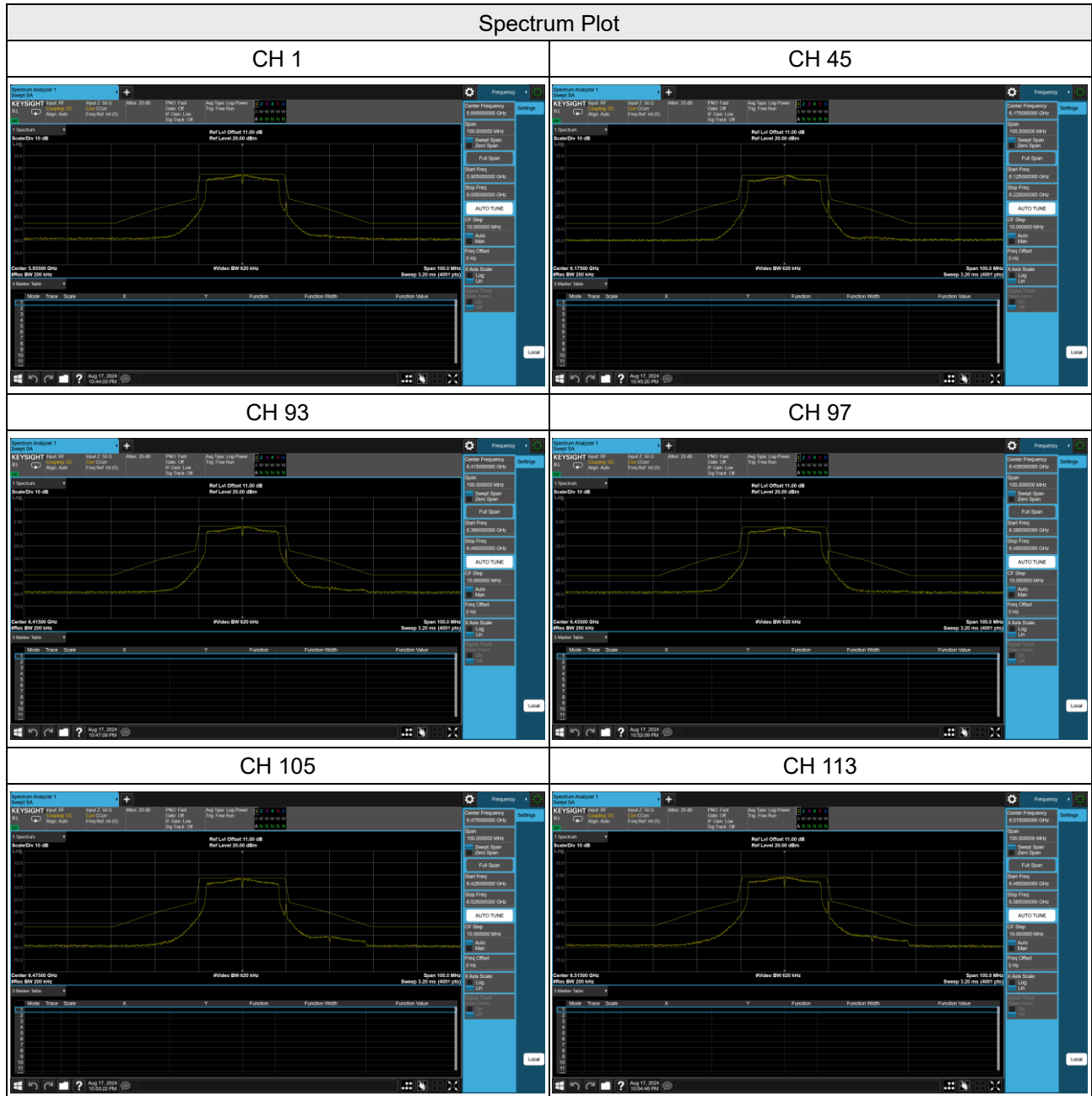
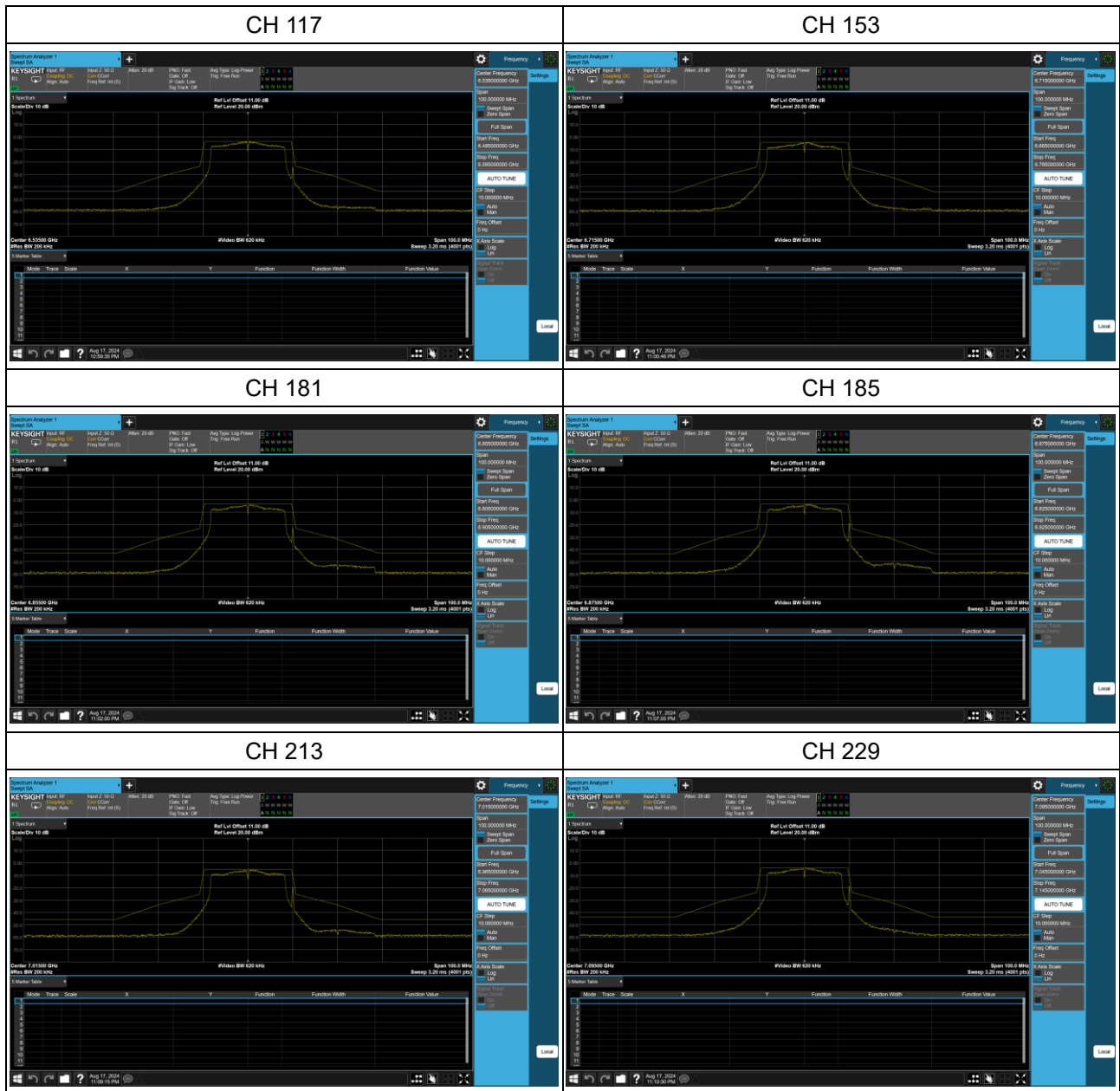
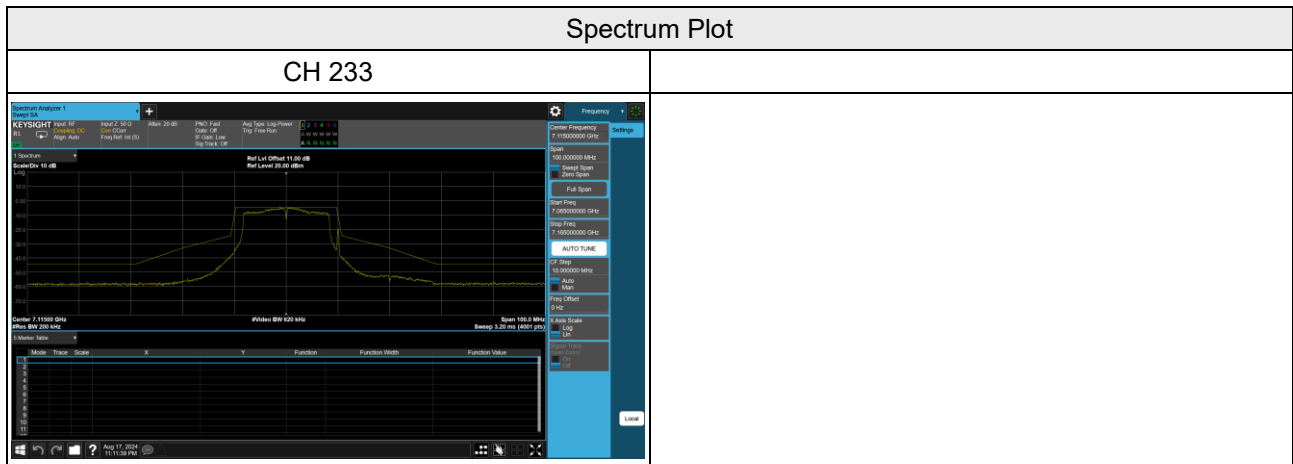


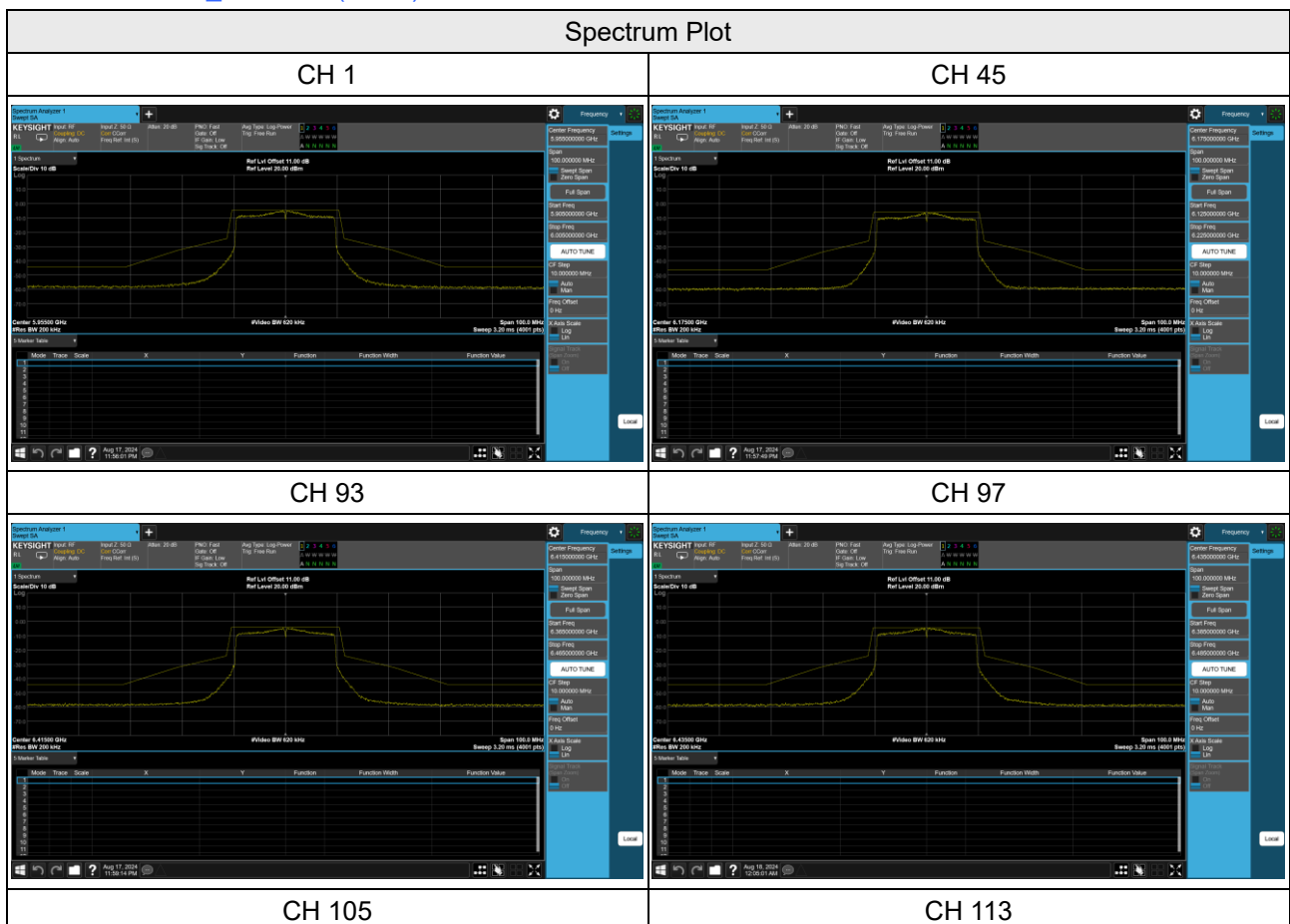
MIMO Antenna 8_802.11a







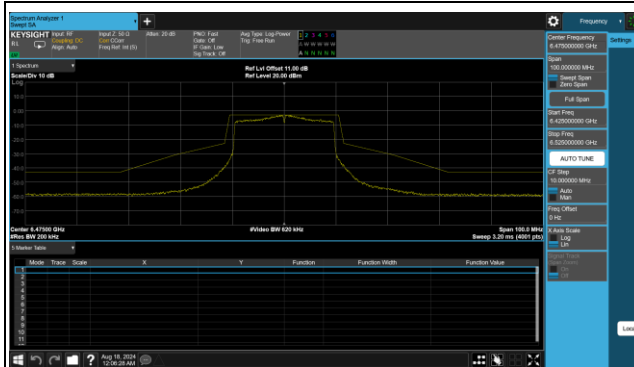
MIMO Antenna 8_802.11ax (HE20)



