Audix Technology Corp.
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A.5 EMISSION/OCCUPIED BANDWIDTH

Test Date	2022/02/16 ~ 03/30	Temp./Hum.	17 ~ 23℃/64 ~ 68%
Cable Loss	1.9dB	Tested By	Sam Chang
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

A.5.1 Emission/Occupied Bandwidth Result

- OFDM Modulation

For ANT A (AUX) Port:

Mode	U-NII Band	Centre Frequency (MHz)	Emission (26dB) Bandwidth (MHz)	Occupied (99%) Bandwidth (MHz) (Reference only)	Limit
802.11ax-HE20	5	5955	22.57	19.088	≤320MHz
		6175	23.49	19.055	
		6415	22.80	19.046	
	6	6435	22.96	19.011	
		6475	23.24	19.049	
		6515	22.69	19.047	
	7	6535	22.69	19.036	
		6695	23.07	18.987	
		6855	23.73	19.082	
	8	6875	22.41	19.071	
		6995	23.16	19.012	
		7115	24.00	19.078	
802.11ax-HE40	5	5965	42.00	37.915	≤320MHz
		6165	41.55	37.850	
		6405	42.95	37.977	
	6	6445	41.25	37.793	
		6485	42.52	37.786	
	7	6525	41.99	37.773	
		6685	41.25	37.835	
		6845	42.05	37.876	
	8	6885	41.80	37.861	
		7005	41.71	37.875	
		7085	40.09	37.858	

Note: All results have been included cable loss.

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For ANT A (AUX) Port:

Mode	U-NII Band	Centre Frequency (MHz)	Emission (26dB) Bandwidth (MHz)	Occupied (99%) Bandwidth (MHz) (Reference only)	Limit
802.11ax-HE80	5	5985	81.69	76.836	≤320MHz
		6145	81.78	76.877	
		6385	81.29	76.696	
	6	6465	81.33	76.733	
		6545	80.70	76.770	
	7	6625	80.29	76.760	
		6705	81.17	76.650	
		6785	80.67	76.983	
	8	6865	80.34	76.579	
		6945	81.79	76.567	
		7025	80.68	76.942	
802.11ax-HE160	5	6025	161.60	154.63	≤320MHz
		6185	161.60	155.29	
		6345	161.50	154.95	
	6	6505	161.23	155.11	
	7	6665	162.50	155.44	
		6825	161.90	155.03	
	8	6985	162.70	154.48	

Note: All results have been included cable loss.

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For ANT B (Main) Port:

Mode	U-NII Band	Centre Frequency (MHz)	Emission (26dB) Bandwidth (MHz)	Occupied (99%) Bandwidth (MHz) (Reference only)	Limit
802.11ax-HE20	5	5955	23.46	19.011	≤320MHz
		6175	23.60	18.970	
		6415	23.66	18.990	
	6	6435	23.99	18.996	
		6475	24.27	18.991	
		6515	24.51	19.040	
	7	6535	23.91	18.988	
		6695	23.88	19.011	
		6855	23.74	19.004	
	8	6875	23.28	19.036	
		6995	23.88	18.983	
		7115	23.57	19.035	
802.11ax-HE40	5	5965	43.96	37.787	≤320MHz
		6165	43.87	37.855	
		6405	44.89	37.856	
	6	6445	44.08	37.870	
		6485	43.80	37.856	
	7	6525	43.09	37.836	
		6685	43.91	37.816	
		6845	44.75	37.795	
	8	6885	44.07	37.811	
		7005	43.90	37.828	
		7085	43.91	37.819	

Note: All results have been included cable loss.

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For ANT B (Main) Port:

Mode	U-NII Band	Centre Frequency (MHz)	Emission (26dB) Bandwidth (MHz)	Occupied (99%) Bandwidth (MHz) (Reference only)	Limit
802.11ax-HE80	5	5985	82.09	76.696	≤320MHz
		6145	82.15	76.707	
		6385	81.31	76.679	
	6	6465	81.98	76.707	
		6545	81.34	76.614	
	7	6625	80.93	76.617	
		6705	81.27	76.549	
		6785	81.77	76.666	
	8	6865	81.64	76.671	
		6945	82.17	76.438	
		7025	81.40	76.722	
802.11ax-HE160	5	6025	161.9	154.53	≤320MHz
		6185	162.0	154.85	
		6345	161.7	154.16	
	6	6505	161.8	154.96	
	7	6665	161.6	154.49	
		6825	161.9	154.56	
	8	6985	161.7	154.42	

Note: All results have been included cable loss.

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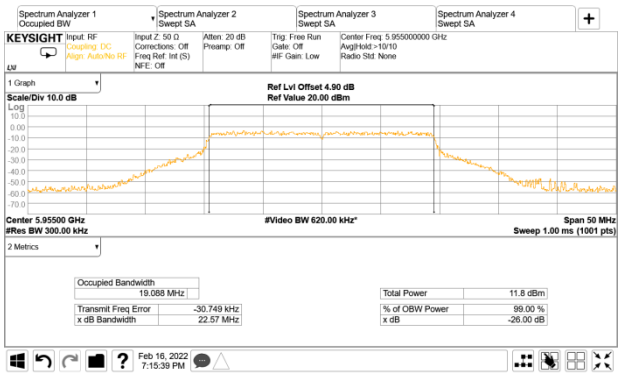
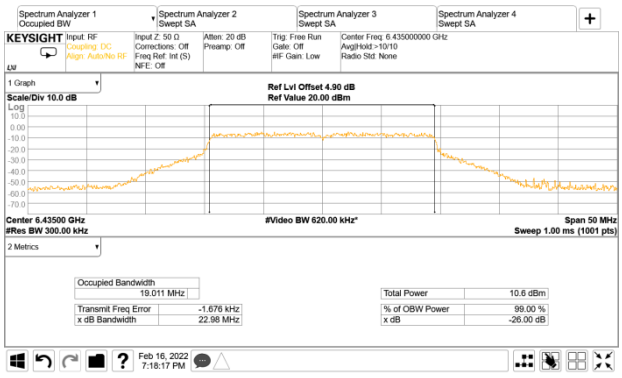
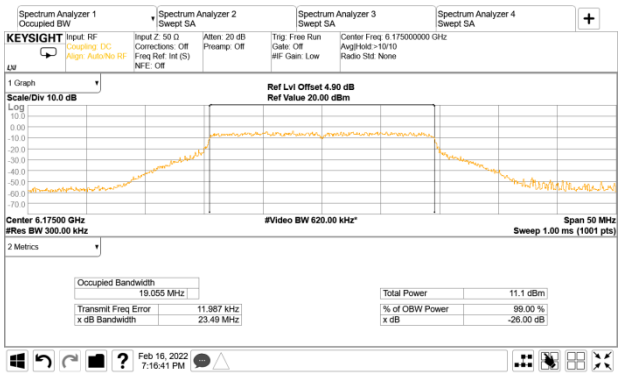
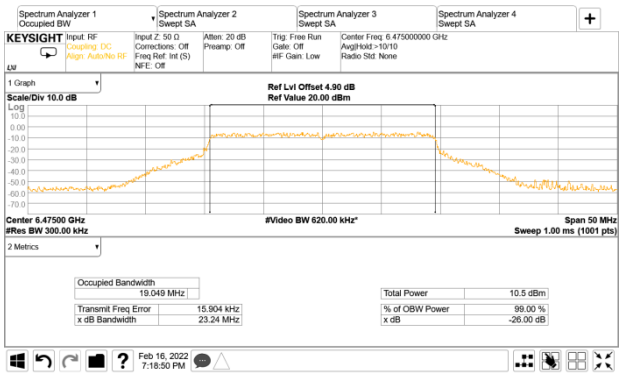
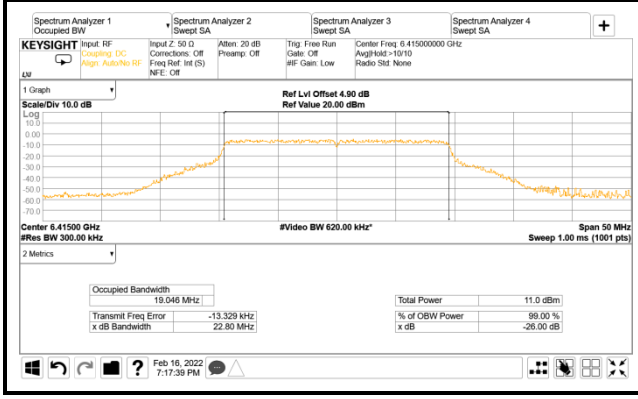
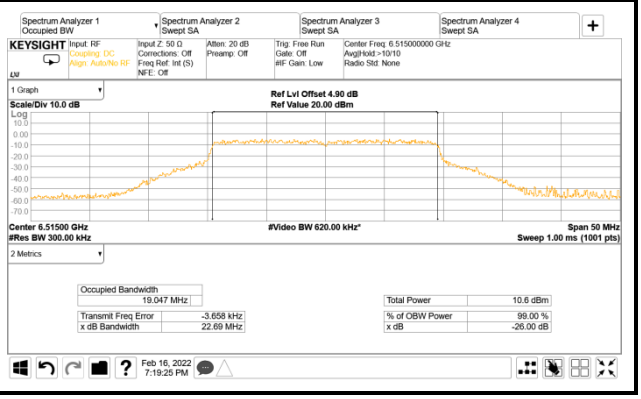
A.5.2 Measurement Plots

