Appendix F

Report No.:	CISRR24070402605
FCC ID:	2BHK3-MRX1
Product Name:	MR Headset
Model No.:	MRX1
Test Engineer:	Lucas Huang
Supervised by:	Rory Huang

Frequency Stability

Measured all conditions and recorded worst case.

IEEE 802.11a Mode/5470MHz~5725MHz/ 5500 MHz

Enviroment Temperature(Dregree)	Voltage(v)	Center Frequency (MHz)	Calculated Value of Center Frequency(MHz)	Value(ppm)	State
20	HV	5500.0	5500.008982	-1.633	PASS
20	LV	5500.0	5500.007635	-1.388	PASS
50	NV	5500.0	5500.007807	-1.419	PASS
40	NV	5500.0	5500.004364	-0.794	PASS
30	NV	5500.0	5500.014289	-2.598	PASS
20	NV	5500.0	5500.011758	-2.138	PASS
10	NV	5500.0	5500.009717	-1.767	PASS
0	NV	5500.0	5500.002220	-0.404	PASS
-10	NV	5500.0	5500.013748	-2.500	PASS
-20	NV	5500.0	5500.011937	-2.170	PASS
-30	NV	5500.0	5500.009389	-1.707	PASS

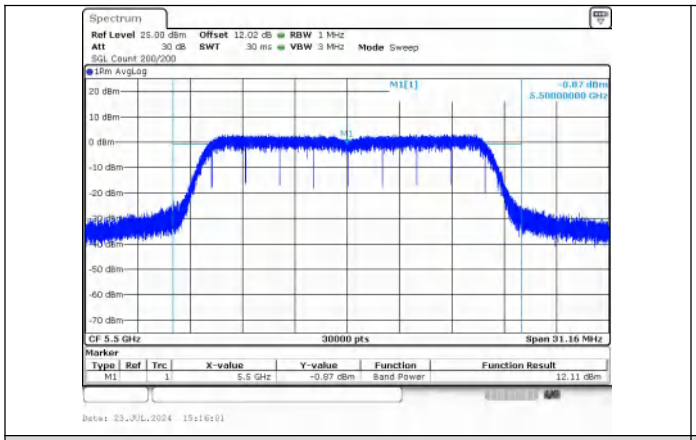
IEEE 802.11a Mode/5470MHz~5725MHz/ 5700 MHz

Enviroment Temperature(Dregree)	Voltage(v)	Center Frequency (MHz)	Calculated Value of Center Frequency(MHz)	Value(ppm)	State
20	HV	5700.0	5700.008557	-1.501	PASS
20	LV	5700.0	5700.014281	-2.505	PASS
50	NV	5700.0	5700.003387	-0.594	PASS
40	NV	5700.0	5700.011535	-2.024	PASS
30	NV	5700.0	5700.005841	-1.025	PASS
20	NV	5700.0	5700.011177	-1.961	PASS
10	NV	5700.0	5700.012154	-2.132	PASS
0	NV	5700.0	5700.004448	-0.780	PASS
-10	NV	5700.0	5700.012328	-2.163	PASS
-20	NV	5700.0	5700.010461	-1.835	PASS
-30	NV	5700.0	5700.015591	-2.735	PASS

