AUX	Main
U-NII Band 5	U-NII Band 5
	
	
	

Mode: 802.11ax-HE160	
AUX	Main
U-NII Band 6	U-NII Band 6
	

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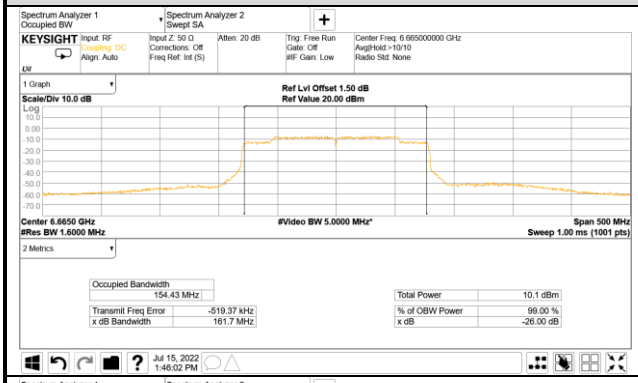
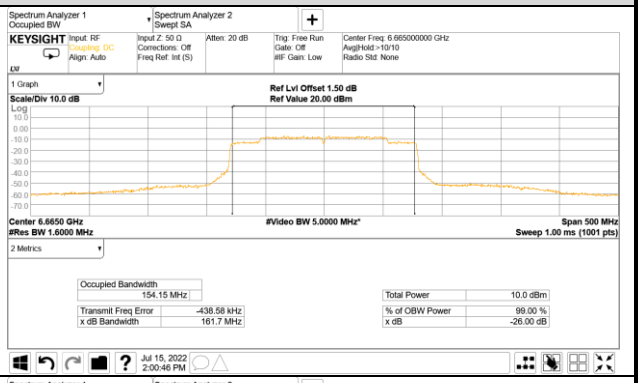
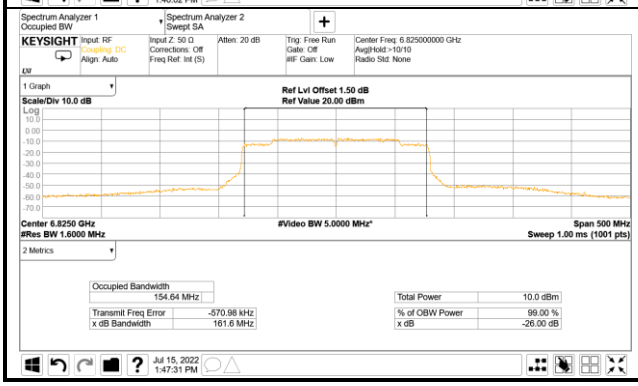
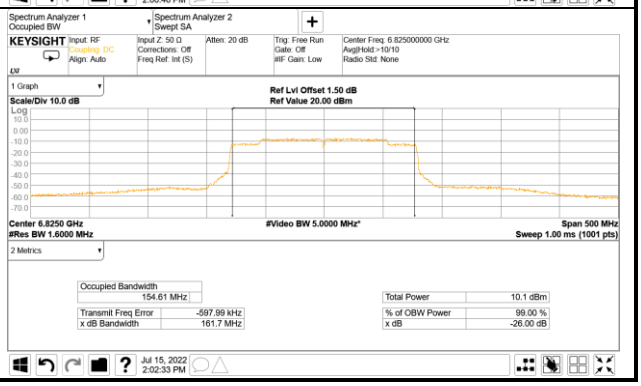
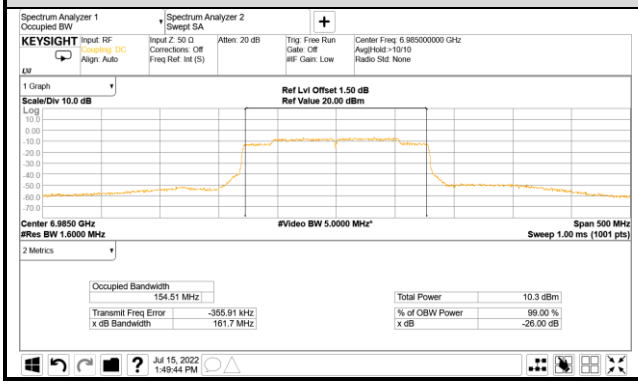
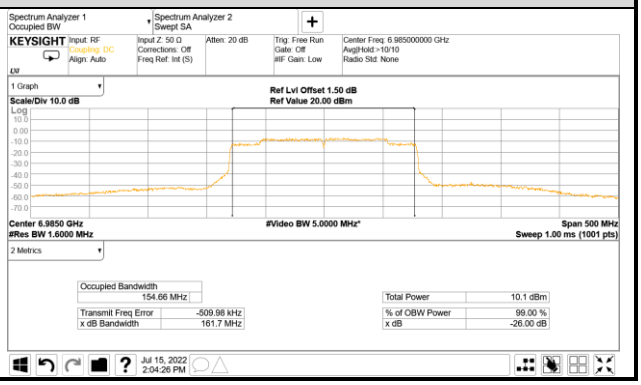
Mode: 802.11ax-HE160	
AUX	Main
U-NII Band 7	U-NII Band 7
	