- OFDM Modulation

ANT A (AUX) Port	
Mode: 802.11ax-HE20	
U-NII Band 5	U-NII Band 6
	
	
	

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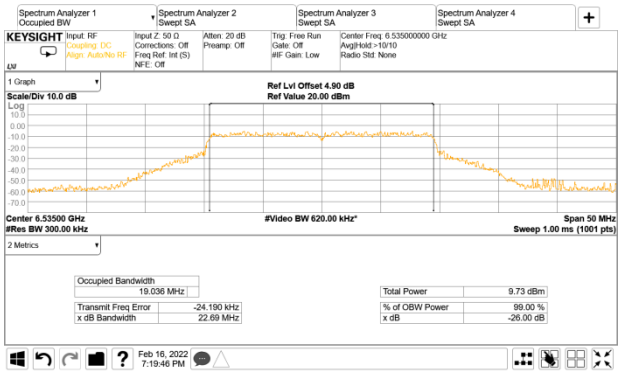
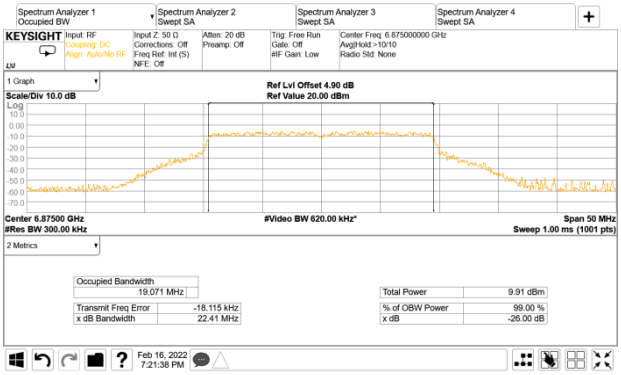
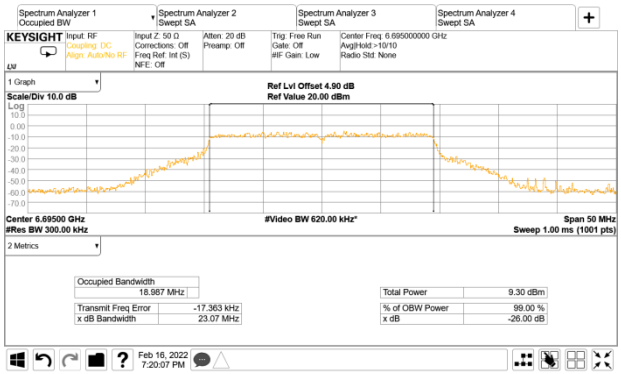
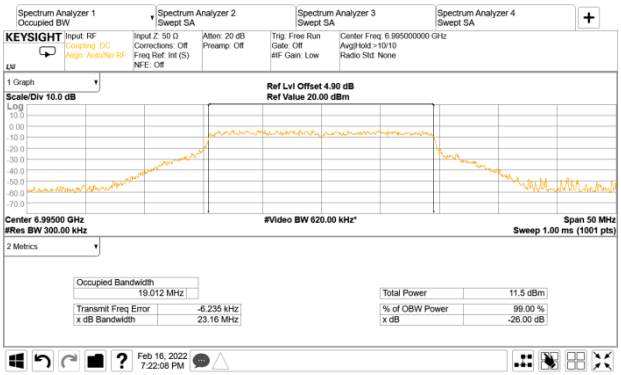
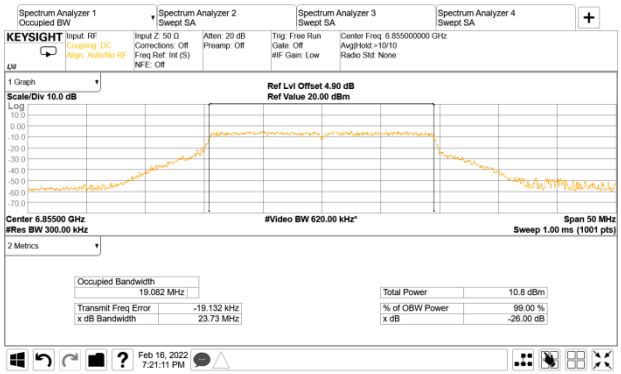
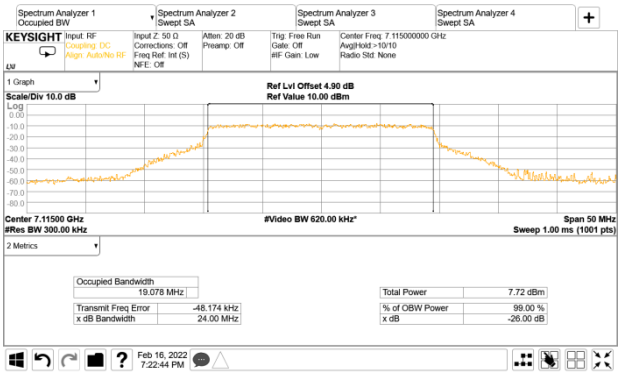
ANT A (AUX) Port	
Mode: 802.11ax-HE20	
U-NII Band 7	U-NII Band 8
	
	
	

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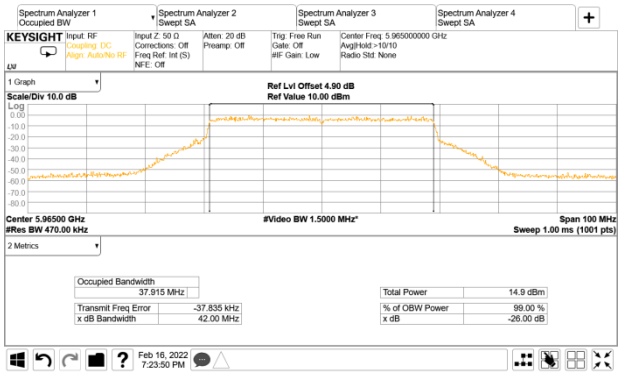
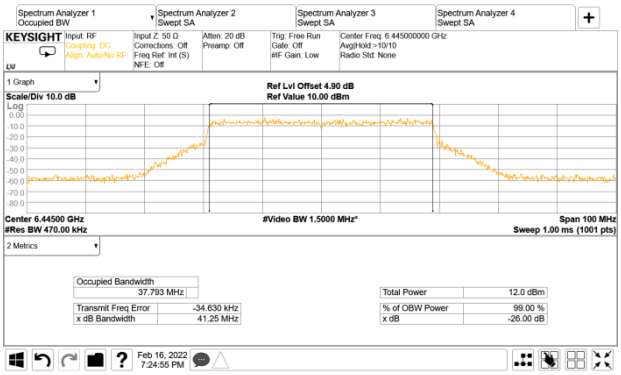
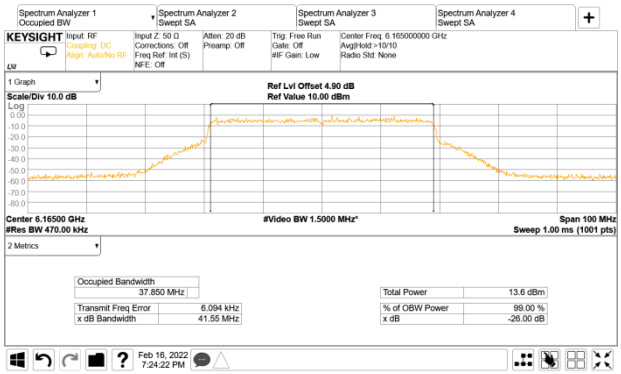
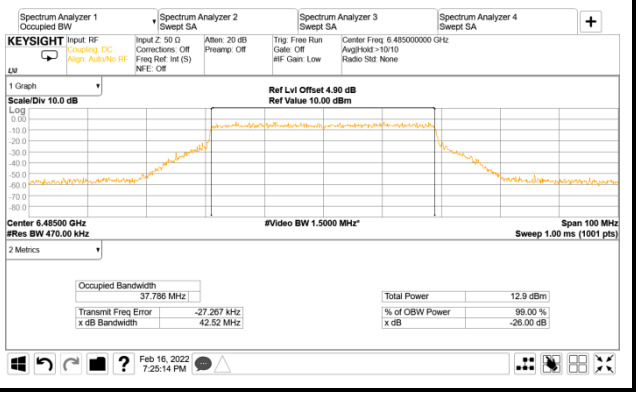
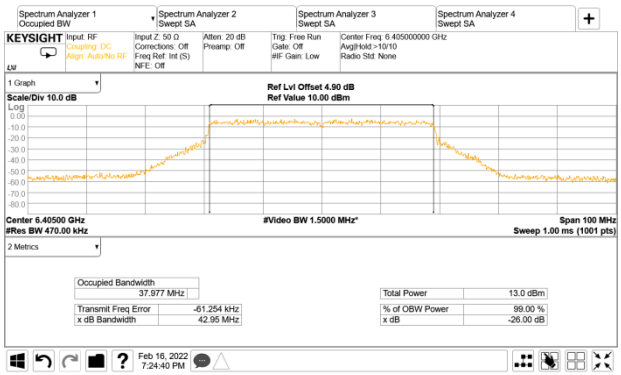
ANT A (AUX) Port	
Mode: 802.11ax-HE40	
U-NII Band 5	U-NII Band 6