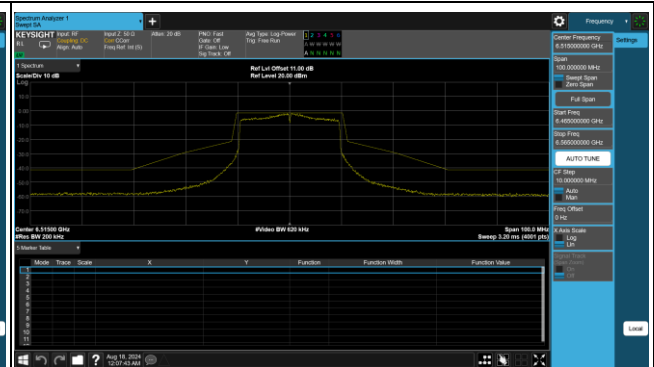


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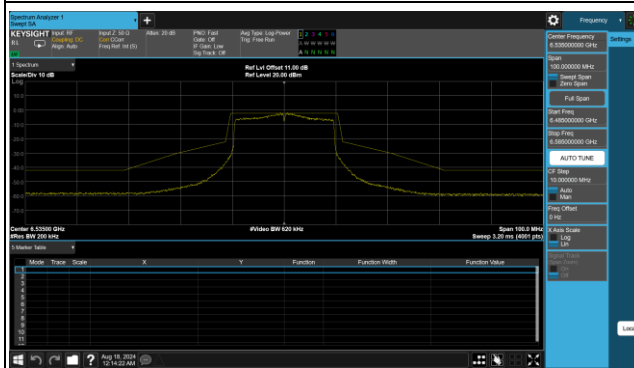
Reference No.: PSU-NQN2412310215RF03



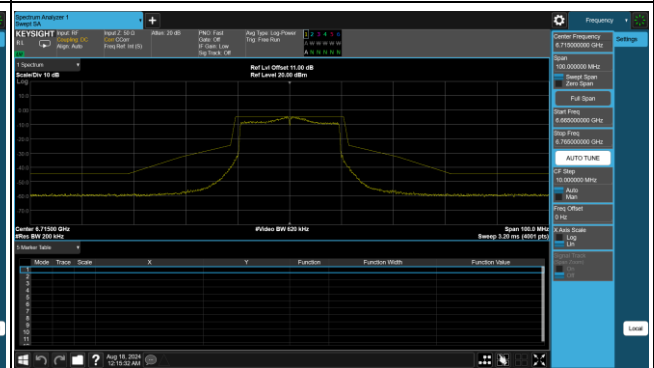
CH 117



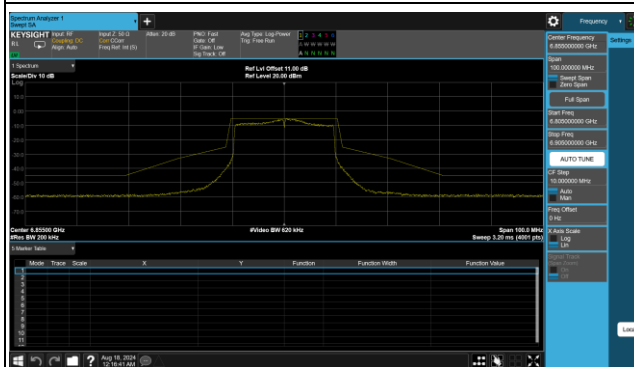
CH 153



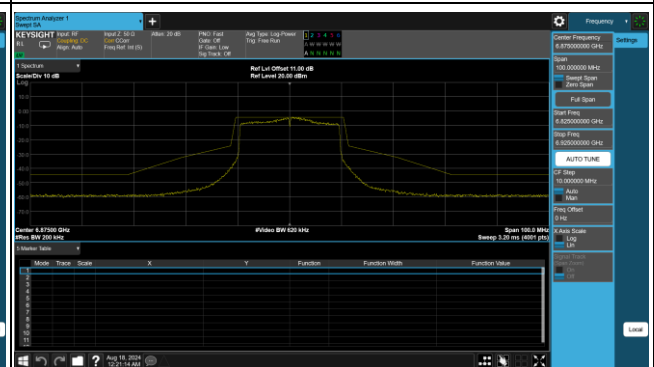
CH 181



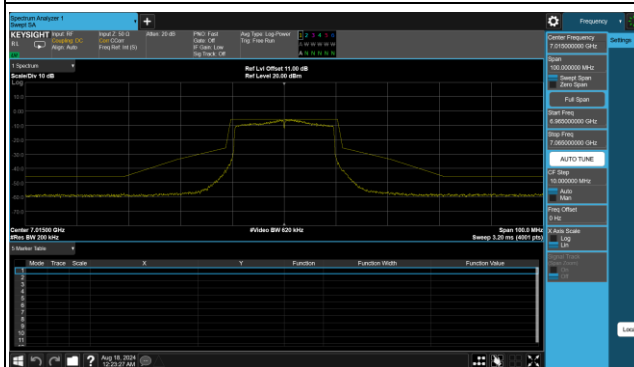
CH 185



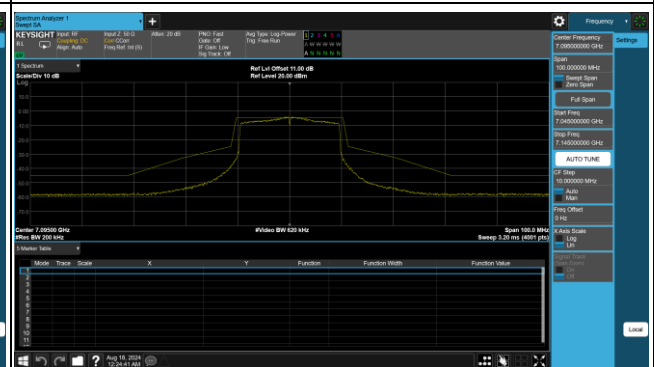
CH 213



CH 229



CH 233



Spectrum Plot

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(Suzhou) Co., Ltd

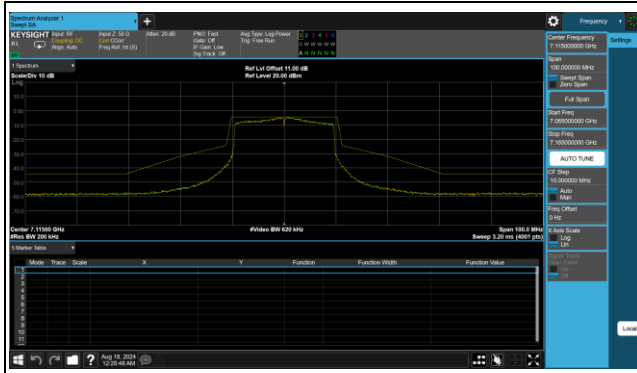
Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86(0557) 368 1008



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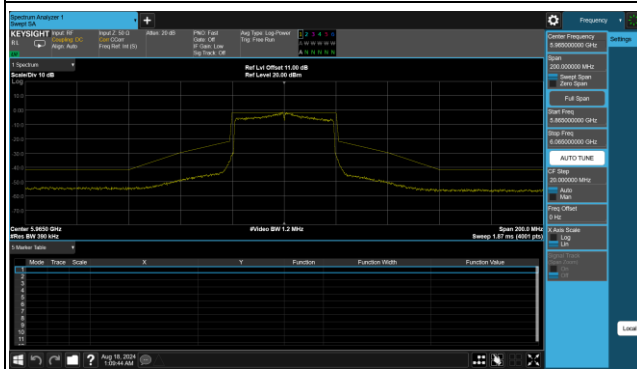
Reference No.: PSU-NQN2412310215RF03



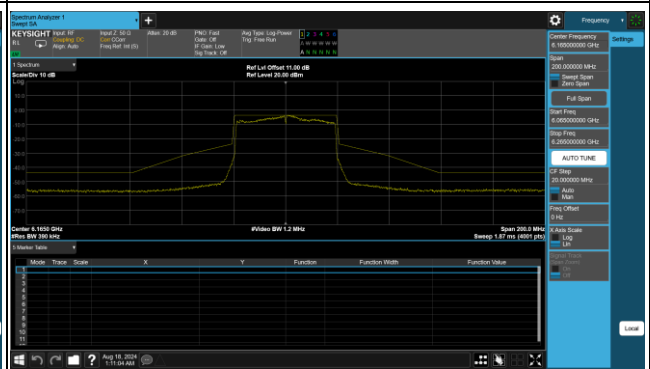
MIMO Antenna 8_802.11ax (HE40)

Spectrum Plot

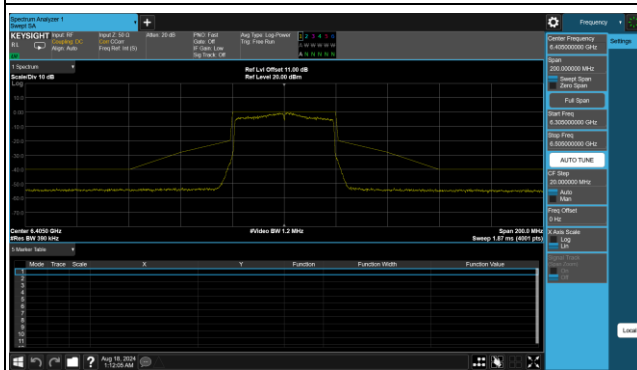
CH 3



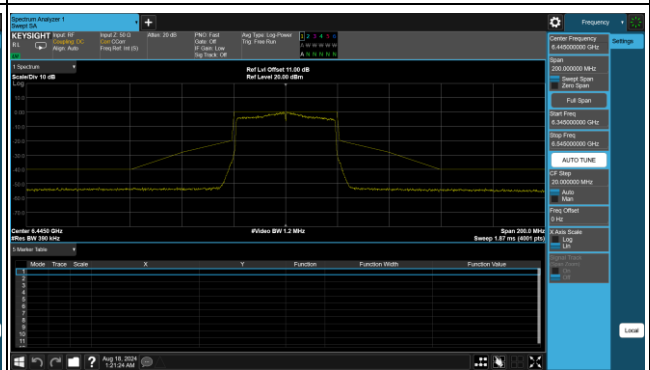
CH 43



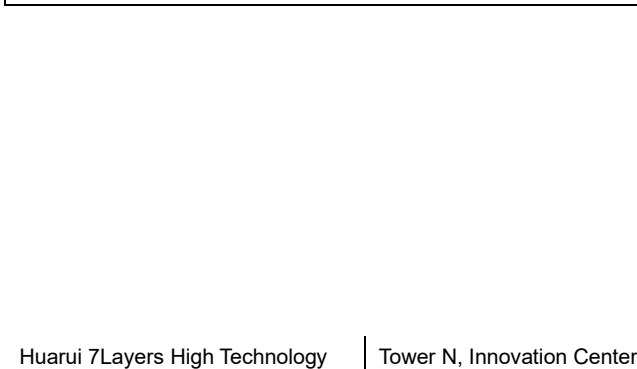
CH 91



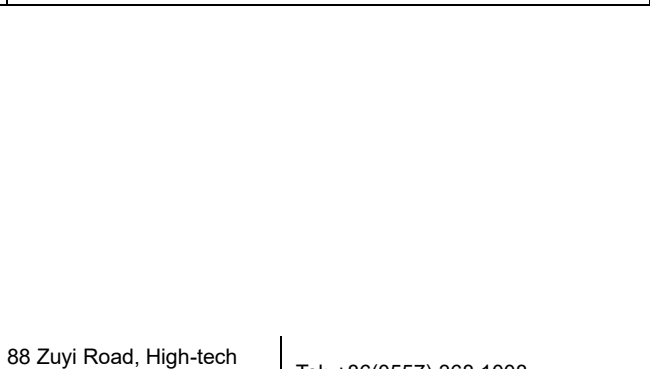
CH 99



CH 107



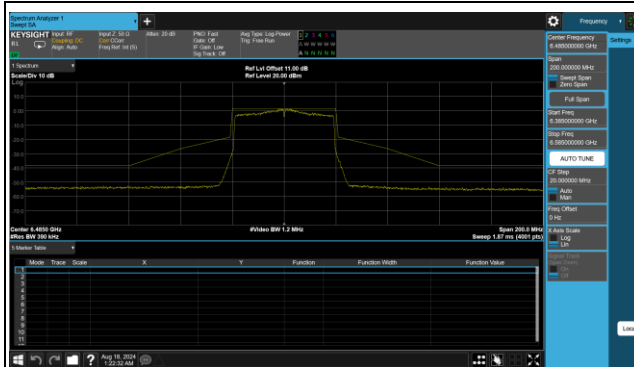
CH 115



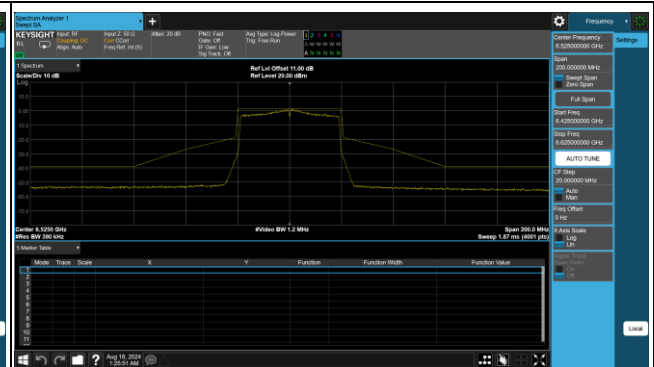


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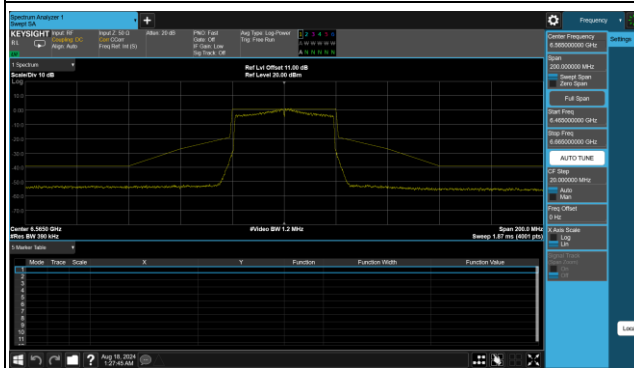
Reference No.: PSU-NQN2412310215RF03