	

Mode: 802.11ax-HE160	
AUX	Main
U-NII Band 8	U-NII Band 8
	

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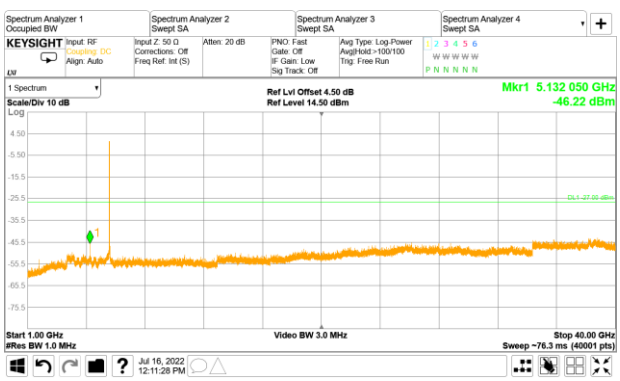
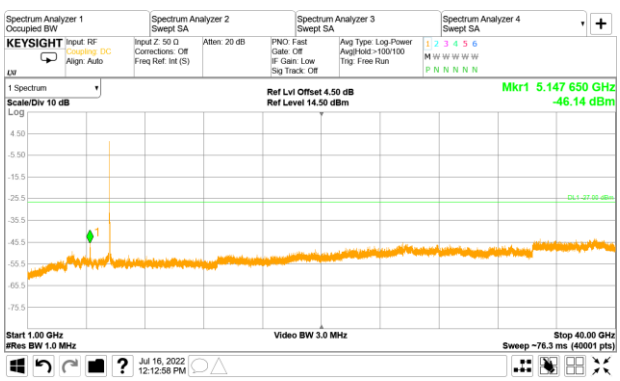
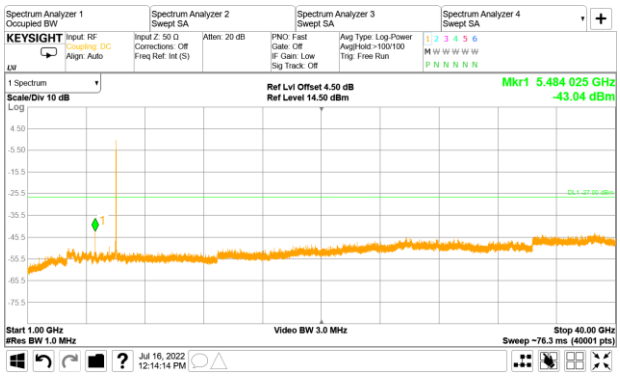
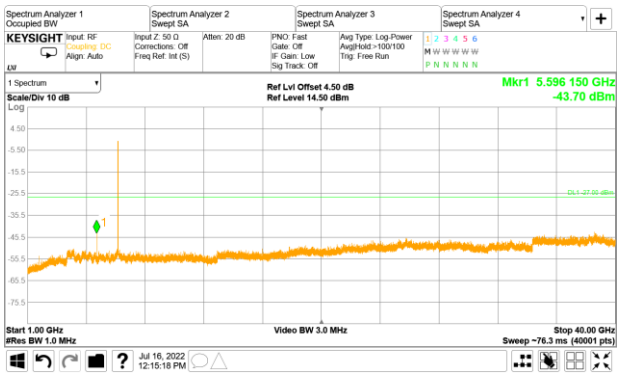
A.6 UNDESIRABLE EMISSION LIMITS: SPURIOUS EMISSION (CONDUCTED)