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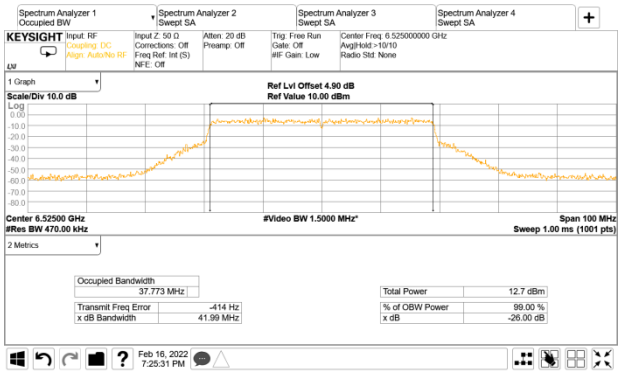
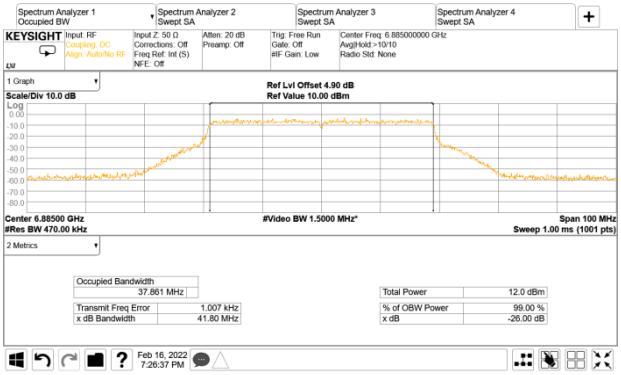
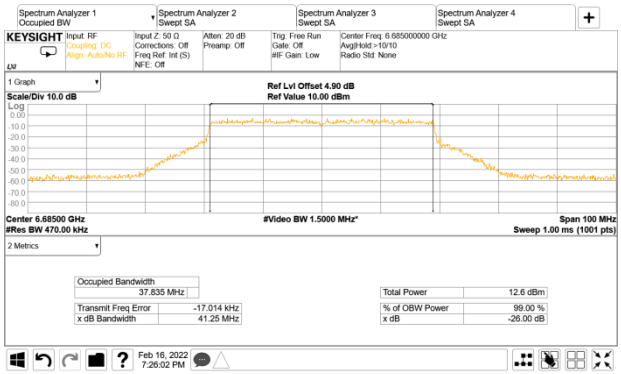
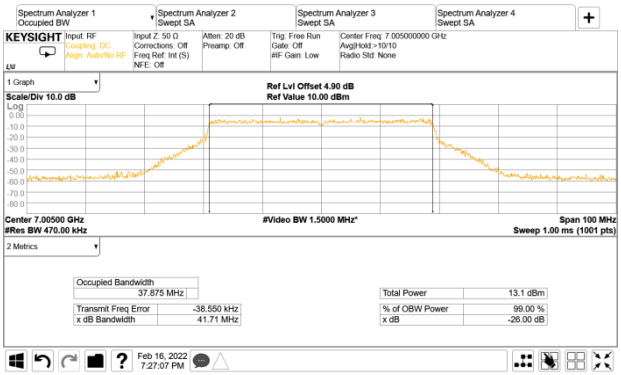
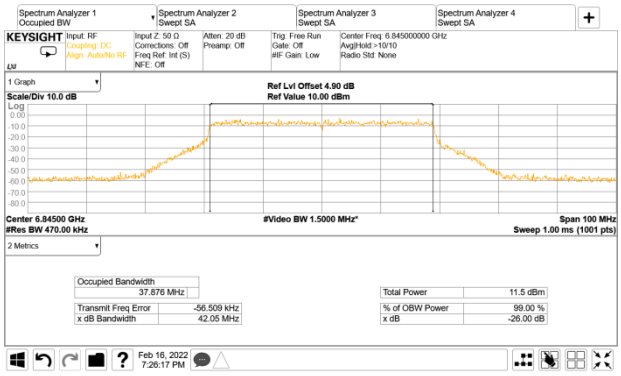
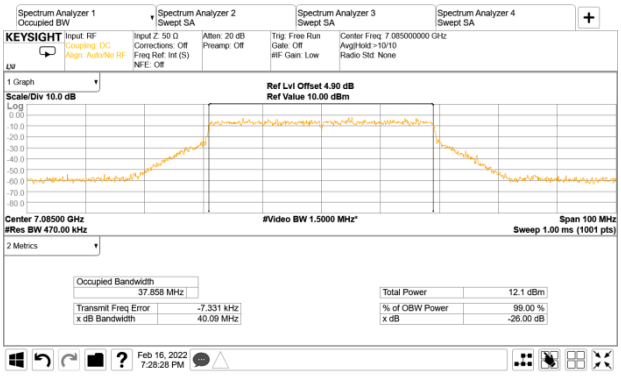
ANT A (AUX) Port	
Mode: 802.11ax-HE40	
U-NII Band 7	U-NII Band 8
	
	
	

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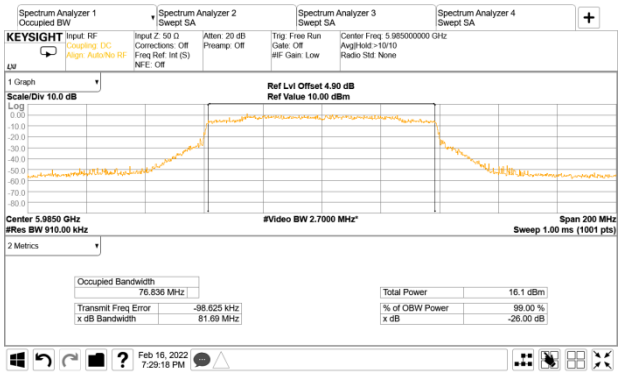
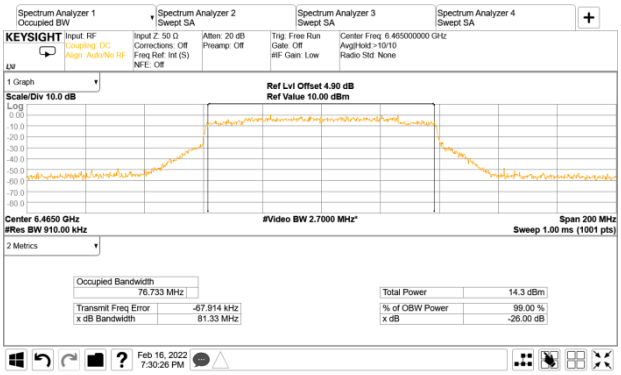
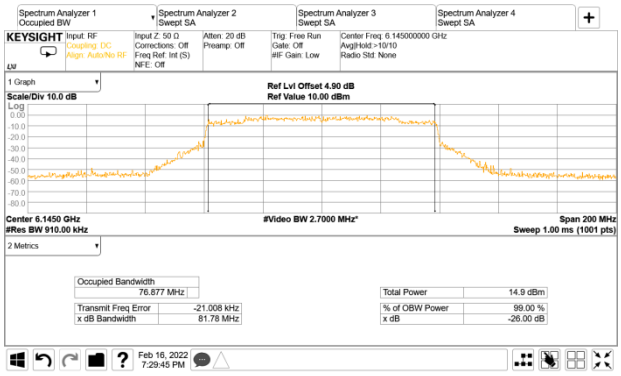
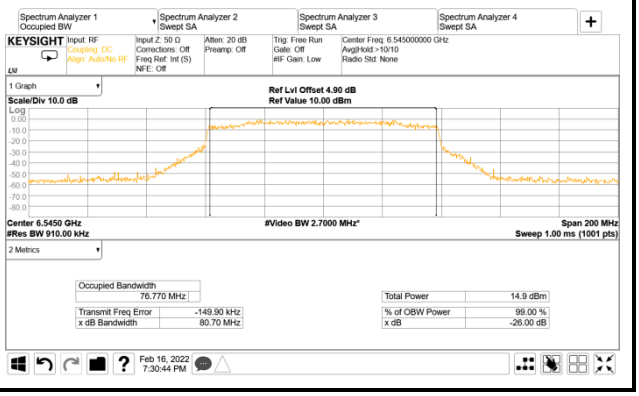
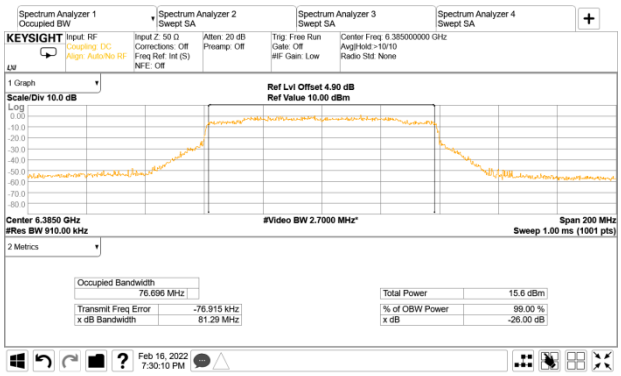
ANT A (AUX) Port	
Mode: 802.11ax-HE80	
U-NII Band 5	U-NII Band 6