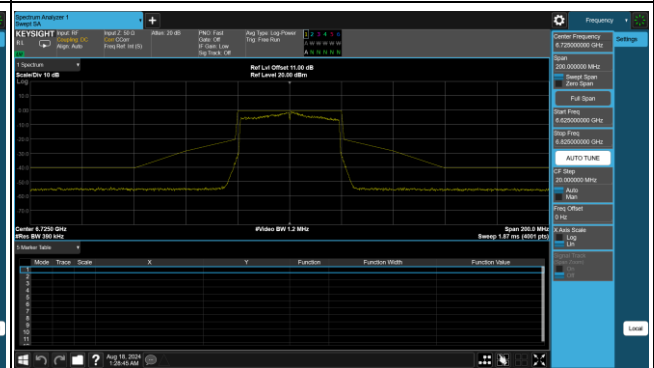
CH 123



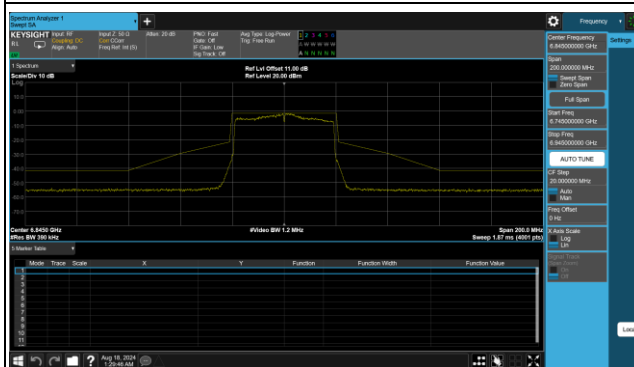
CH 155



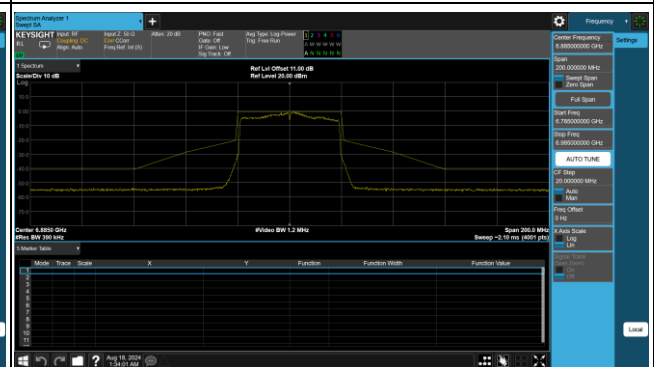
CH 179



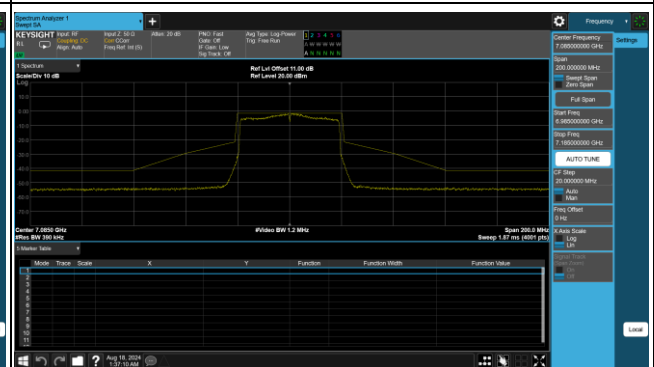
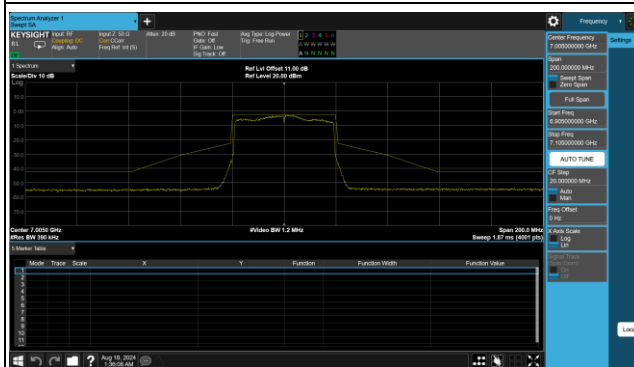
CH 187



CH 211

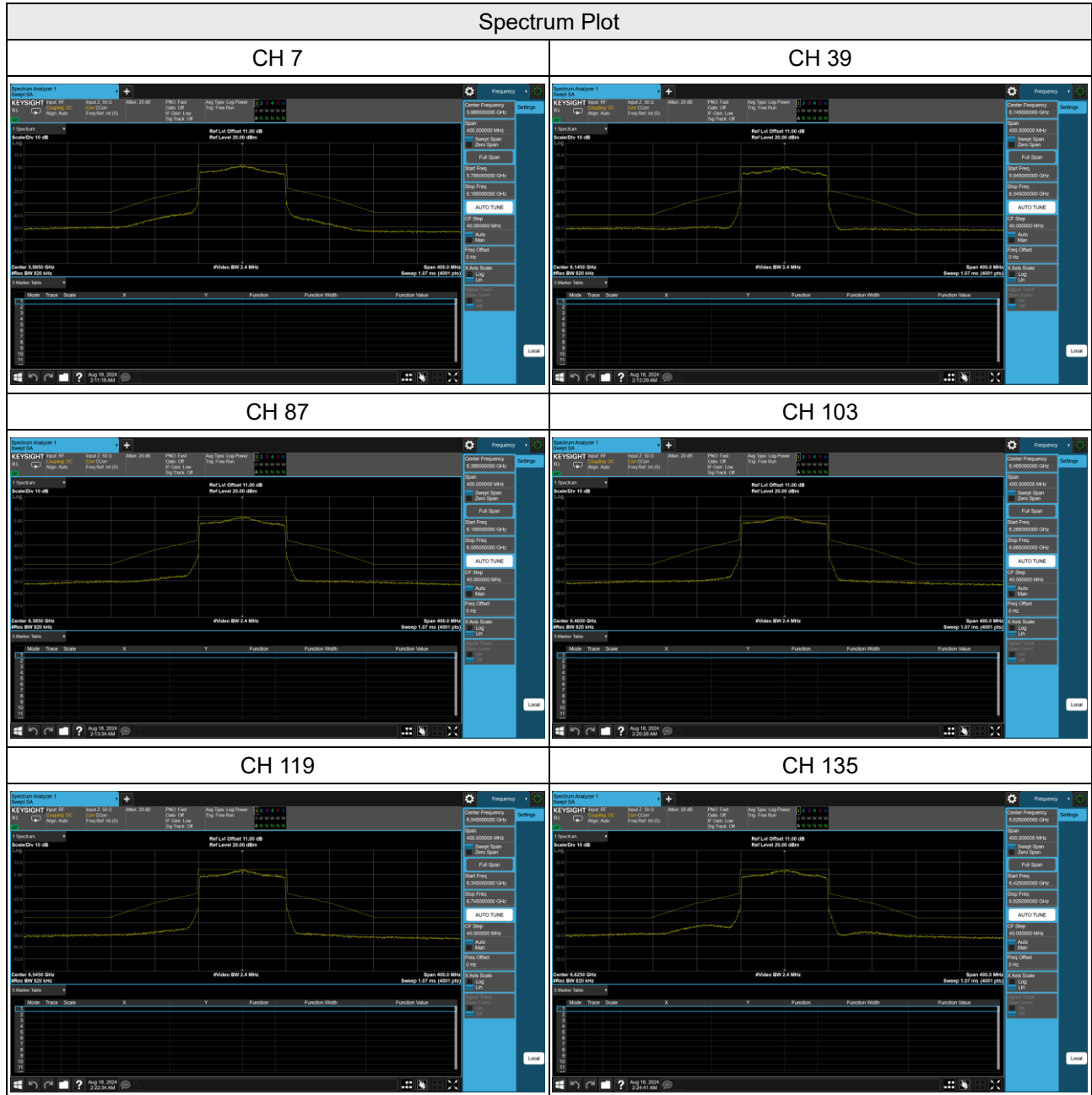


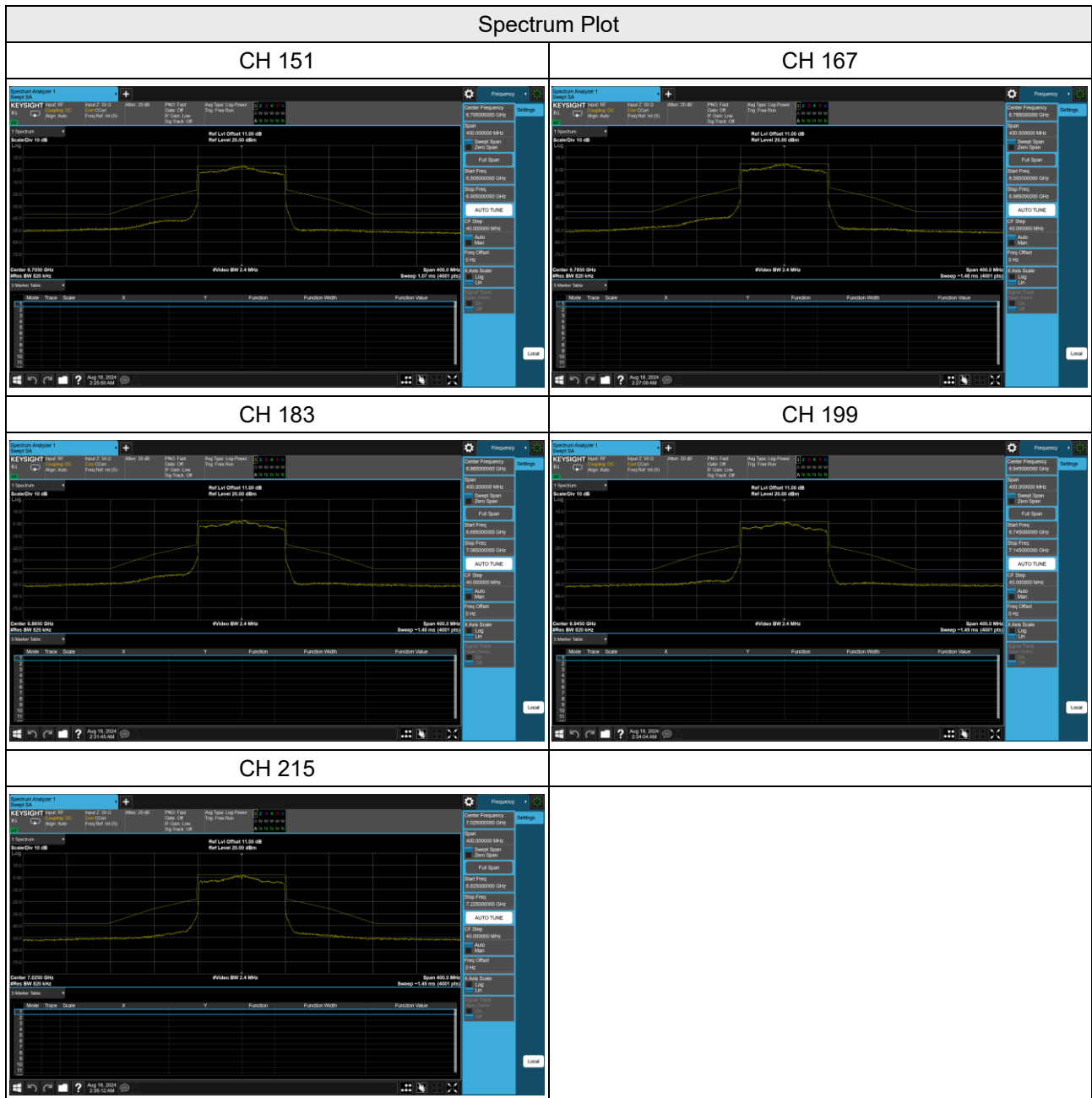
CH 227



MIMO Antenna 8_802.11ax (HE80)