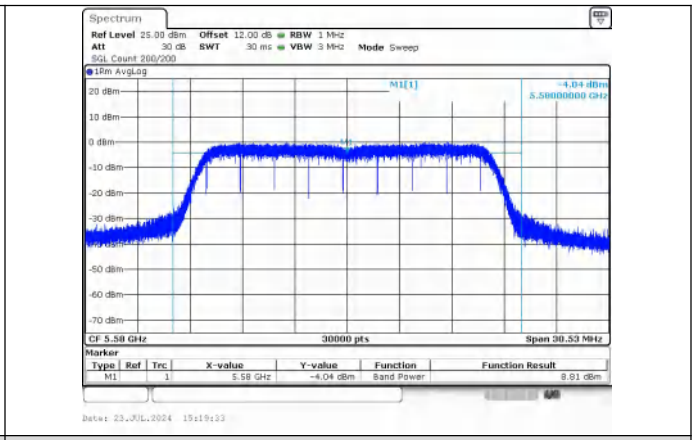
Conducted AVG Output Power

Conducted output power

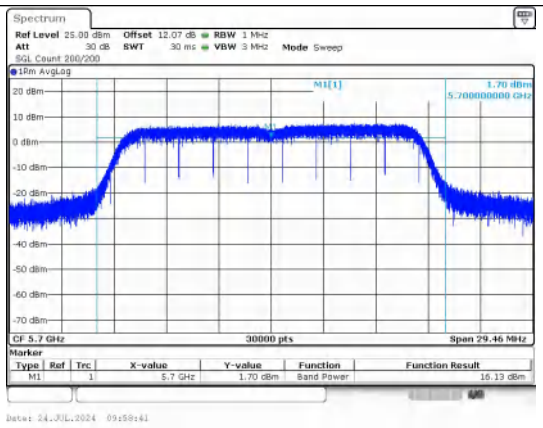
Mode	Channel	RU & Index	Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11a	100	N/A	12.12	≤24	PASS
	116		8.81	≤24	PASS
	140		16.13	≤24	PASS
IEEE 802.11n_20	100		14.71	≤24	PASS
	116		8.62	≤24	PASS
	140		10.94	≤24	PASS
IEEE 802.11n_40	110		10.39	≤24	PASS
	134		10.23	≤24	PASS
IEEE 802.11ac_20	100		14.85	≤24	PASS
	116		8.58	≤24	PASS
	140		11.25	≤24	PASS
IEEE 802.11ac_40	110		10.60	≤24	PASS
	134		14.47	≤24	PASS
IEEE 802.11ac_80	106		11.27	≤24	PASS
	122		13.99	≤24	PASS
IEEE 802.11ac_160	114		10.71	≤24	PASS
IEEE 802.11ax_20	100	SU	5.41	≤24	PASS
	116		12.86	≤24	PASS
	140		15.59	≤24	PASS
IEEE 802.11ax_40	102		13.60	≤24	PASS
	110		11.79	≤24	PASS
	134		11.45	≤24	PASS
IEEE 802.11ax_80	106		13.77	≤24	PASS
	122		9.33	≤24	PASS
IEEE 802.11ax_160	114		9.89	≤24	PASS



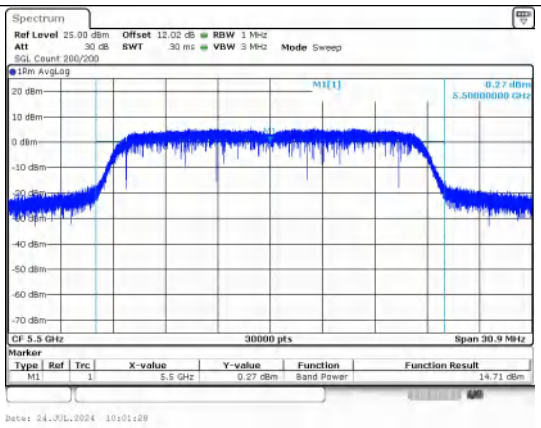
Conducted AVG output power
IEEE 802.11a_Channel 100_Antenna 0



Conducted AVG output power
IEEE 802.11a_Channel 116_Antenna 0



Conducted AVG output power
IEEE 802.11a_Channel 140_Antenna 0



Conducted AVG output power
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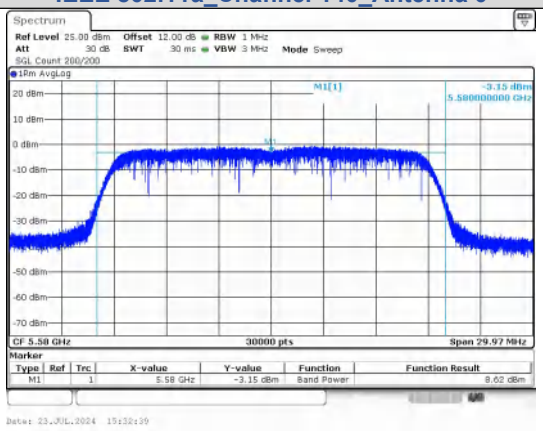

Conducted AVG output power
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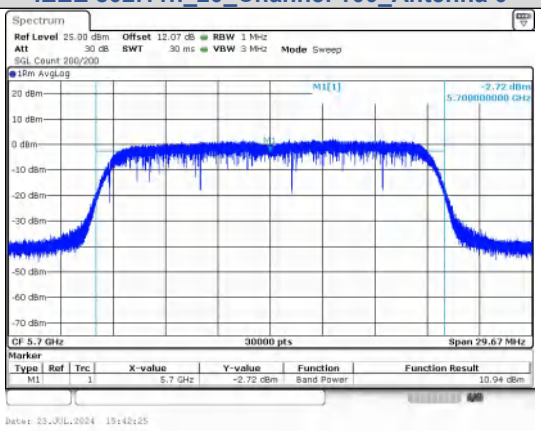

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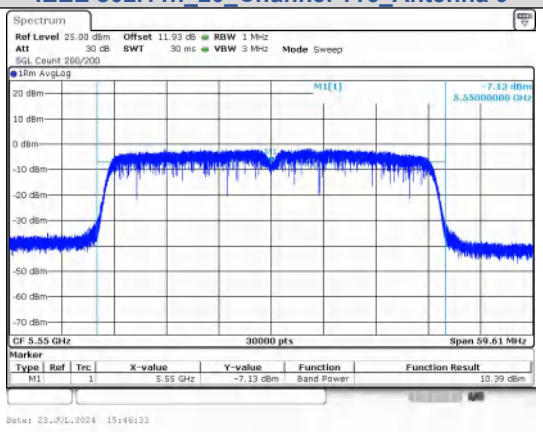
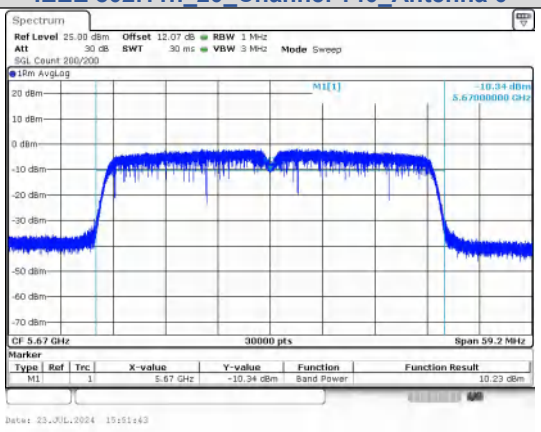