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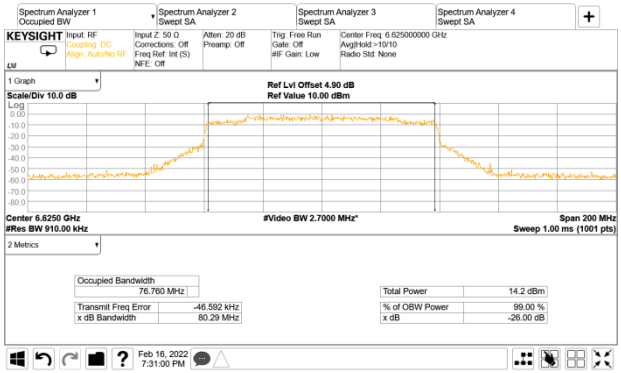
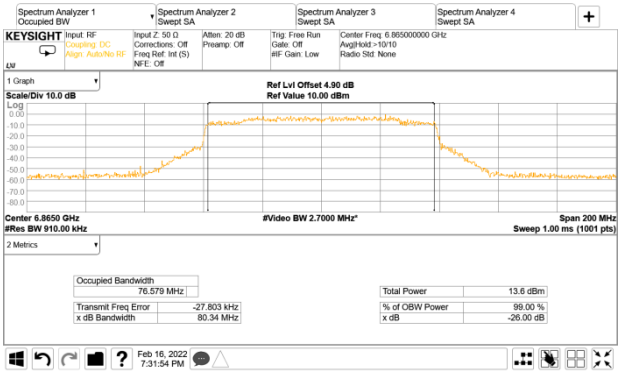
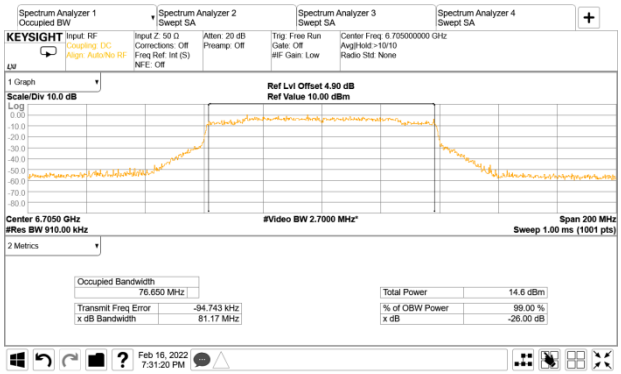
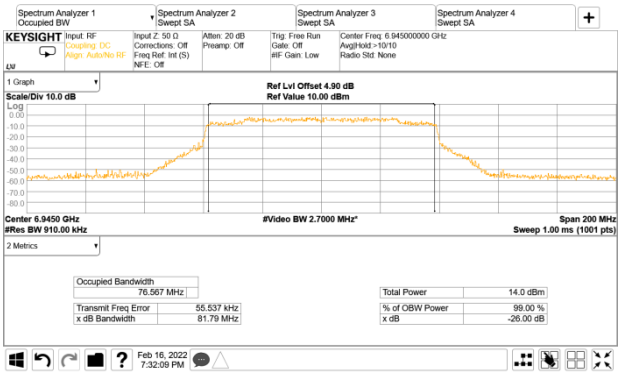
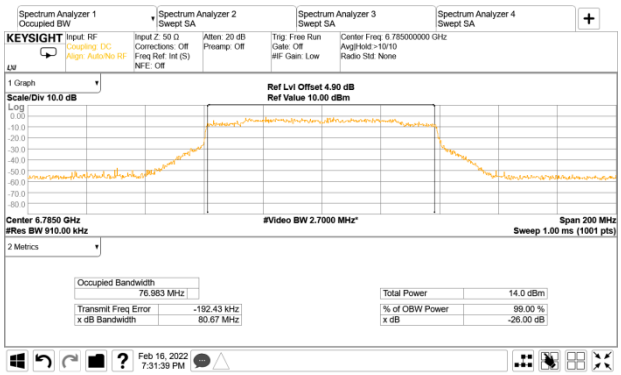
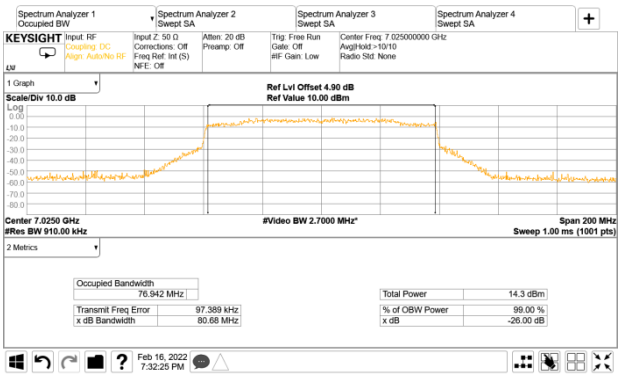
ANT A (AUX) Port	
Mode: 802.11ax-HE80	
U-NII Band 7	U-NII Band 8
	
	
	

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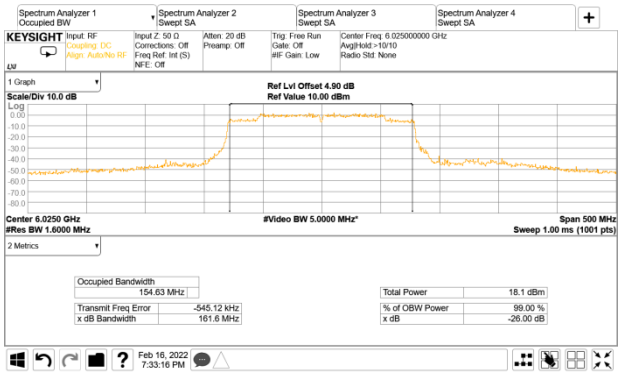
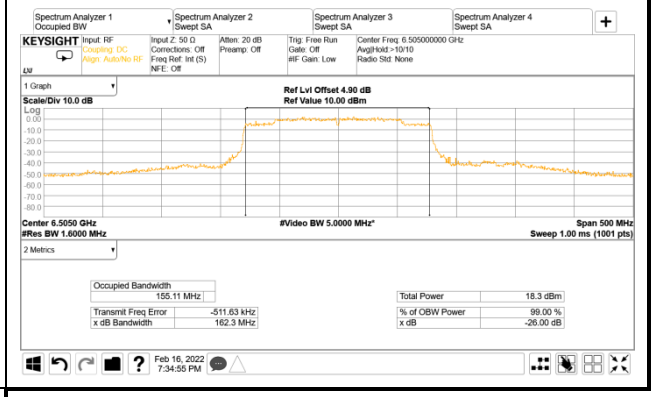
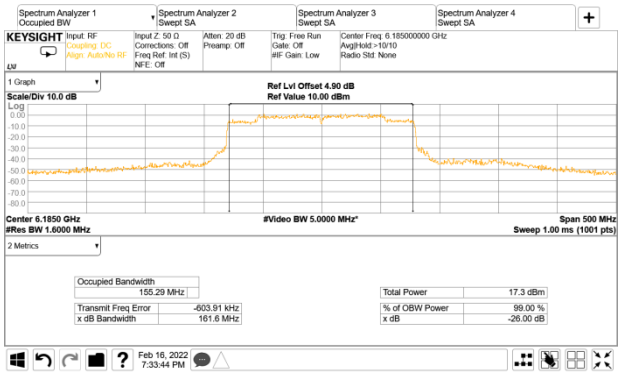
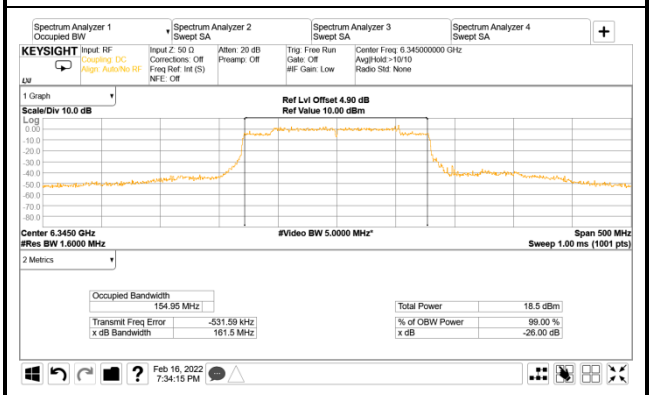
ANT A (AUX) Port	
Mode: 802.11ax-HE160	
U-NII Band 5	U-NII Band 6