Spectrum Plot



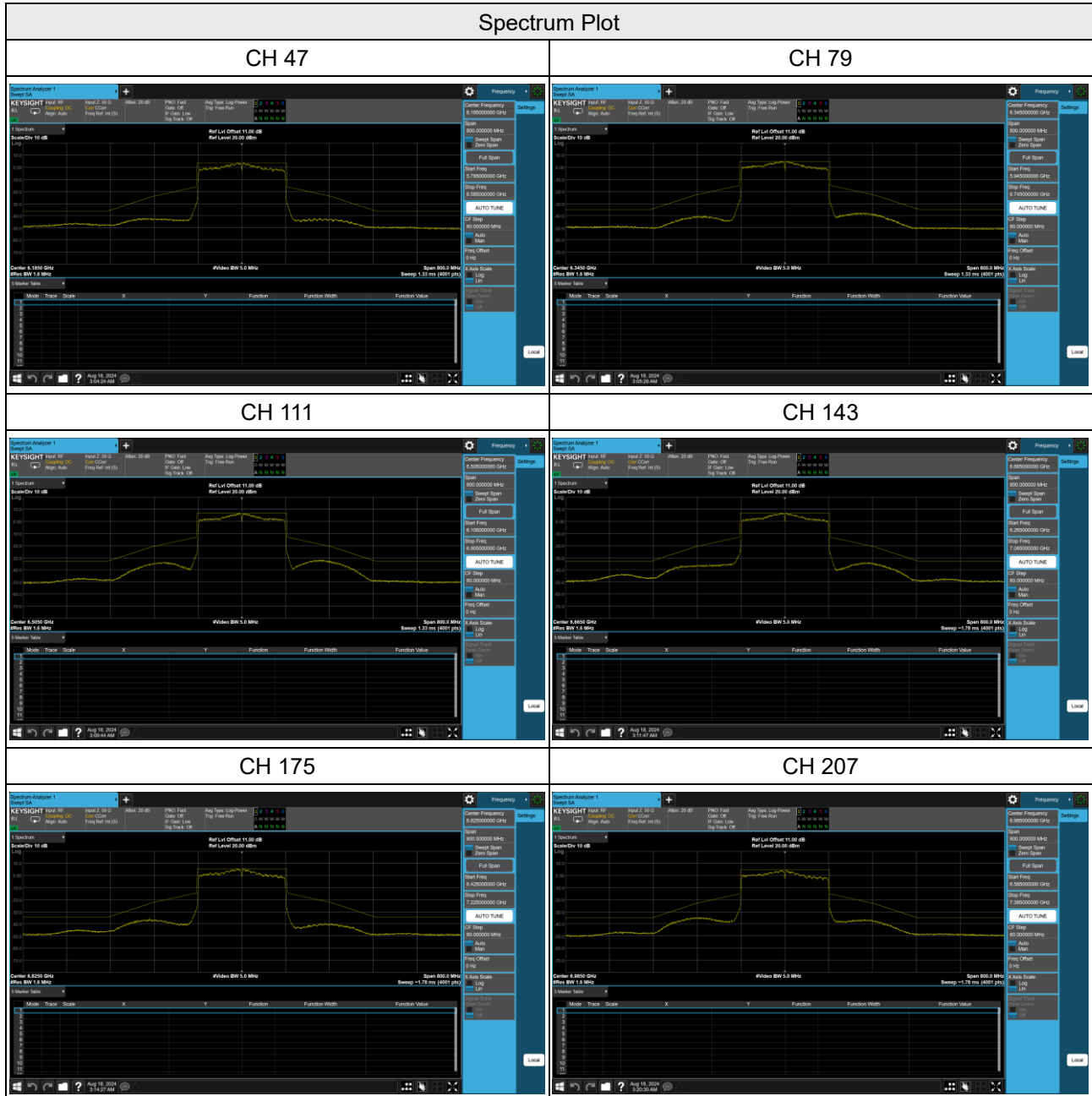




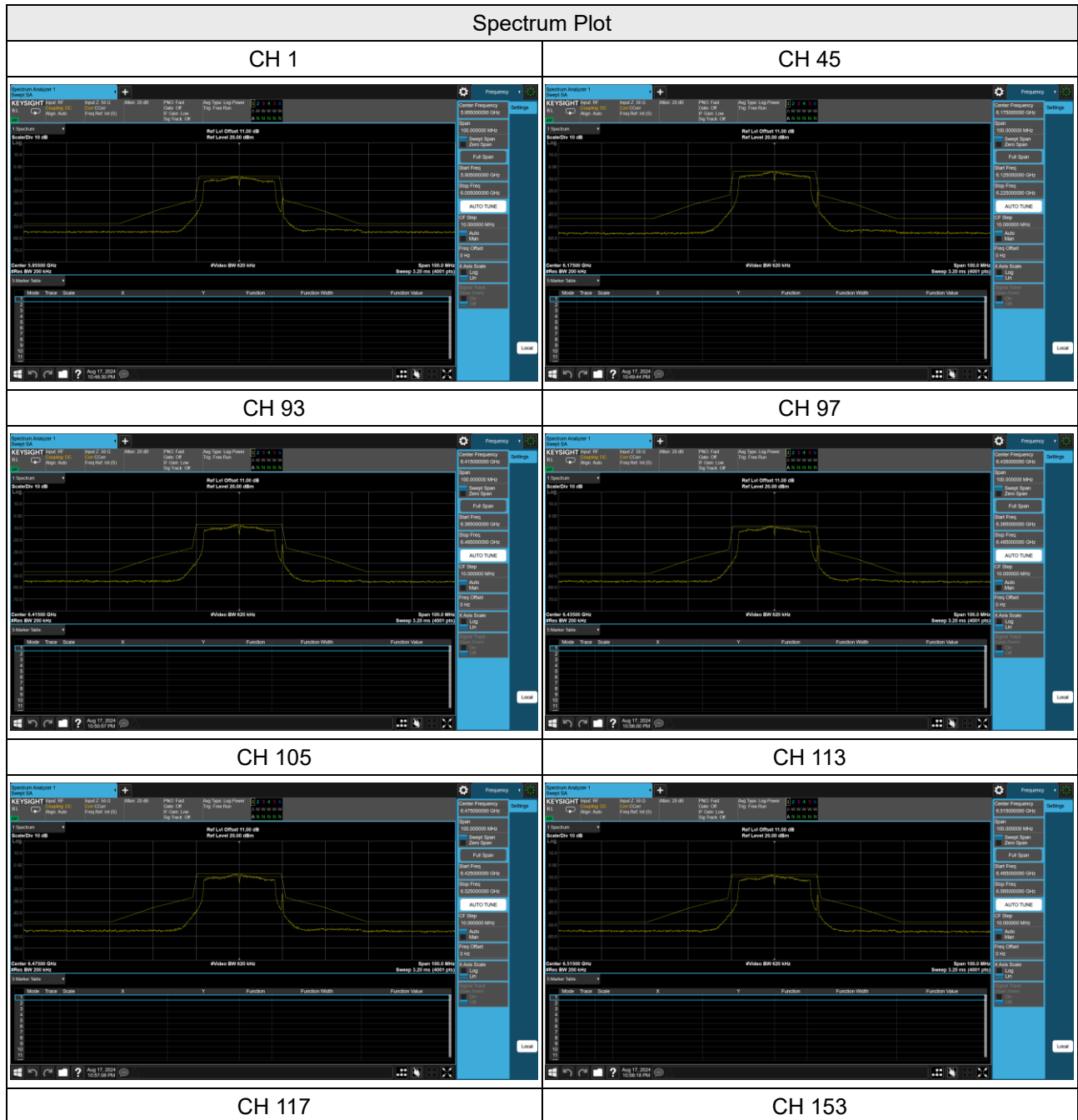
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Reference No.: PSU-NQN2412310215RF03

MIMO Antenna 8_802.11ax (HE160)



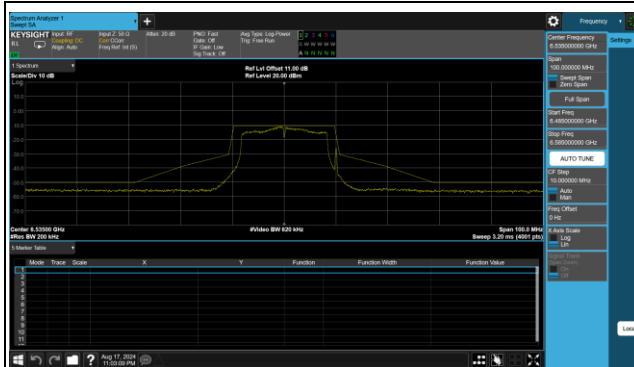
MIMO Antenna 9_802.11a



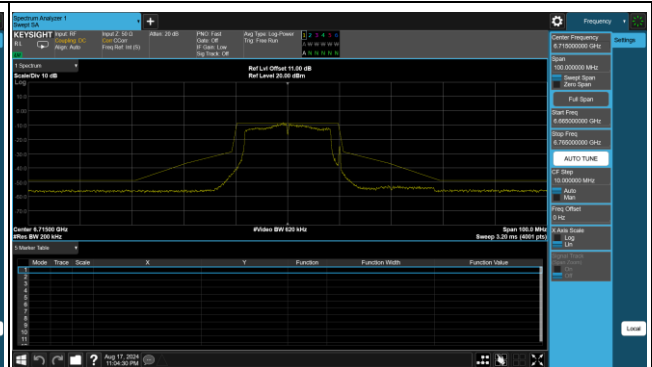


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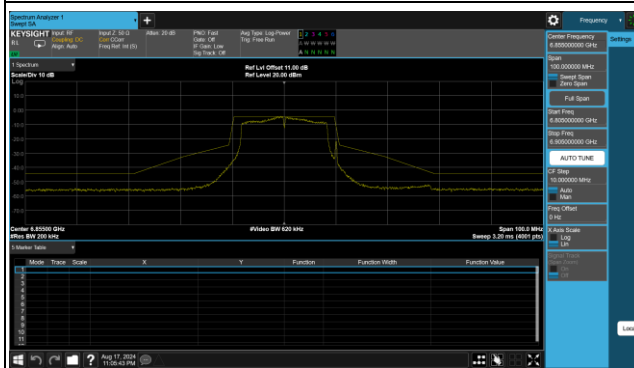
Reference No.: PSU-NQN2412310215RF03