Test Date	2022/07/16	Temp./Hum.	25℃/45%
Cable Loss	1.5dB	Tested By	Sam Chang
Test Voltage	AC 120V 60Hz (Via AC Adapter)		
Simultaneous Factor 10 log(N_{ANT})(Note: where N_{ANT} is the number of outputs)	3dB		

- OFDM Modulation

Mode: 802.11ax-HE20	
5955MHz	6435MHz
	
6855MHz	6875MHz
	

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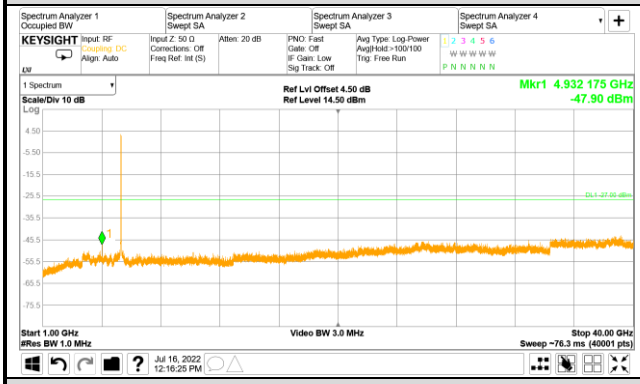
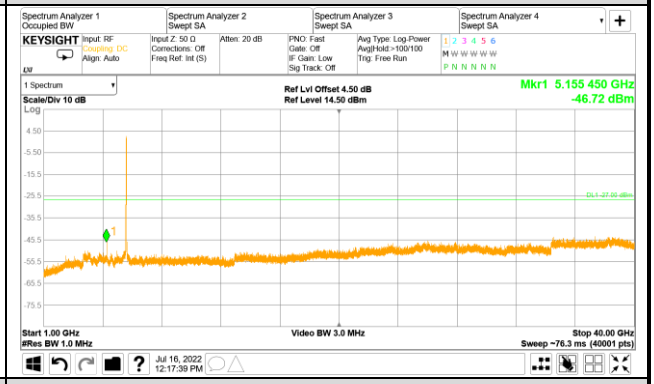
Mode: 802.11ax-HE40