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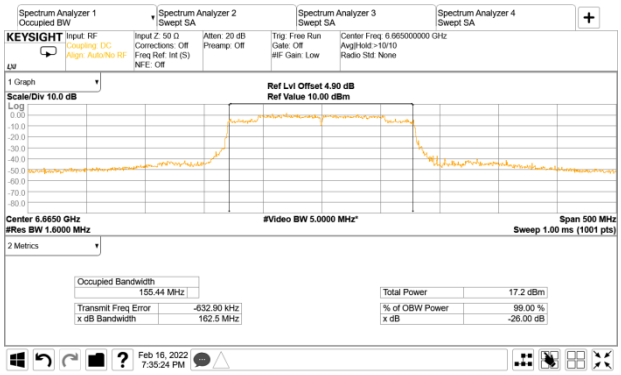
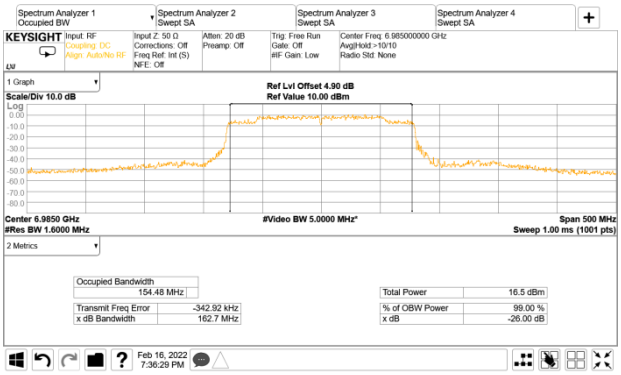
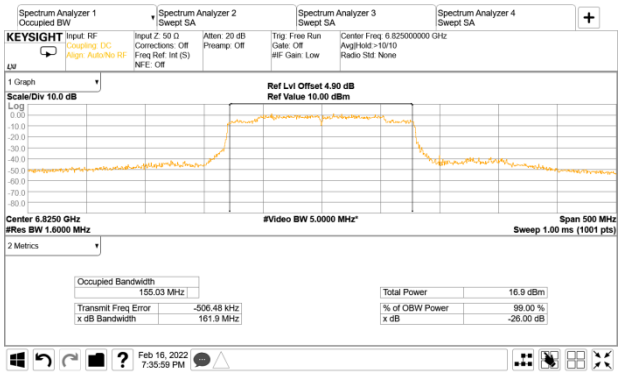
ANT A (AUX) Port	
Mode: 802.11ax-HE160	
U-NII Band 7	U-NII Band 8







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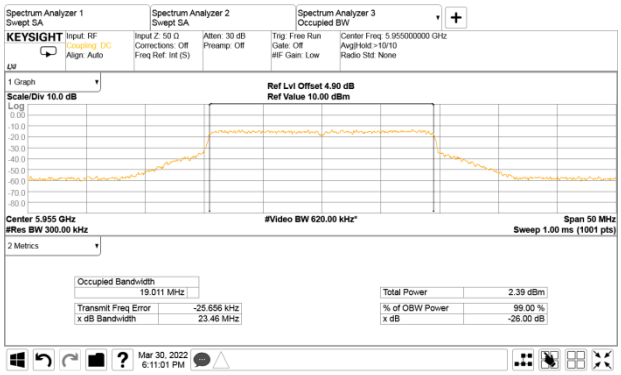
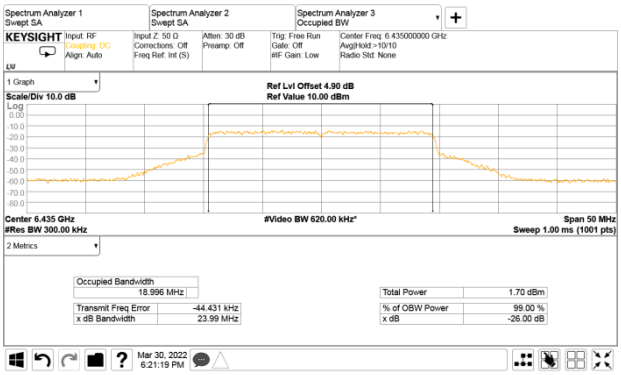
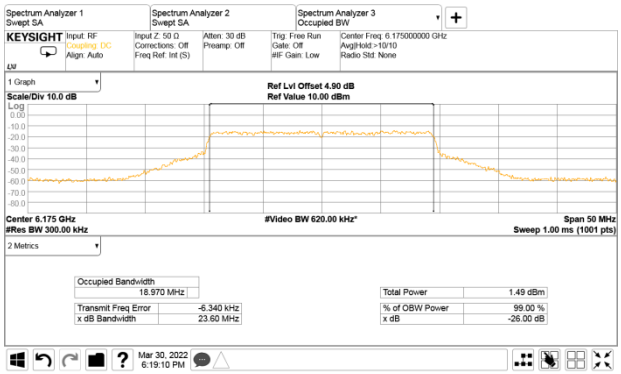
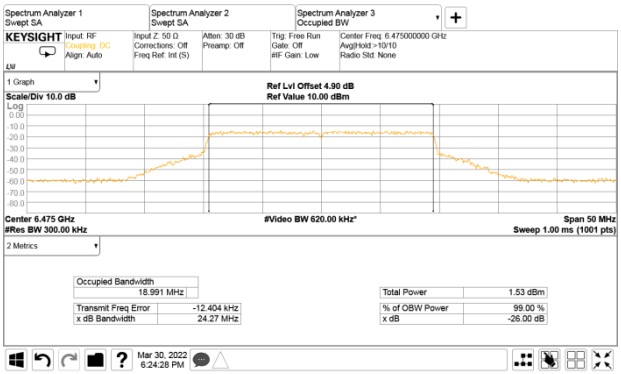
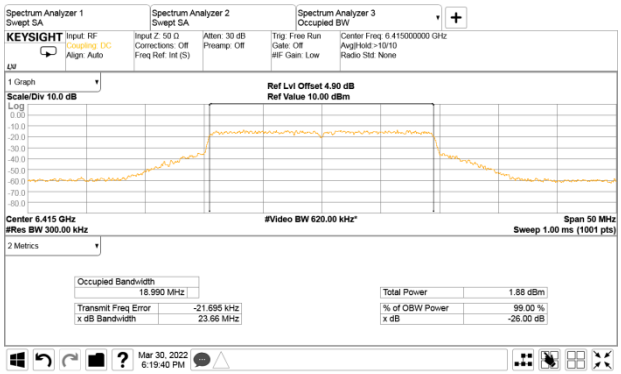
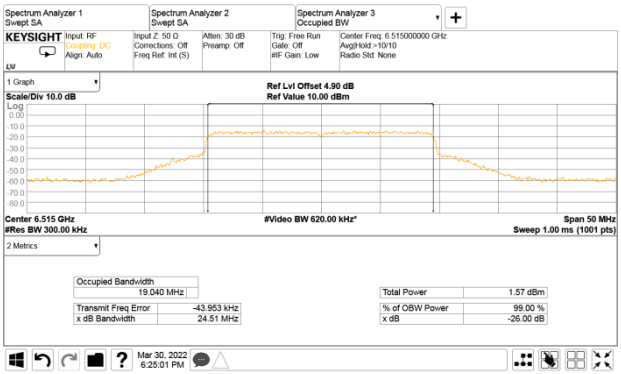
ANT B (Main) Port	
Mode: 802.11ax-HE20	
U-NII Band 5	U-NII Band 6
	
	
	