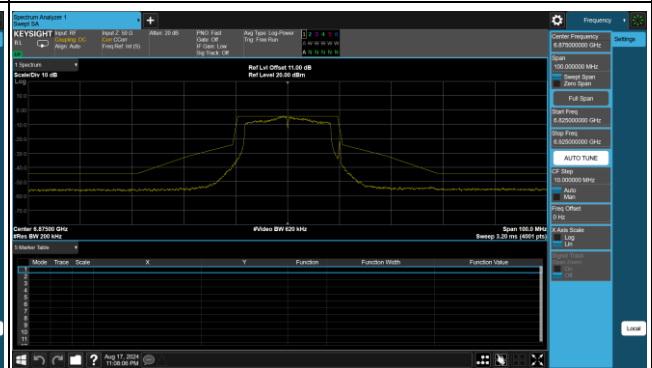
CH 181



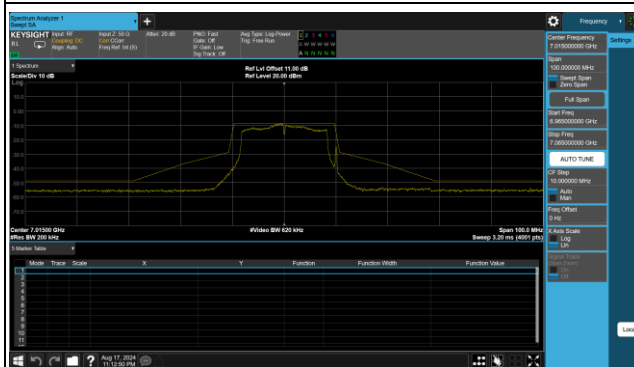
CH 185



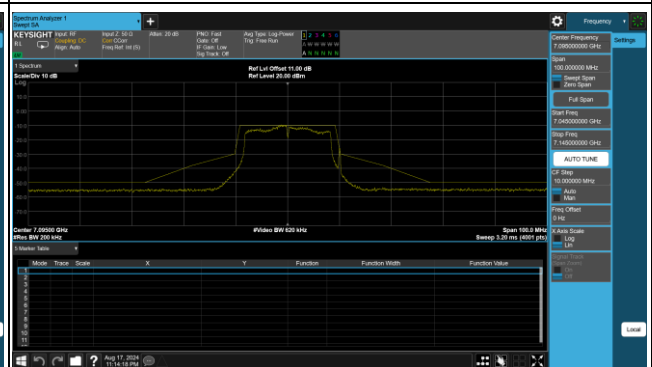
CH 213



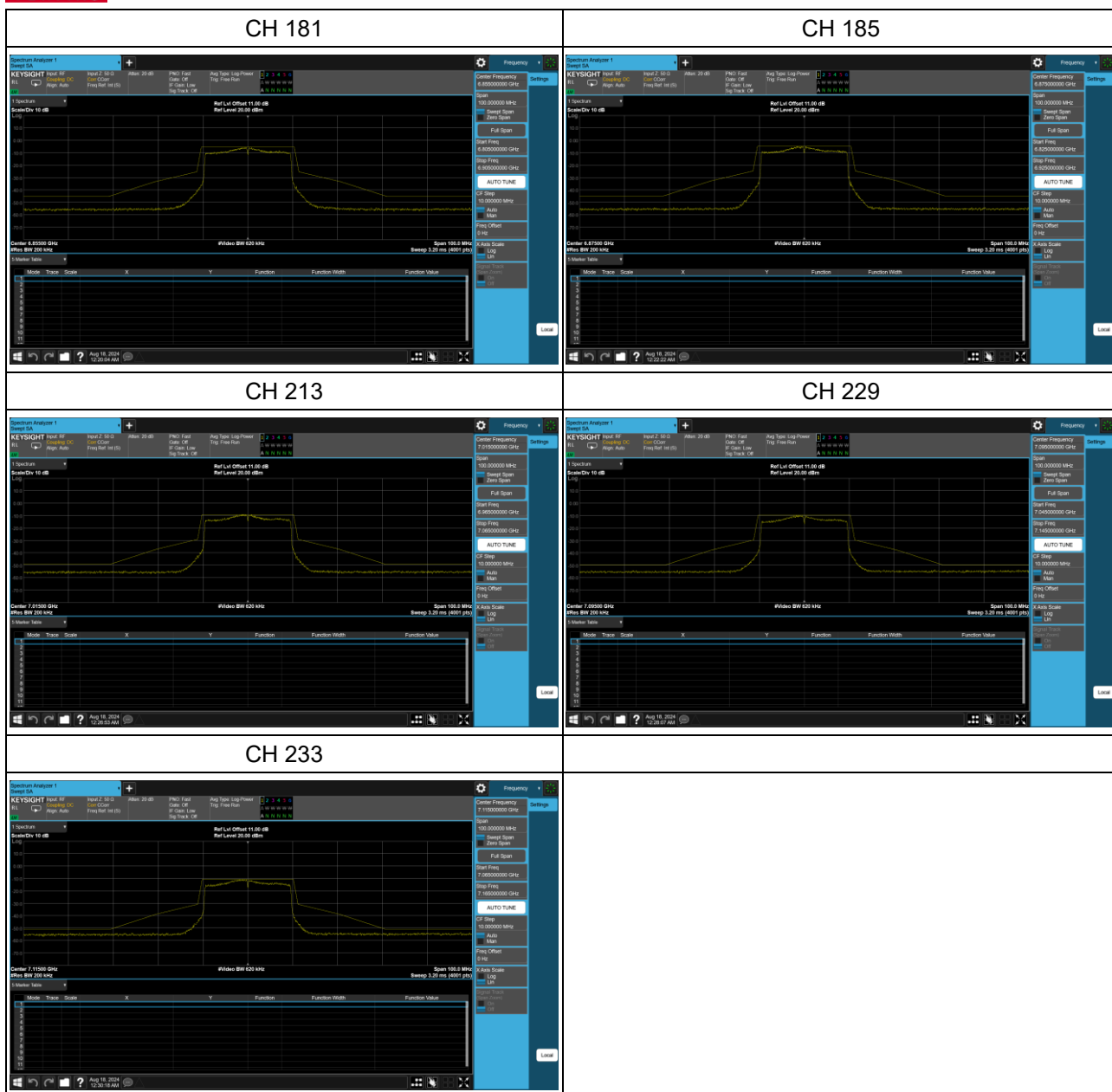
CH 229



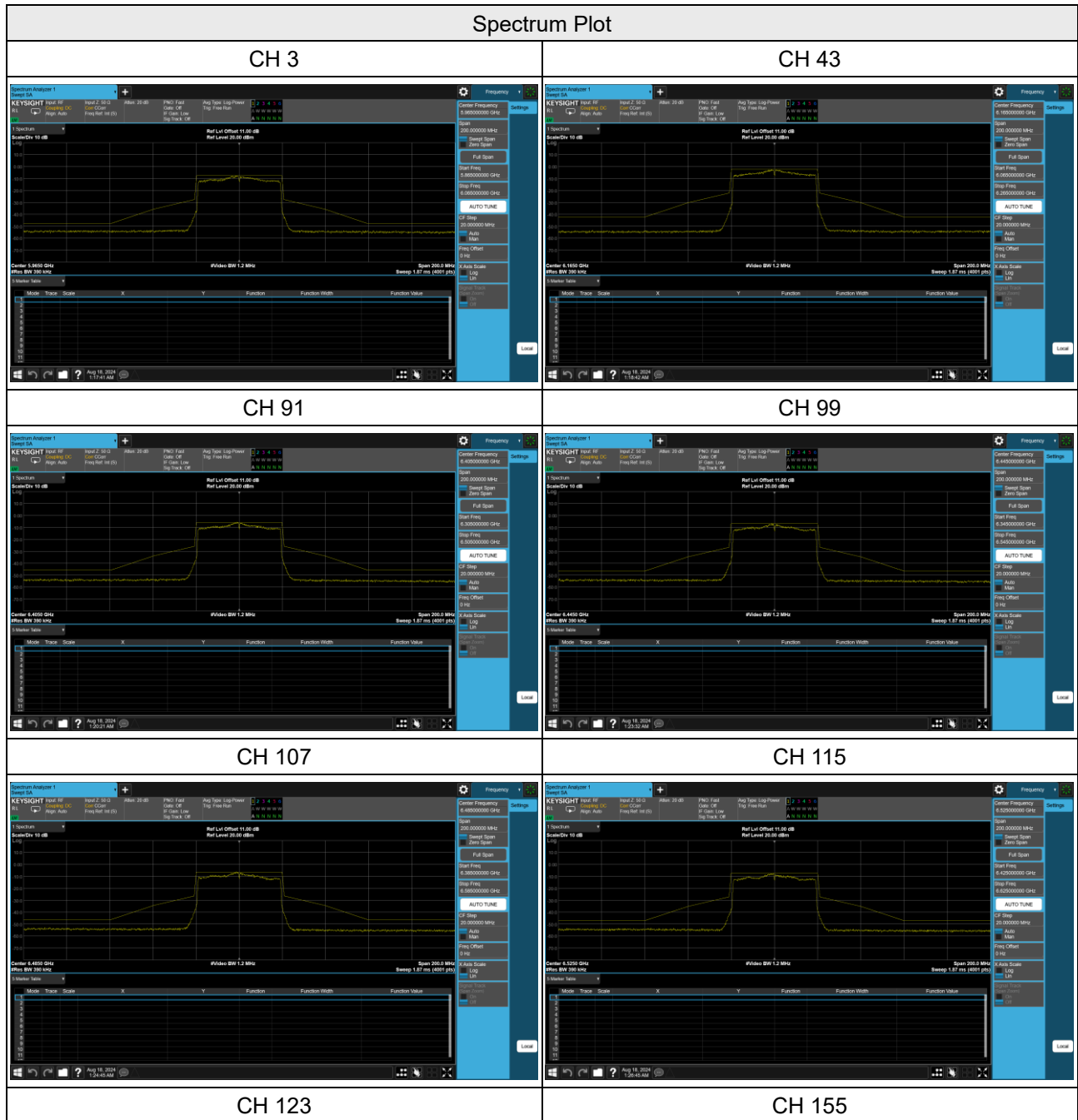
CH 233







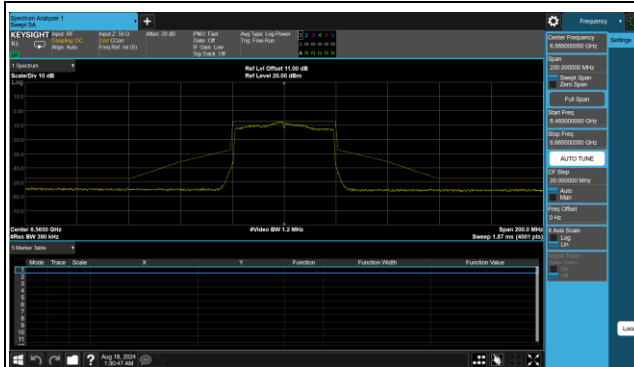
MIMO Antenna 9_802.11ax (HE40)



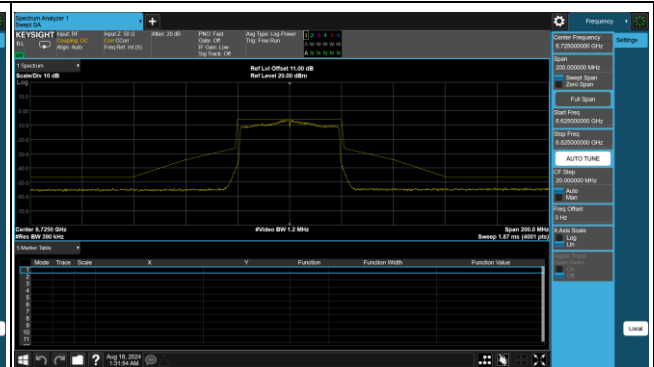


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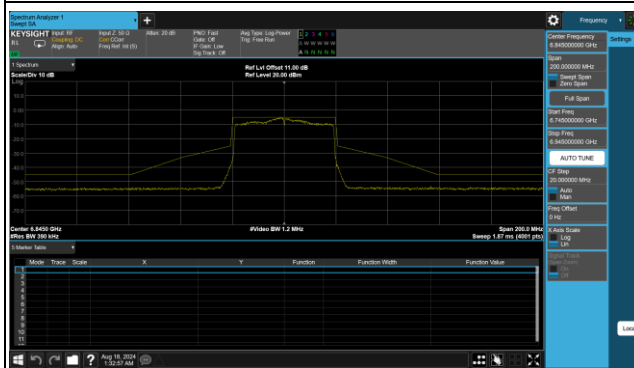
Reference No.: PSU-NQN2412310215RF03



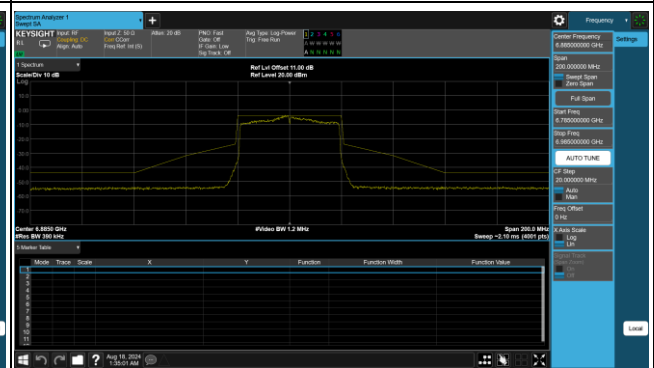
CH 179



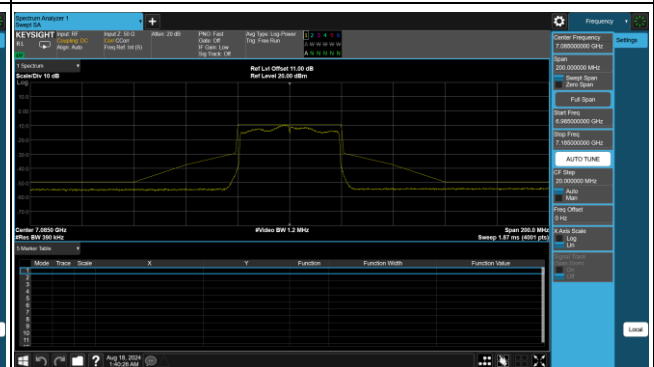
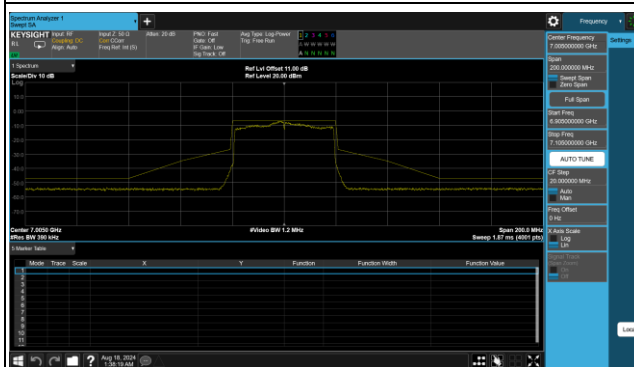
CH 187