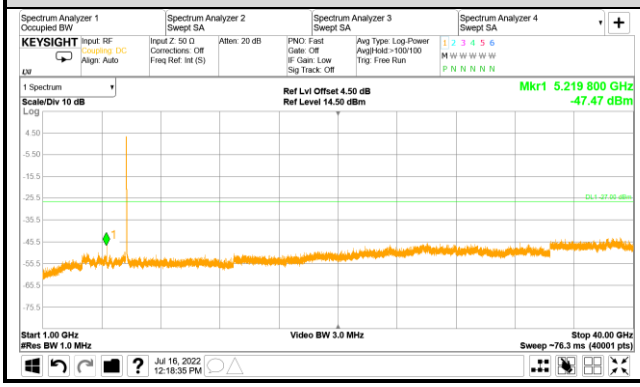
5965MHz



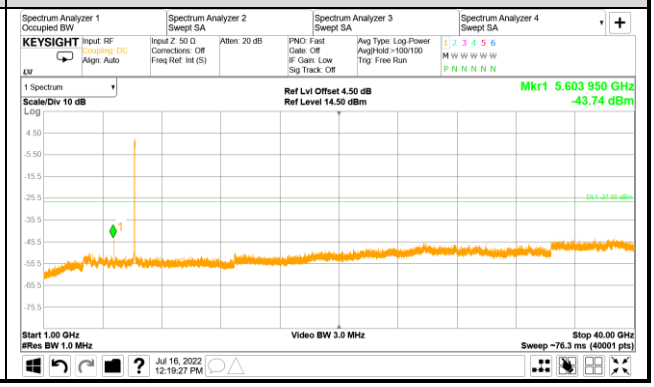
6445MHz



6845MHz

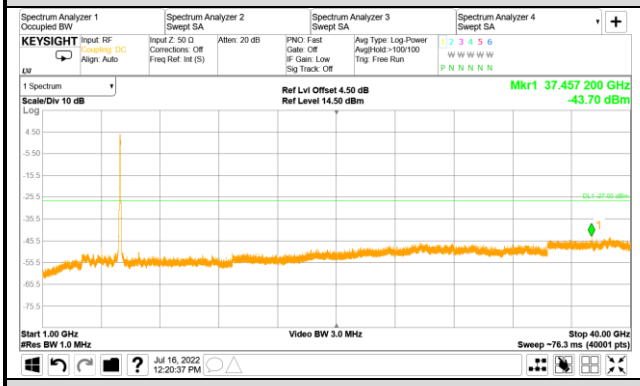


7085MHz

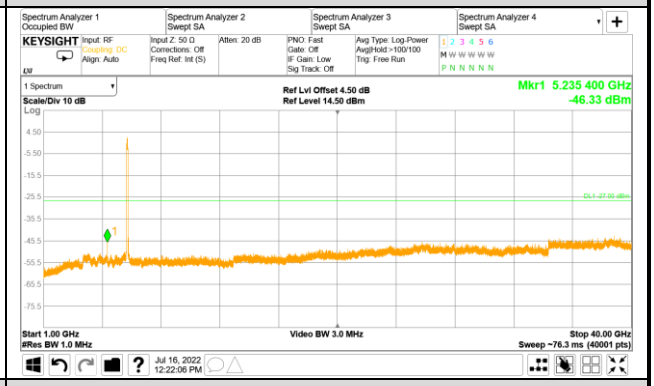


Mode: 802.11ax-HE80

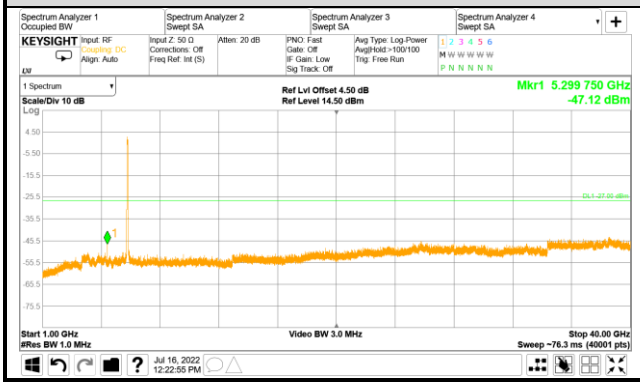
6145MHz



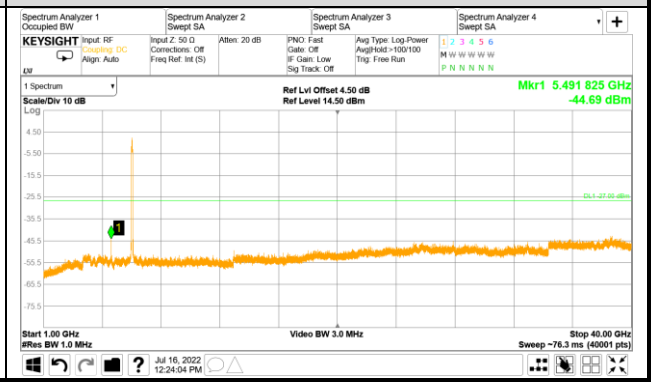
6465MHz



6785MHz