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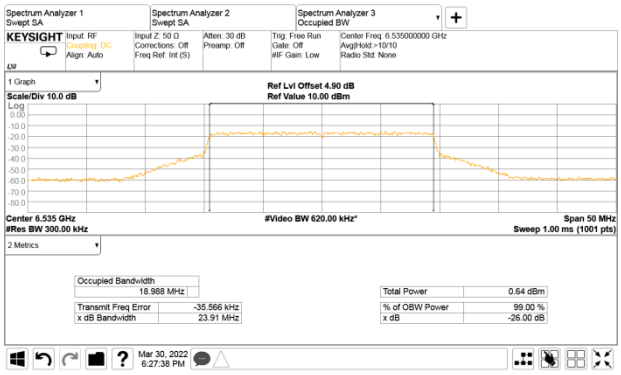
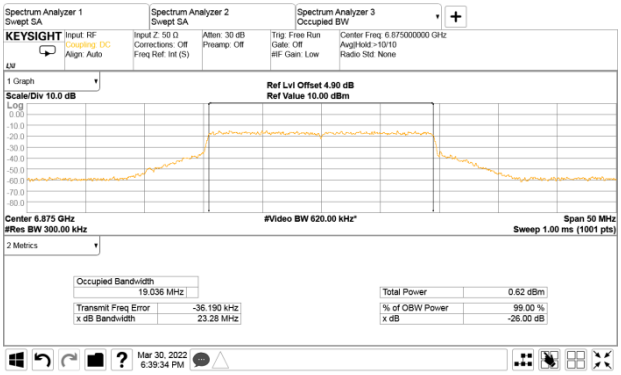
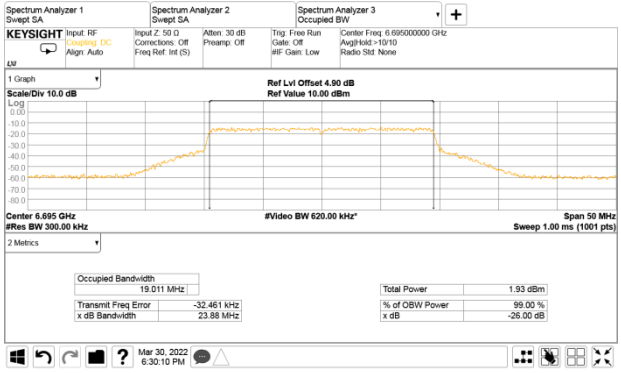
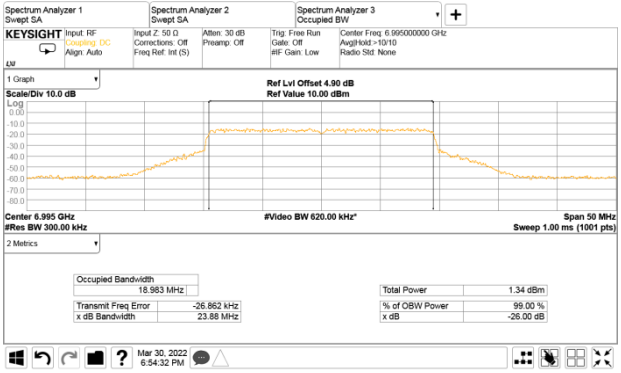
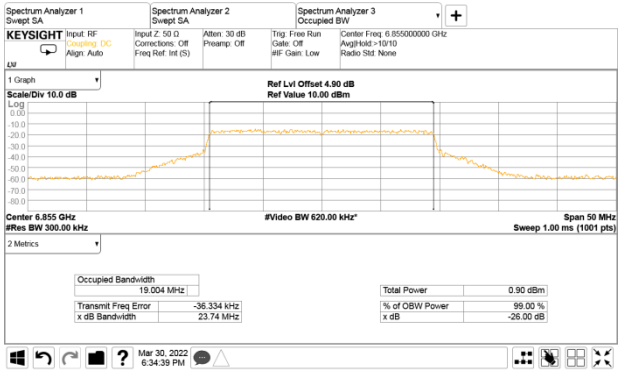
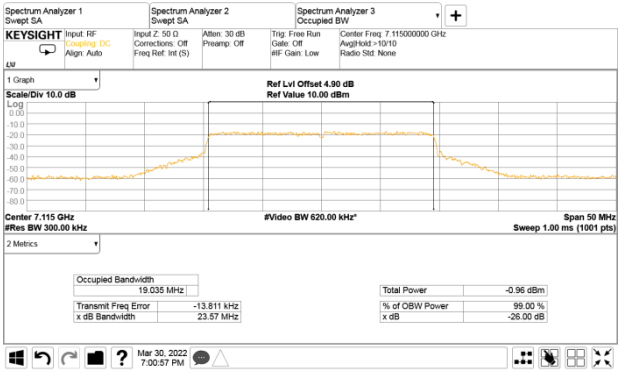
ANT B (Main) Port	
Mode: 802.11ax-HE20	
U-NII Band 7	U-NII Band 8
	
	
	

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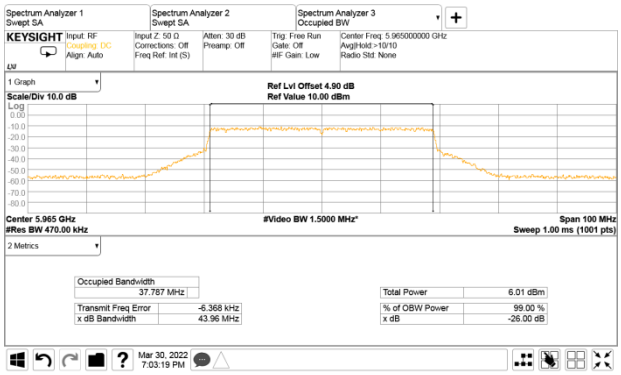
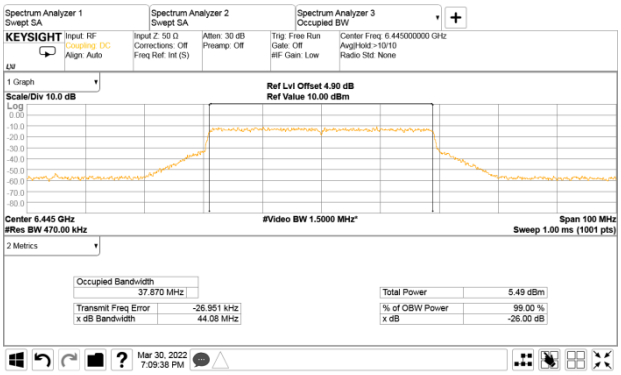
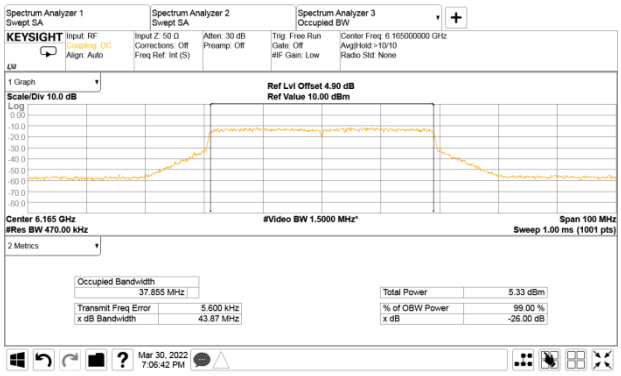
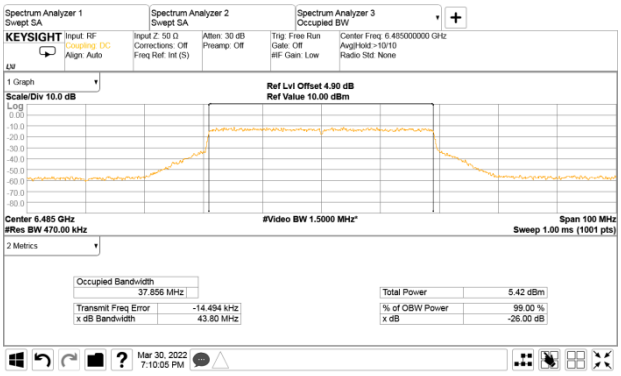
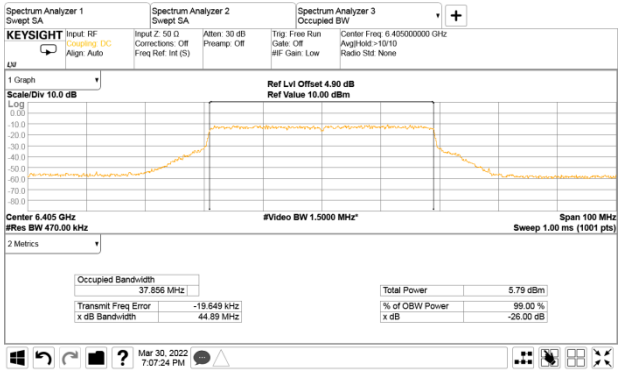
ANT B (Main) Port	
Mode: 802.11ax-HE40	
U-NII Band 5	U-NII Band 6
	
	
	