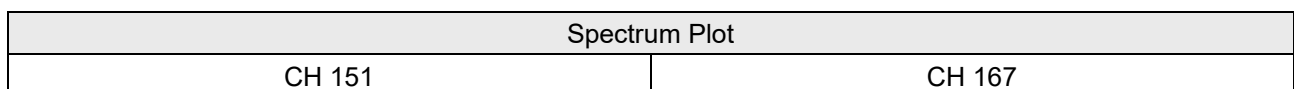
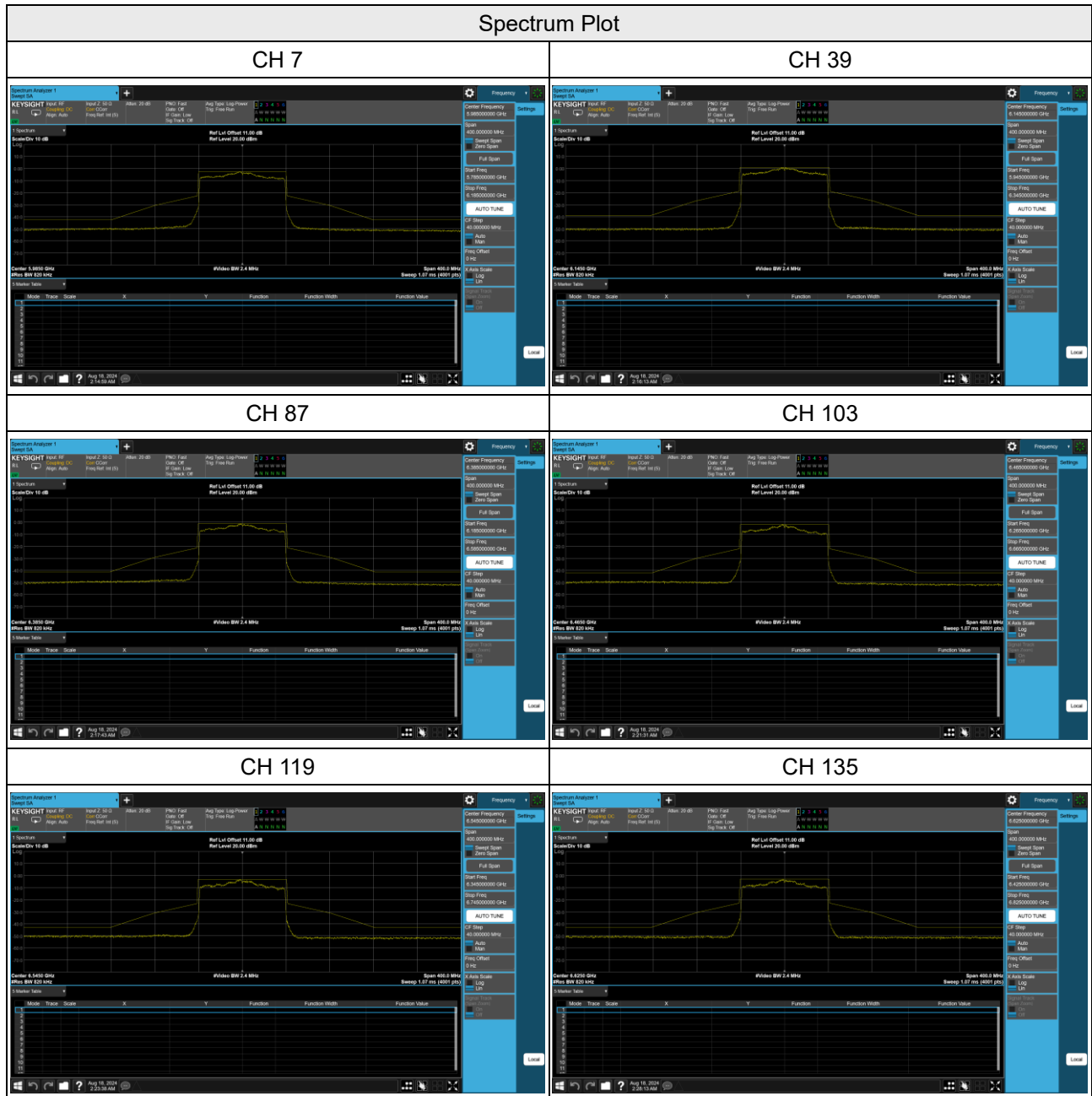
CH 211



CH 227



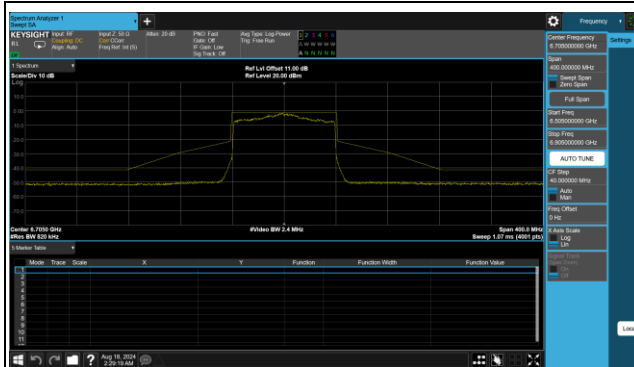
MIMO Antenna 9_802.11ax (HE80)



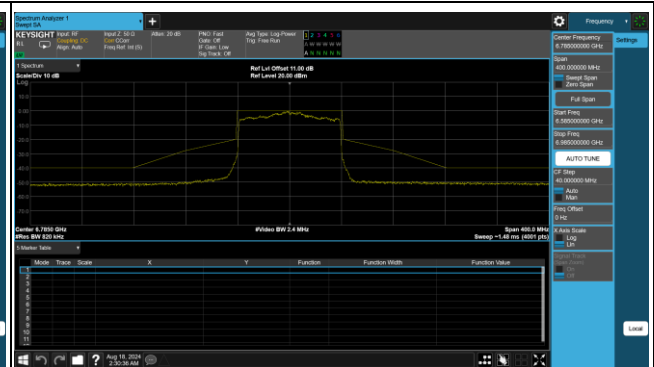


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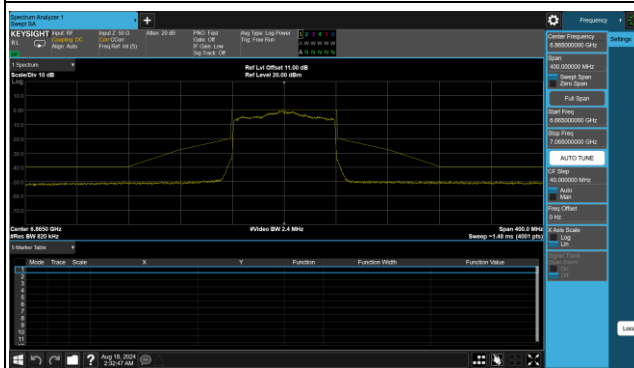
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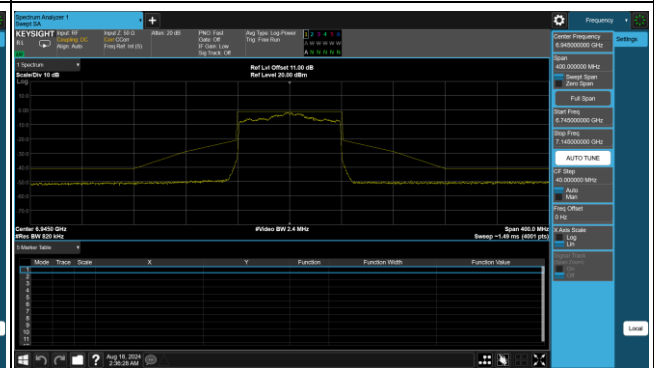
CH 183



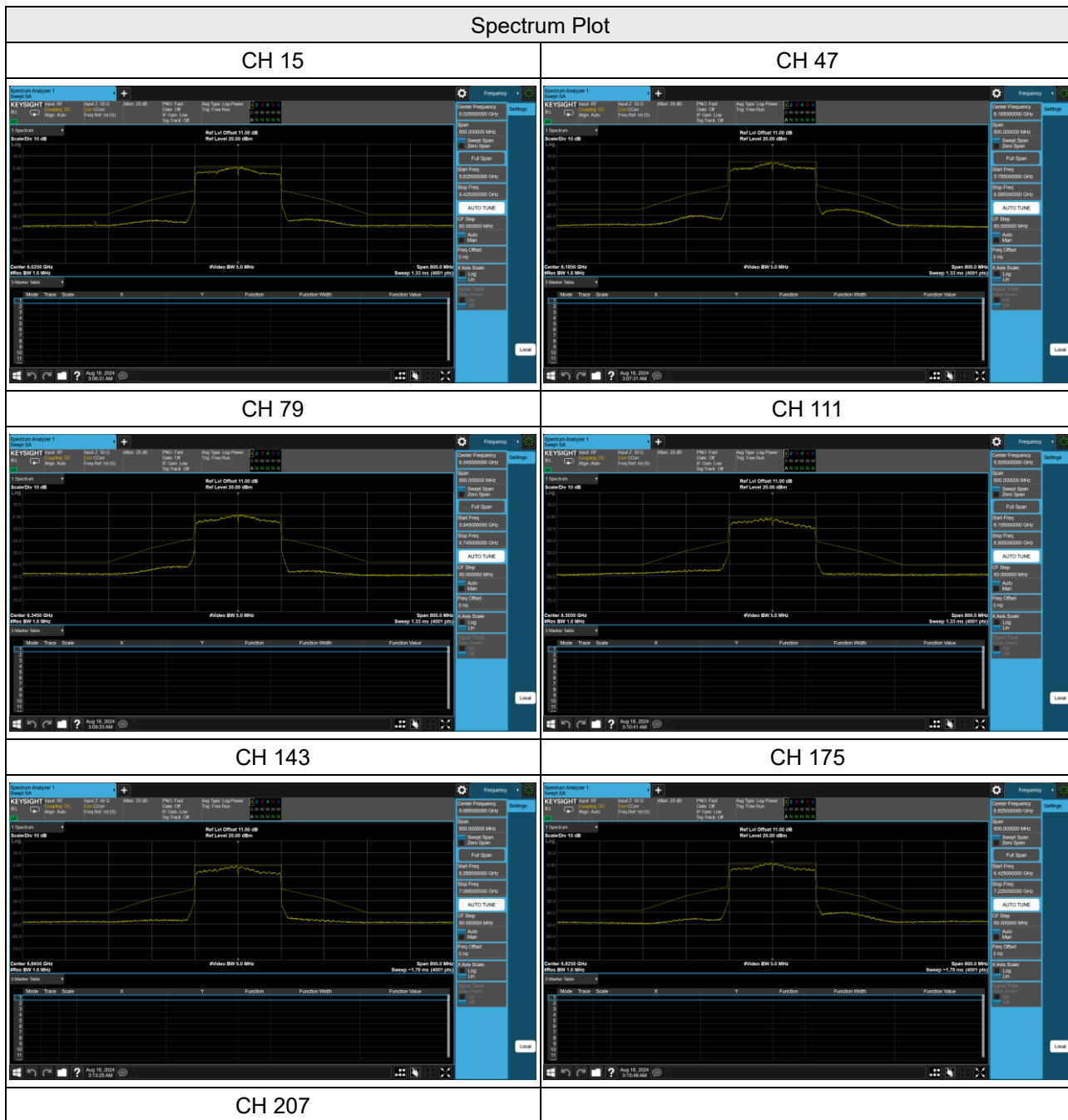
CH 199



CH 215



MIMO Antenna 9_802.11ax (HE160)



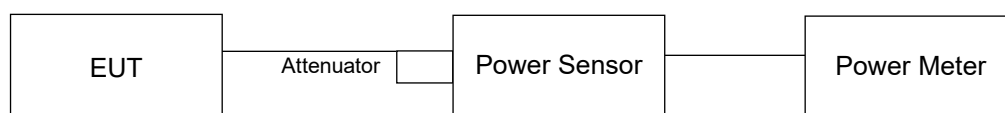
[illegible]

1.3 Transmit Power Measurement

1.3.1 Limits of Transmit Power Measurement

Operation Band	EUT Category	Limit
		Max Average Power
U-NII-5 U-NII-6 U-NII-7 U-NII-8	Client Devices (controlled of an indoor AP)	EIRP 24 dBm
U-NII-5 U-NII-7	Client Devices (controlled of a Standard Power AP)	EIRP 30 dBm

1.3.2 Test Setup



1.3.3 Test Procedure

Method PM is used to perform output power measurement, trigger and gating function of wide band power meter is enabled to measure max output power of TX on burst. Duty factor is not added to measured value.

1.3.4 Deviation from Test Standard

No deviation.

1.3.5 EUT Operating Conditions

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

1.3.6 Test Result

Under control of Indoor AP:

802.11a

Chan.	Chan. Freq. (MHz)	Chain	Result (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
1	5955	SISO 8	1.92	1.5	3.42	24.00	PASS
		SISO 9	1.92	-0.82	1.1	24.00	PASS
		MIMO 8	3.29	/	/	/	/
		MIMO 9	0.1	/	/	/	/
		Combined 8+9	4.99	1.5	6.49	24.00	PASS
45	6175	SISO 8	1.81	1.5	3.31	24.00	PASS
		SISO 9	2.14	-0.82	1.32	24.00	PASS
		MIMO 8	1.4	/	/	/	/
		MIMO 9	2.49	/	/	/	/
		Combined 8+9	4.99	1.5	6.49	24.00	PASS
93	6415	SISO 8	1.83	1.5	3.33	24.00	PASS
		SISO 9	2.03	-0.82	1.21	24.00	PASS
		MIMO 8	3.72	/	/	/	/
		MIMO 9	-0.03	/	/	/	/
		Combined 8+9	5.25	1.5	6.75	24.00	PASS
97	6435	SISO 8	1.96	0.94	2.9	24.00	PASS
		SISO 9	1.98	-7.91	-5.93	24.00	PASS
		MIMO 8	3.92	/	/	/	/
		MIMO 9	-0.83	/	/	/	/
		Combined 8+9	5.17	0.94	6.11	24.00	PASS
105	6475	SISO 8	2.01	0.94	2.95	24.00	PASS
		SISO 9	2.23	-7.91	-5.68	24.00	PASS
		MIMO 8	3.91	/	/	/	/
		MIMO 9	-0.59	/	/	/	/
		Combined 8+9	5.23	0.94	6.17	24.00	PASS
113	6515	SISO 8	1.92	0.94	2.86	24.00	PASS
		SISO 9	2.18	-7.91	-5.73	24.00	PASS
		MIMO 8	3.97	/	/	/	/
		MIMO 9	-0.54	/	/	/	/
		Combined 8+9	5.29	0.94	6.23	24.00	PASS
117	6535	SISO 8	2.14	1.51	3.65	24.00	PASS
		SISO 9	1.61	-5.07	-3.46	24.00	PASS
		MIMO 8	3.56	/	/	/	/