6945MHz



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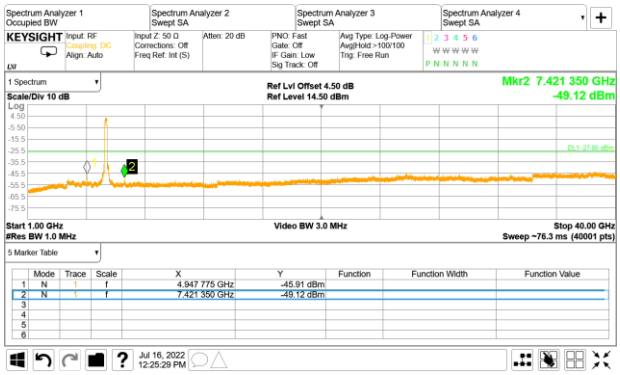
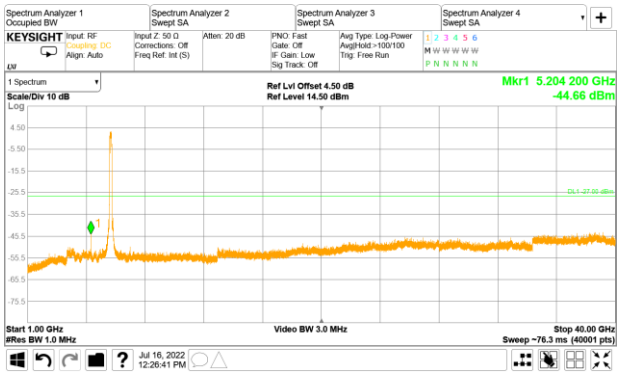
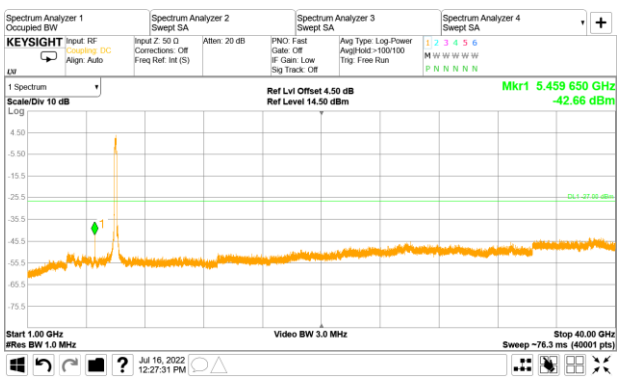
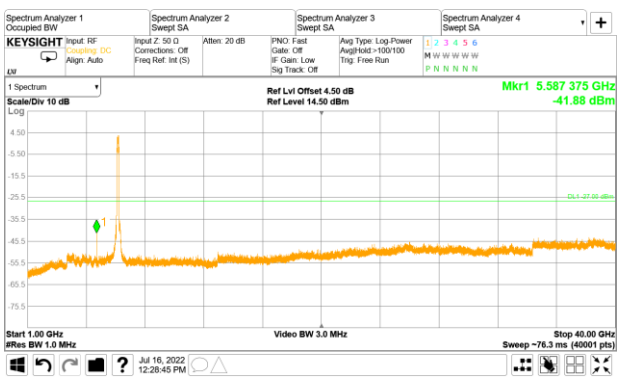
Mode: 802.11ax-HE160	
6185MHz	6505MHz
	
6825MHz	6985MHz
	

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