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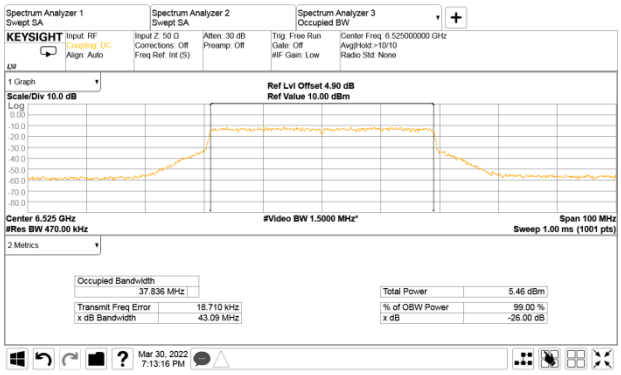
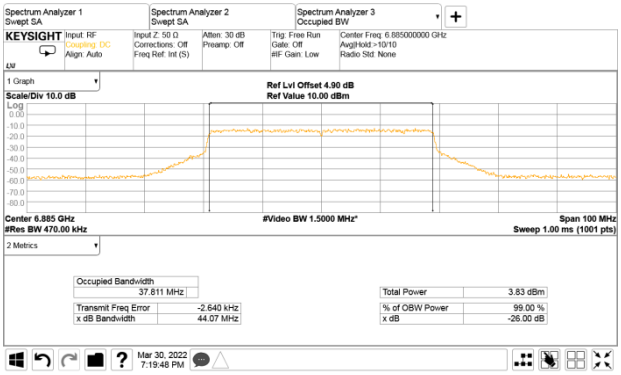
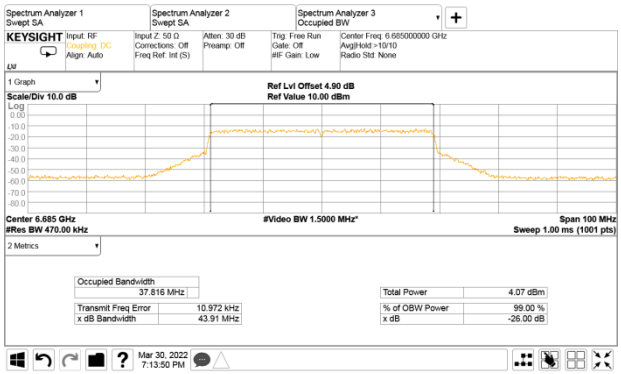
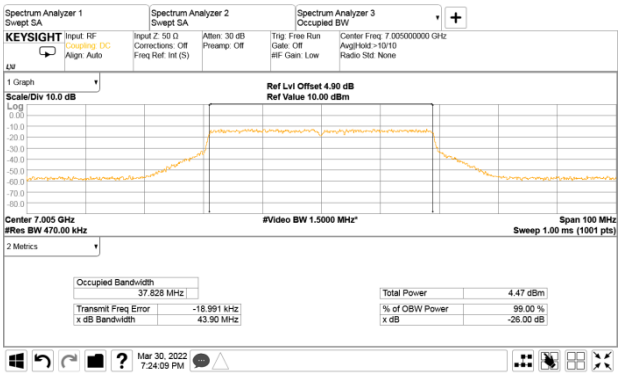
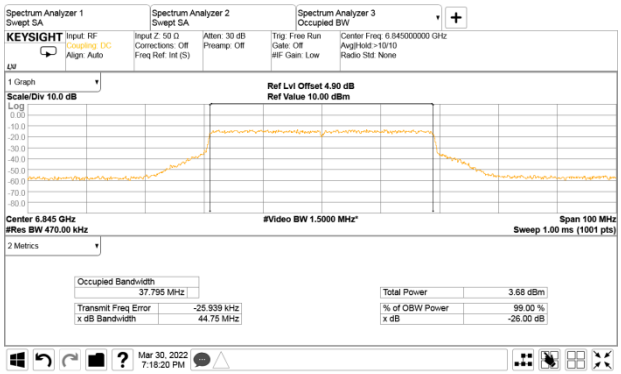
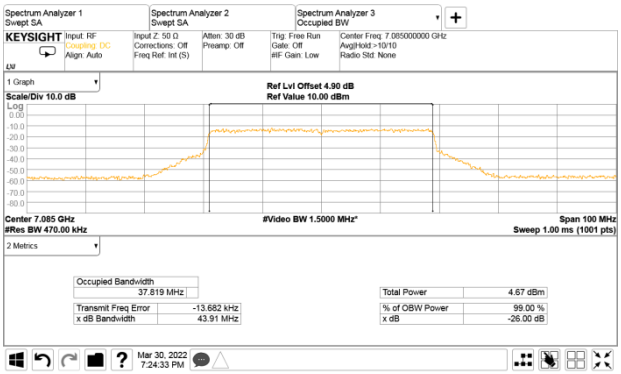
ANT B (Main) Port	
Mode: 802.11ax-HE40	
U-NII Band 7	U-NII Band 8
	
	
	

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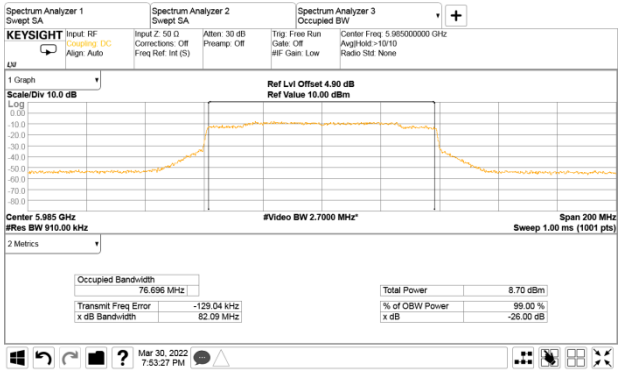
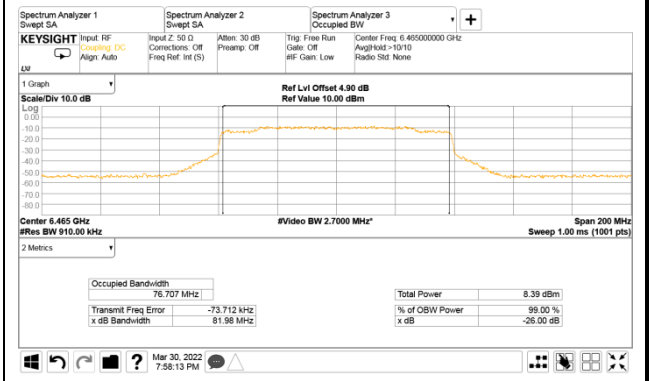
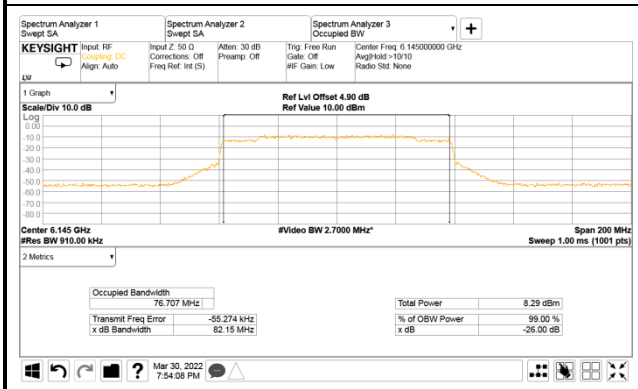
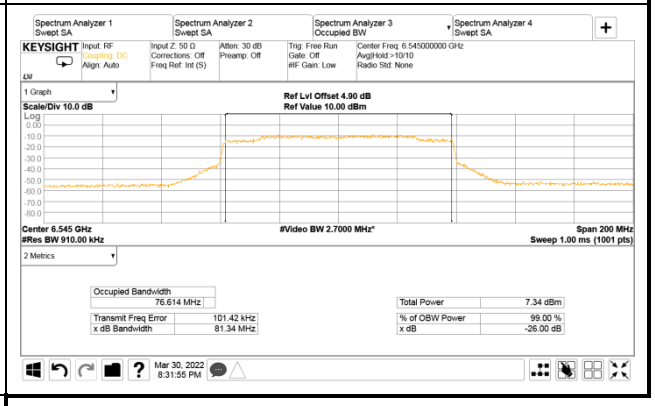
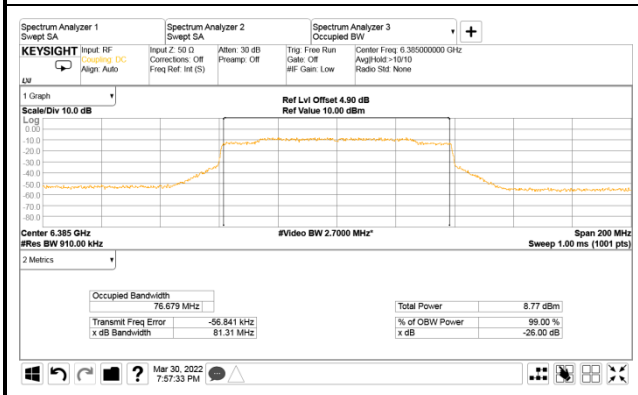
ANT B (Main) Port	
Mode: 802.11ax-HE80	
U-NII Band 5	U-NII Band 6