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		MIMO 9	-0.75	/	/	/	/
		Combined 8+9	4.93	1.51	6.44	24.00	PASS
153	6715	SISO 8	1.95	1.51	3.46	24.00	PASS
		SISO 9	1.92	-5.07	-3.15	24.00	PASS
		MIMO 8	3.17	/	/	/	/
		MIMO 9	0.18	/	/	/	/
		Combined 8+9	4.94	1.51	6.45	24.00	PASS
181	6855	SISO 8	2.06	1.51	3.57	24.00	PASS
		SISO 9	2.27	-5.07	-2.8	24.00	PASS
		MIMO 8	3.42	/	/	/	/
		MIMO 9	0.39	/	/	/	/
		Combined 8+9	5.17	1.51	6.68	24.00	PASS
185	6875	SISO 8	2.26	0.25	2.51	24.00	PASS
		SISO 9	1.84	-2.55	-0.71	24.00	PASS
		MIMO 8	3.64	/	/	/	/
		MIMO 9	0.47	/	/	/	/
		Combined 8+9	5.35	0.25	5.60	24.00	PASS
213	7015	SISO 8	2.36	0.25	2.61	24.00	PASS
		SISO 9	1.83	-2.55	-0.72	24.00	PASS
		MIMO 8	3.57	/	/	/	/
		MIMO 9	-1.13	/	/	/	/
		Combined 8+9	4.84	0.25	5.09	24.00	PASS
229	7095	SISO 8	2.01	0.25	2.26	24.00	PASS
		SISO 9	2.20	-2.55	-0.35	24.00	PASS
		MIMO 8	3.75	/	/	/	/
		MIMO 9	-0.22	/	/	/	/
		Combined 8+9	5.21	0.25	5.46	24.00	PASS
233	7115	SISO 8	2.15	0.25	2.4	24.00	PASS
		SISO 9	2.09	-2.55	-0.46	24.00	PASS
		MIMO 8	3.53	/	/	/	/
		MIMO 9	-0.26	/	/	/	/
		Combined 8+9	5.05	0.25	5.3	24.00	PASS

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	Chain	Result (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
1	5955	SISO 8	2.08	1.50	3.58	24.00	PASS
		SISO 9	2.08	-0.82	1.26	24.00	PASS
		MIMO 8	3.51	/	/	/	/
		MIMO 9	-0.13	/	/	/	/
		Combined 8+9	5.07	1.50	6.57	24.00	PASS

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Reference No.: PSU-NQN2412310215RF03

45	6175	SISO 8	2.22	1.50	3.72	24.00	PASS
		SISO 9	1.92	-0.82	1.10	24.00	PASS
		MIMO 8	1.58	/	/	/	/
		MIMO 9	2.71	/	/	/	/
		Combined 8+9	5.19	1.50	6.69	24.00	PASS
93	6415	SISO 8	1.97	1.50	3.47	24.00	PASS
		SISO 9	2.16	-0.82	1.34	24.00	PASS
		MIMO 8	3.69	/	/	/	/
		MIMO 9	-0.10	/	/	/	/
		Combined 8+9	5.21	1.50	6.71	24.00	PASS
97	6435	SISO 8	2.11	0.94	3.05	24.00	PASS
		SISO 9	2.14	-7.91	-5.77	24.00	PASS
		MIMO 8	3.69	/	/	/	/
		MIMO 9	-0.26	/	/	/	/
		Combined 8+9	5.16	0.94	6.10	24.00	PASS
105	6475	SISO 8	2.12	0.94	3.06	24.00	PASS
		SISO 9	1.95	-7.91	-5.96	24.00	PASS
		MIMO 8	3.69	/	/	/	/
		MIMO 9	-0.61	/	/	/	/
		Combined 8+9	5.06	0.94	6.00	24.00	PASS
113	6515	SISO 8	1.94	0.94	2.88	24.00	PASS
		SISO 9	2.12	-7.91	-5.79	24.00	PASS
		MIMO 8	3.50	/	/	/	/
		MIMO 9	-0.43	/	/	/	/
		Combined 8+9	4.98	0.94	5.92	24.00	PASS
117	6535	SISO 8	2.30	1.51	3.81	24.00	PASS
		SISO 9	2.24	-5.07	-2.83	24.00	PASS
		MIMO 8	3.77	/	/	/	/
		MIMO 9	-0.12	/	/	/	/
		Combined 8+9	5.26	1.51	6.77	24.00	PASS
153	6715	SISO 8	2.11	1.51	3.62	24.00	PASS
		SISO 9	2.25	-5.07	-2.82	24.00	PASS
		MIMO 8	3.26	/	/	/	/
		MIMO 9	0.94	/	/	/	/
		Combined 8+9	5.26	1.51	6.77	24.00	PASS
181	6855	SISO 8	2.16	1.51	3.67	24.00	PASS
		SISO 9	2.18	-5.07	-2.89	24.00	PASS
		MIMO 8	3.03	/	/	/	/
		MIMO 9	0.38	/	/	/	/
		Combined 8+9	4.91	1.51	6.42	24.00	PASS
185	6875	SISO 8	2.34	0.25	2.59	24.00	PASS



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		SISO 9	2.17	-2.55	-0.38	24.00	PASS
		MIMO 8	3.36	/	/	/	/
		MIMO 9	0.79	/	/	/	/
		Combined 8+9	5.27	0.25	5.52	24.00	PASS
213	7015	SISO 8	1.94	0.25	2.19	24.00	PASS
		SISO 9	1.97	-2.55	-0.58	24.00	PASS
		MIMO 8	3.52	/	/	/	/
		MIMO 9	-1.14	/	/	/	/
		Combined 8+9	4.80	0.25	5.05	24.00	PASS
229	7095	SISO 8	2.05	0.25	2.30	24.00	PASS
		SISO 9	1.96	-2.55	-0.59	24.00	PASS
		MIMO 8	3.95	/	/	/	/
		MIMO 9	-0.77	/	/	/	/
		Combined 8+9	5.21	0.25	5.46	24.00	PASS
233	7115	SISO 8	2.11	0.25	2.36	24.00	PASS
		SISO 9	2.32	-2.55	-0.23	24.00	PASS
		MIMO 8	3.66	/	/	/	/
		MIMO 9	-0.89	/	/	/	/
		Combined 8+9	4.97	0.25	5.22	24.00	PASS

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	Chain	Result (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
3	5965	SISO 8	5.32	1.50	6.82	24.00	PASS
		SISO 9	5.38	-0.82	4.56	24.00	PASS
		MIMO 8	5.88	/	/	/	/
		MIMO 9	3.61	/	/	/	/
		Combined 8+9	7.90	1.50	9.40	24.00	PASS
43	6165	SISO 8	5.35	1.50	6.85	24.00	PASS
		SISO 9	5.30	-0.82	4.48	24.00	PASS
		MIMO 8	4.59	/	/	/	/
		MIMO 9	5.58	/	/	/	/
		Combined 8+9	8.13	1.50	9.63	24.00	PASS
91	6405	SISO 8	5.30	1.50	6.80	24.00	PASS
		SISO 9	5.38	-0.82	4.56	24.00	PASS
		MIMO 8	6.69	/	/	/	/
		MIMO 9	2.74	/	/	/	/
		Combined 8+9	8.16	1.50	9.66	24.00	PASS
99	6445	SISO 8	5.30	0.94	6.24	24.00	PASS
		SISO 9	5.21	-7.91	-2.70	24.00	PASS
		MIMO 8	6.30	/	/	/	/

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		MIMO 9	2.24	/	/	/	/
		Combined 8+9	7.74	0.94	8.68	24.00	PASS
107	6485	SISO 8	5.06	0.94	6.00	24.00	PASS
		SISO 9	5.15	-7.91	-2.76	24.00	PASS
		MIMO 8	6.64	/	/	/	/
		MIMO 9	2.15	/	/	/	/
		Combined 8+9	7.96	0.94	8.90	24.00	PASS
115	6525	SISO 8	5.05	0.94	5.99	24.00	PASS
		SISO 9	5.03	-7.91	-2.88	24.00	PASS
		MIMO 8	6.72	/	/	/	/
		MIMO 9	2.44	/	/	/	/
		Combined 8+9	8.10	0.94	9.04	24.00	PASS
123	6565	SISO 8	4.76	1.51	6.27	24.00	PASS
		SISO 9	5.22	-5.07	0.15	24.00	PASS
		MIMO 8	6.26	/	/	/	/
		MIMO 9	2.68	/	/	/	/
		Combined 8+9	7.84	1.51	9.35	24.00	PASS
155	6725	SISO 8	5.25	1.51	6.76	24.00	PASS
		SISO 9	4.99	-5.07	-0.08	24.00	PASS
		MIMO 8	6.34	/	/	/	/
		MIMO 9	3.43	/	/	/	/
		Combined 8+9	8.13	1.51	9.64	24.00	PASS
179	6845	SISO 8	5.08	1.51	6.59	24.00	PASS
		SISO 9	4.92	-5.07	-0.15	24.00	PASS
		MIMO 8	6.65	/	/	/	/
		MIMO 9	3.22	/	/	/	/
		Combined 8+9	8.28	1.51	9.79	24.00	PASS
187	6885	SISO 8	5.07	0.25	5.32	24.00	PASS
		SISO 9	5.20	-2.55	2.65	24.00	PASS
		MIMO 8	6.56	/	/	/	/
		MIMO 9	3.39	/	/	/	/
		Combined 8+9	8.27	1.51	9.78	24.00	PASS
211	7005	SISO 8	5.09	0.25	5.34	24.00	PASS
		SISO 9	5.02	-2.55	2.47	24.00	PASS
		MIMO 8	6.36	/	/	/	/
		MIMO 9	2.74	/	/	/	/
		Combined 8+9	7.93	0.25	8.18	24.00	PASS
227	7085	SISO 8	5.33	0.25	5.58	24.00	PASS
		SISO 9	5.22	-2.55	2.67	24.00	PASS
		MIMO 8	7.17	/	/	/	/
		MIMO 9	1.56	/	/	/	/

		Combined 8+9	8.22	0.25	8.47	24.00	PASS
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802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	Chain	Result (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
7	5985	SISO 8	8.26	1.50	9.76	24.00	PASS
		SISO 9	7.93	-0.82	7.11	24.00	PASS
		MIMO 8	9.30	/	/	/	/
		MIMO 9	6.37	/	/	/	/
		Combined 8+9	11.09	1.50	12.59	24.00	PASS
39	6145	SISO 8	7.91	1.50	9.41	24.00	PASS
		SISO 9	7.99	-0.82	7.17	24.00	PASS
		MIMO 8	8.14	/	/	/	/
		MIMO 9	7.99	/	/	/	/
		Combined 8+9	11.08	1.50	12.58	24.00	PASS
87	6385	SISO 8	8.35	1.50	9.85	24.00	PASS
		SISO 9	7.95	-0.82	7.13	24.00	PASS
		MIMO 8	9.63	/	/	/	/
		MIMO 9	5.66	/	/	/	/
		Combined 8+9	11.09	1.50	12.59	24.00	PASS
103	6465	SISO 8	8.16	0.94	9.10	24.00	PASS
		SISO 9	7.65	-7.91	-0.26	24.00	PASS
		MIMO 8	9.94	/	/	/	/
		MIMO 9	4.89	/	/	/	/
		Combined 8+9	11.12	0.94	12.06	24.00	PASS
119	6545	SISO 8	8.21	1.51	9.72	24.00	PASS
		SISO 9	7.75	-5.07	2.68	24.00	PASS
		MIMO 8	9.98	/	/	/	/
		MIMO 9	5.34	/	/	/	/
		Combined 8+9	11.26	1.51	12.77	24.00	PASS
135	6625	SISO 8	7.94	1.51	9.45	24.00	PASS
		SISO 9	7.08	-5.07	2.01	24.00	PASS
		MIMO 8	9.67	/	/	/	/
		MIMO 9	5.08	/	/	/	/
		Combined 8+9	10.97	1.51	12.48	24.00	PASS
151	6705	SISO 8	8.17	1.51	9.68	24.00	PASS
		SISO 9	7.72	-5.07	2.65	24.00	PASS
		MIMO 8	9.58	/	/	/	/
		MIMO 9	5.85	/	/	/	/



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		Combined 8+9	11.11	1.51	12.62	24.00	PASS
167	6785	SISO 8	8.09	1.51	9.60	24.00	PASS
		SISO 9	8.27	-5.07	3.20	24.00	PASS
		MIMO 8	10.13	/	/	/	/
		MIMO 9	4.99	/	/	/	/
		Combined 8+9	11.29	1.51	12.80	24.00	PASS
183	6865	SISO 8	8.07	1.51	9.58	24.00	PASS
		SISO 9	7.96	-5.07	2.89	24.00	PASS
		MIMO 8	8.97	/	/	/	/
		MIMO 9	5.45	/	/	/	/
		Combined 8+9	10.57	1.51	12.08	24.00	PASS
199	6945	SISO 8	7.89	0.25	8.14	24.00	PASS
		SISO 9	7.92	-2.55	5.37	24.00	PASS
		MIMO 8	9.07	/	/	/	/
		MIMO 9	5.52	/	/	/	/
		Combined 8+9	10.66	0.25	10.91	24.00	PASS
215	7025	SISO 8	8.33	0.25	8.58	24.00	PASS
		SISO 9	7.71	-2.55	5.16	24.00	PASS
		MIMO 8	9.45	/	/	/	/
		MIMO 9	5.48	/	/	/	/
		Combined 8+9	10.91	0.25	11.16	24.00	PASS

802.11ax (HE160)

Chan.	Chan. Freq. (MHz)	Chain	Result (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
15	6025	SISO 8	11.20	1.50	12.70	24.00	PASS
		SISO 9	10.91	-0.82	10.09	24.00	PASS
		MIMO 8	11.43	/	/	/	/
		MIMO 9	10.12	/	/	/	/
		Combined 8+9	13.83	1.50	15.33	24.00	PASS
47	6185	SISO 8	10.94	1.50	12.44	24.00	PASS
		SISO 9	11.20	-0.82	10.38	24.00	PASS
		MIMO 8	11.06	/	/	/	/
		MIMO 9	11.28	/	/	/	/
		Combined 8+9	14.18	1.50	15.68	24.00	PASS
79	6345	SISO 8	10.98	1.50	12.48	24.00	PASS
		SISO 9	10.17	-0.82	9.35	24.00	PASS
		MIMO 8	12.56	/	/	/	/