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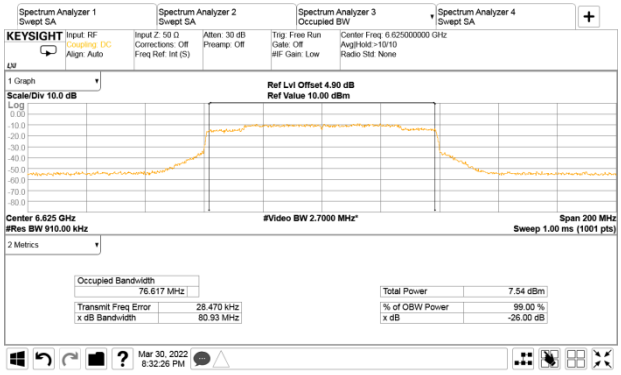
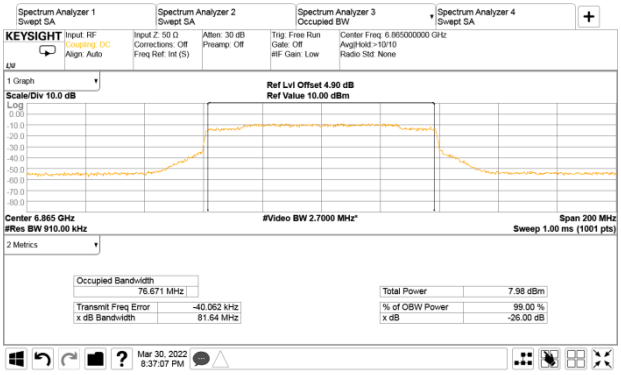
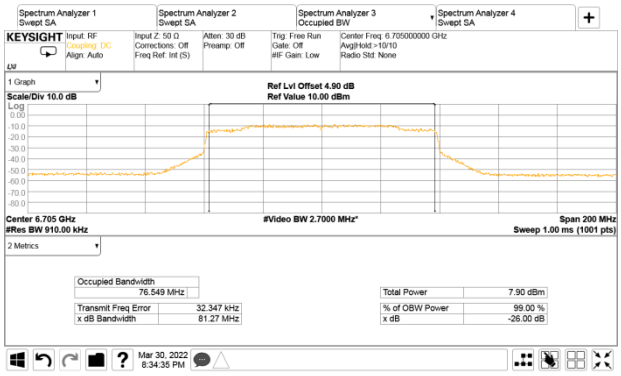
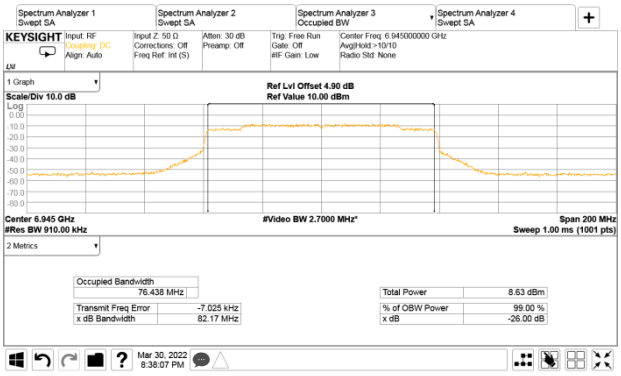
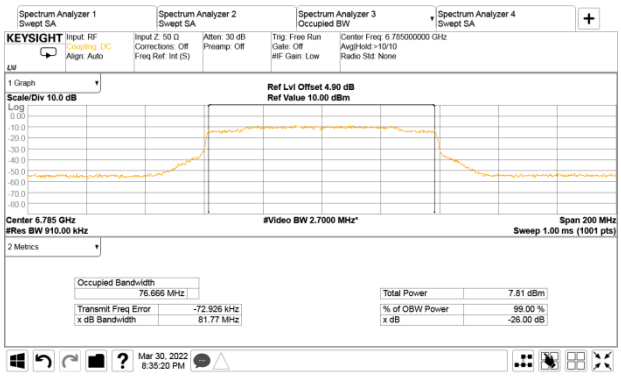
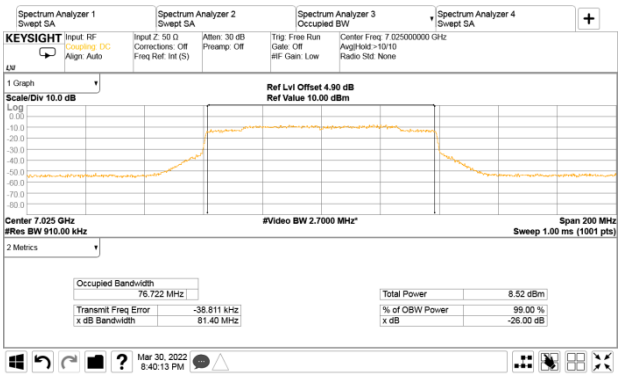
ANT B (Main) Port	
Mode: 802.11ax-HE80	
U-NII Band 7	U-NII Band 8
	
	
	

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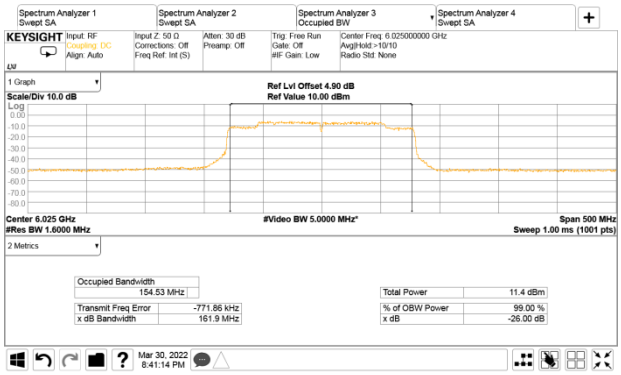
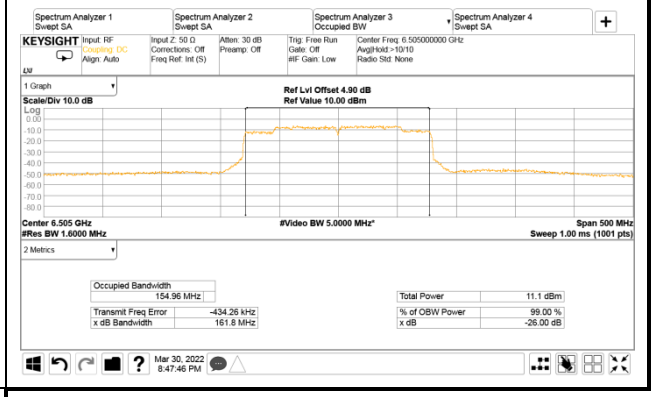
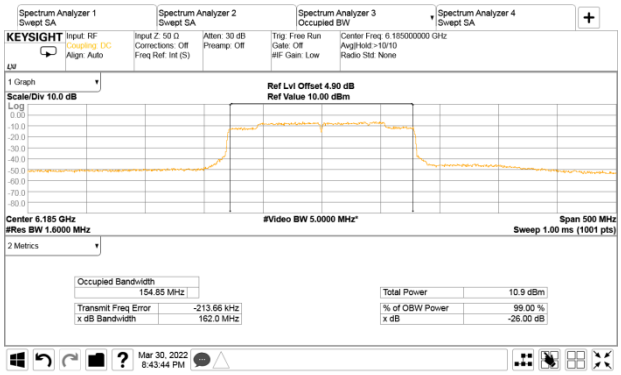
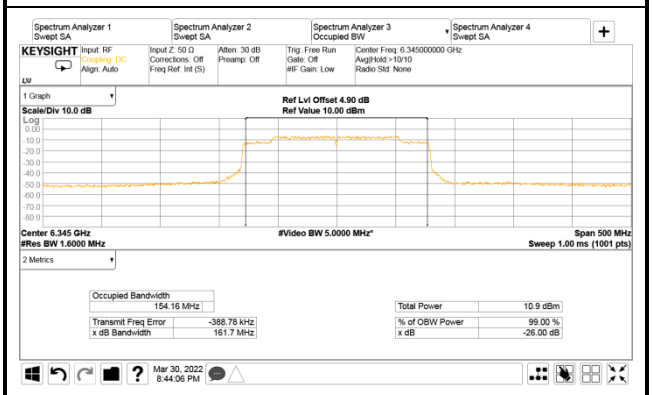
ANT B (Main) Port	
Mode: 802.11ax-HE160	
U-NII Band 5	U-NII Band 6









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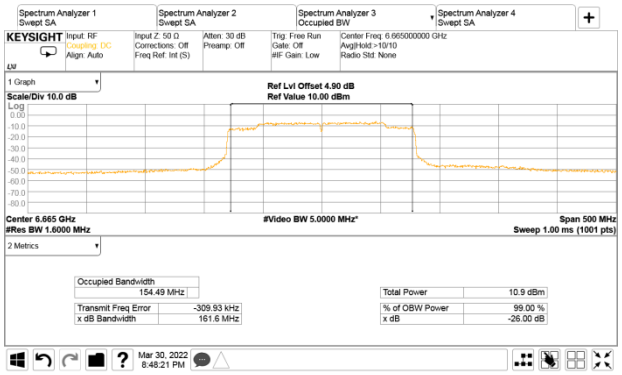
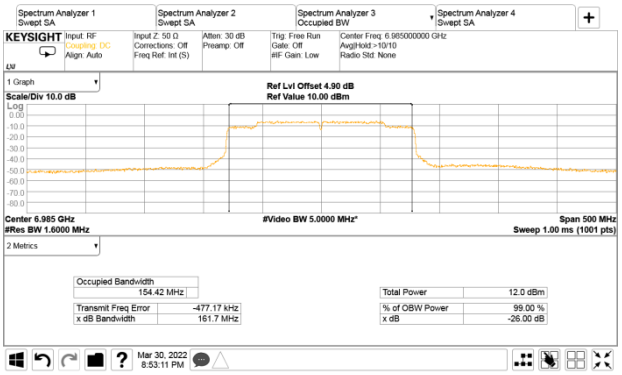
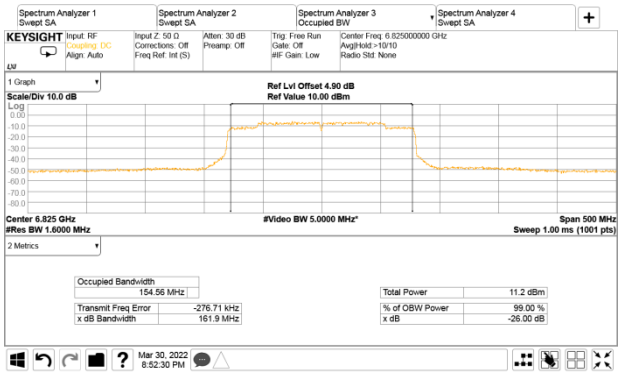
ANT B (Main) Port	
Mode: 802.11ax-HE160	
U-NII Band 7	U-NII Band 8







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