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		MIMO 9	8.48	/	/	/	/
		Combined 8+9	13.99	1.50	15.49	24.00	PASS
111	6505	SISO 8	10.91	0.94	11.85	24.00	PASS
		SISO 9	10.78	-7.91	2.87	24.00	PASS
		MIMO 8	12.75	/	/	/	/
		MIMO 9	6.52	/	/	/	/
		Combined 8+9	13.68	0.94	14.62	24.00	PASS
143	6665	SISO 8	10.61	1.51	12.12	24.00	PASS
		SISO 9	11.36	-5.07	6.29	24.00	PASS
		MIMO 8	13.14	/	/	/	/
		MIMO 9	6.97	/	/	/	/
		Combined 8+9	14.08	1.51	15.59	24.00	PASS
175	6825	SISO 8	11.20	1.51	12.71	24.00	PASS
		SISO 9	11.65	-5.07	6.58	24.00	PASS
		MIMO 8	12.94	/	/	/	/
		MIMO 9	8.51	/	/	/	/
		Combined 8+9	14.28	1.51	15.79	24.00	PASS
207	6985	SISO 8	11.31	0.25	11.56	24.00	PASS
		SISO 9	10.75	-2.55	8.20	24.00	PASS
		MIMO 8	12.70	/	/	/	/
		MIMO 9	8.76	/	/	/	/
		Combined 8+9	14.17	0.25	14.42	24.00	PASS

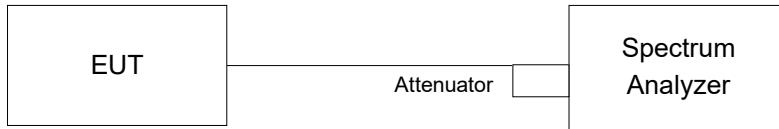


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1.4 Emission Bandwidth Measurement

1.4.1 Test Setup



1.4.2 Test Procedure

For 99% Occupied Bandwidth

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with resolution bandwidth in the range of 1% to 5% of the anticipated emission bandwidth, and a video bandwidth at least 3x the resolution bandwidth and set the detector to sampling. The width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5 % of the total mean power of a given emission.

For 26dB Bandwidth

- Set RBW = approximately 1% of the emission bandwidth.
- Set the VBW > RBW.
- Detector = Peak.
- Trace mode = max hold.
- Measure the maximum width of the emission that is 26 dB down from the peak of the emission.
Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

1.4.3 Test Result

99% Occupied Bandwidth

Under control of Indoor AP:

SISO 802.11a

Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)		
		Chain 8	Chain 9	Limit (MHz)
1	5955	16.354	16.327	320
45	6175	16.370	16.332	320
93	6415	16.360	16.382	320
97	6435	16.326	16.337	320
105	6475	16.342	16.338	320
113	6515	16.347	16.348	320
117	6535	16.350	16.342	320
153	6715	16.333	16.355	320
181	6855	16.369	16.343	320
185	6875	16.353	16.320	320
213	7015	16.354	16.359	320
229	7095	16.334	16.361	320
233	7115	16.357	16.331	320

SISO 802.11ax (HE20)

Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)		
		Chain 8	Chain 9	Limit (MHz)
1	5955	18.843	18.870	320
45	6175	18.856	18.818	320
93	6415	18.893	18.870	320
97	6435	18.834	18.852	320
105	6475	18.900	18.905	320
113	6515	18.869	18.903	320
117	6535	18.862	18.912	320
153	6715	18.848	18.879	320
181	6855	18.850	18.871	320
185	6875	18.855	18.907	320
213	7015	18.894	18.834	320
229	7095	18.837	18.908	320
233	7115	18.886	18.855	320

SISO 802.11ax (HE40)

Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)		
		Chain 8	Chain 9	Limit (MHz)
3	5965	37.621	37.525	320
43	6165	37.592	37.634	320
91	6405	37.534	37.541	320
99	6445	37.635	37.538	320
107	6485	37.528	37.599	320
115	6525	37.574	37.667	320
123	6565	37.573	37.477	320
155	6725	37.585	37.554	320
179	6845	37.597	37.608	320
187	6885	37.513	37.650	320
211	7005	37.569	37.639	320
227	7085	37.604	37.524	320

SISO 802.11ax (HE80)

Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)		
		Chain 8	Chain 9	Limit (MHz)
7	5985	76.533	76.570	320
39	6145	76.416	76.712	320
87	6385	76.611	76.706	320
103	6465	76.721	76.949	320
119	6545	76.692	77.053	320
135	6625	76.728	76.807	320
151	6705	76.661	76.723	320
167	6785	76.619	76.825	320
183	6865	76.873	77.077	320
199	6945	76.702	76.852	320
215	7025	76.650	76.848	320

SISO 802.11ax (HE160)

Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)		
		Chain 8	Chain 9	Limit (MHz)
15	6025	154.390	154.550	320
47	6185	154.830	154.380	320
79	6345	154.480	153.880	320
111	6505	154.570	155.150	320
143	6665	155.000	154.810	320
175	6825	155.430	154.780	320
207	6985	154.360	154.650	320

MIMO 802.11a

Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)		
		Chain 8	Chain 9	Limit (MHz)
1	5955	16.329	16.344	320
45	6175	16.325	16.339	320
93	6415	16.310	16.303	320
97	6435	16.349	16.320	320
105	6475	16.351	16.315	320
113	6515	16.345	16.323	320
117	6535	16.332	16.306	320
153	6715	16.315	16.328	320
181	6855	16.317	16.295	320
185	6875	16.325	16.323	320
213	7015	16.352	16.335	320
229	7095	16.370	16.313	320
233	7115	16.364	16.326	320

MIMO 802.11ax (HE20)

Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)		
		Chain 8	Chain 9	Limit (MHz)
1	5955	18.918	18.823	320
45	6175	18.866	18.876	320
93	6415	18.904	18.880	320
97	6435	18.864	18.873	320
105	6475	18.851	18.889	320
113	6515	18.887	18.868	320
117	6535	18.879	18.891	320
153	6715	18.860	18.849	320
181	6855	18.931	18.892	320
185	6875	18.890	18.905	320
213	7015	18.874	18.885	320



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229	7095	18.884	18.886	320
233	7115	18.874	18.856	320

MIMO 802.11ax (HE40)

Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)		
		Chain 8	Chain 9	Limit (MHz)
3	5965	37.727	37.501	320
43	6165	37.540	37.638	320
91	6405	37.639	37.567	320
99	6445	37.665	37.569	320
107	6485	37.507	37.585	320
115	6525	37.650	37.602	320
123	6565	37.559	37.645	320
155	6725	37.643	37.586	320
179	6845	37.573	37.670	320
187	6885	37.587	37.697	320
211	7005	37.592	37.488	320
227	7085	37.607	37.683	320

MIMO 802.11ax (HE80)

Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)		
		Chain 8	Chain 9	Limit (MHz)
7	5985	76.743	76.639	320
39	6145	76.699	76.799	320
87	6385	76.612	76.512	320
103	6465	76.623	76.851	320
119	6545	76.859	76.858	320
135	6625	76.804	77.025	320
151	6705	76.658	76.870	320
167	6785	76.879	76.716	320
183	6865	76.685	76.952	320
199	6945	76.755	76.725	320
215	7025	76.655	76.825	320

MIMO 802.11ax (HE160)

Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)		
		Chain 8	Chain 9	Limit (MHz)
15	6025	153.950	154.790	320
47	6185	155.140	155.440	320
79	6345	155.320	155.250	320
111	6505	155.320	155.000	320
143	6665	155.140	155.150	320
175	6825	155.100	155.640	320
207	6985	155.230	155.100	320

26dB Bandwidth

Under control of Indoor AP:

SISO 802.11a

Chan.	Freq. (MHz)	26dB Bandwidth (MHz)		
		Chain 8	Chain 9	Limit (MHz)
1	5955	19.388	18.636	320
45	6175	19.419	19.337	320
93	6415	18.502	19.476	320
97	6435	19.473	19.330	320
105	6475	19.338	19.437	320
113	6515	19.330	19.408	320
117	6535	19.549	19.624	320
153	6715	19.241	19.283	320
181	6855	19.232	19.364	320
185	6875	19.506	19.441	320
213	7015	19.631	19.559	320
229	7095	19.573	19.527	320
233	7115	19.491	19.480	320

SISO 802.11ax (HE20)

Chan.	Freq. (MHz)	26dB Bandwidth (MHz)		
		Chain 8	Chain 9	Limit (MHz)
1	5955	20.513	20.643	320
45	6175	20.655	19.959	320
93	6415	20.598	20.680	320
97	6435	20.617	20.580	320
105	6475	20.730	20.419	320
113	6515	20.552	20.797	320
117	6535	20.638	20.592	320
153	6715	20.661	20.823	320
181	6855	20.655	20.449	320
185	6875	20.690	20.634	320

213	7015	20.715	20.341	320
229	7095	20.676	20.537	320
233	7115	20.574	20.606	320

SISO 802.11ax (HE40)

Chan.	Freq. (MHz)	26dB Bandwidth (MHz)		
		Chain 8	Chain 9	Limit (MHz)
3	5965	39.585	39.594	320
43	6165	39.819	39.848	320
91	6405	39.699	40.214	320
99	6445	39.912	40.115	320
107	6485	39.949	39.999	320
115	6525	40.052	39.853	320
123	6565	40.106	39.737	320
155	6725	39.854	39.690	320
179	6845	39.871	39.948	320
187	6885	39.865	40.142	320
211	7005	40.194	39.718	320
227	7085	40.005	39.870	320

SISO 802.11ax (HE80)

Chan.	Freq. (MHz)	26dB Bandwidth (MHz)		
		Chain 8	Chain 9	Limit (MHz)
7	5985	80.756	81.227	320
39	6145	80.739	81.104	320
87	6385	80.885	80.747	320
103	6465	80.901	80.459	320
119	6545	81.007	81.540	320
135	6625	81.307	81.312	320
151	6705	80.712	81.213	320
167	6785	81.054	82.219	320
183	6865	81.246	81.207	320
199	6945	80.287	80.887	320



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215	7025	81.293	80.954	320
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SISO 802.11ax (HE160)

Chan.	Freq. (MHz)	26dB Bandwidth (MHz)		
		Chain 8	Chain 9	Limit (MHz)
15	6025	163.923	163.589	320
47	6185	162.857	163.362	320
79	6345	163.655	162.718	320
111	6505	162.418	163.331	320
143	6665	165.330	162.471	320
175	6825	162.480	162.420	320
207	6985	162.188	163.534	320

MIMO 802.11a

Chan.	Freq. (MHz)	26dB Bandwidth (MHz)		
		Chain 8	Chain 9	Limit (MHz)
1	5955	19.297	18.585	320
45	6175	19.320	18.885	320
93	6415	19.599	19.795	320
97	6435	19.106	19.276	320
105	6475	19.512	19.598	320
113	6515	19.443	19.642	320
117	6535	19.363	19.461	320
153	6715	19.411	19.570	320
181	6855	19.532	19.383	320
185	6875	19.289	19.254	320
213	7015	19.546	19.448	320
229	7095	19.312	18.386	320
233	7115	19.475	19.286	320

MIMO 802.11ax (HE20)



**BUREAU
VERITAS**

Reference No.: PSU-NQN2412310215RF03

Chan.	Freq. (MHz)	26dB Bandwidth (MHz)		
		Chain 8	Chain 9	Limit (MHz)
1	5955	20.704	20.496	320
45	6175	20.401	20.905	320
93	6415	20.922	20.611	320
97	6435	20.625	20.749	320
105	6475	21.062	20.566	320
113	6515	20.423	20.622	320
117	6535	20.677	20.483	320
153	6715	20.833	20.547	320
181	6855	20.548	20.759	320
185	6875	20.779	20.827	320
213	7015	20.627	20.421	320
229	7095	20.628	20.542	320
233	7115	20.425	20.370	320

MIMO 802.11ax (HE40)

Chan.	Freq. (MHz)	26dB Bandwidth (MHz)		
		Chain 8	Chain 9	Limit (MHz)
3	5965	40.188	39.547	320
43	6165	39.377	39.901	320
91	6405	39.812	39.740	320
99	6445	39.661	40.116	320
107	6485	39.871	39.891	320
115	6525	39.749	40.108	320
123	6565	39.988	39.589	320
155	6725	40.019	40.159	320
179	6845	40.273	39.542	320
187	6885	39.866	39.901	320
211	7005	39.716	39.793	320
227	7085	40.359	39.845	320

MIMO 802.11ax (HE80)

Chan.	Freq. (MHz)	26dB Bandwidth (MHz)		
		Chain 8	Chain 9	Limit (MHz)
7	5985	81.153	80.150	320
39	6145	80.921	81.476	320
87	6385	80.760	80.881	320
103	6465	80.661	80.657	320
119	6545	81.161	81.175	320
135	6625	81.438	81.053	320
151	6705	80.761	81.066	320
167	6785	81.021	80.749	320
183	6865	80.563	81.002	320
199	6945	80.685	80.582	320
215	7025	80.904	80.741	320

MIMO 802.11ax (HE160)

Chan.	Freq. (MHz)	26dB Bandwidth (MHz)		
		Chain 8	Chain 9	Limit (MHz)
15	6025	162.541	161.636	320
47	6185	163.554	163.173	320
79	6345	164.237	162.387	320
111	6505	163.626	162.703	320
143	6665	163.090	162.047	320
175	6825	163.080	162.658	320
207	6985	161.792	165.180	320

Under control of Indoor AP:

SISO Antenna 8_802.11a