Conducted AVG output power
IEEE 802.11n_40_Channel 110_Antenna 0



Conducted AVG output power
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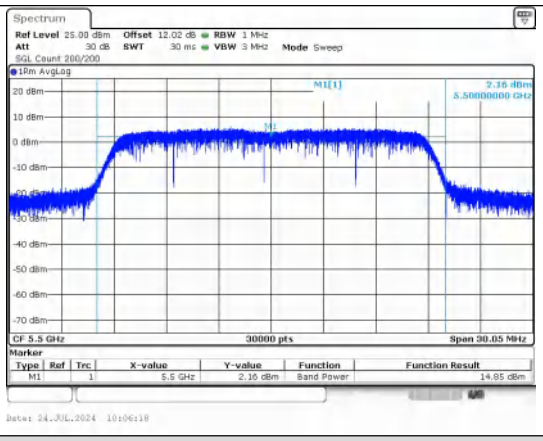
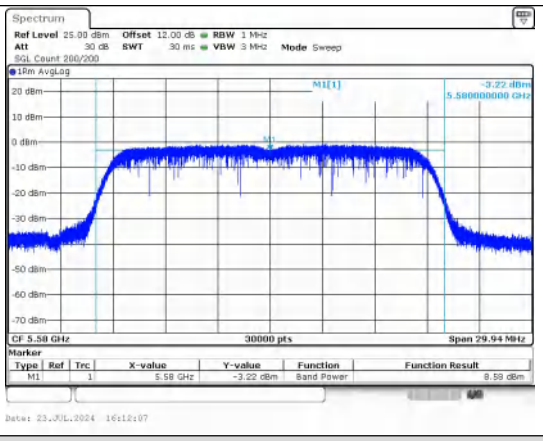
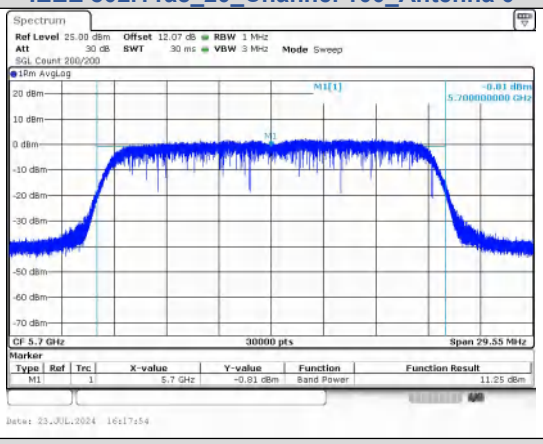


Conducted AVG output power
IEEE 802.11ac_20_Channel 100_Antenna 0



Conducted AVG output power
IEEE 802.11ac_20_Channel 116_Antenna 0



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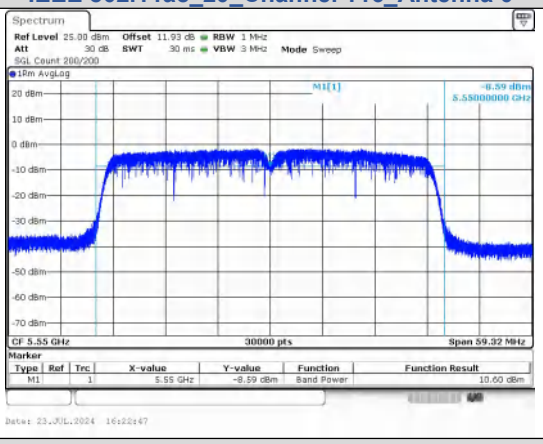
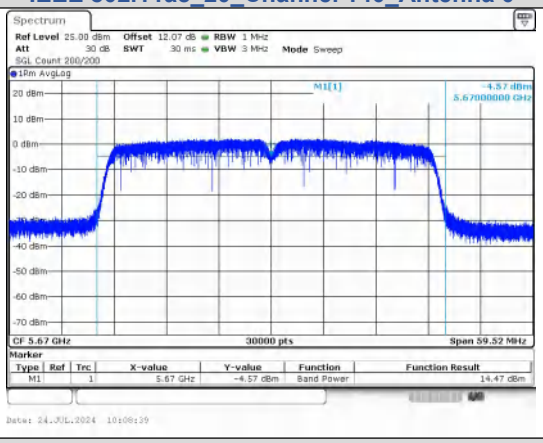
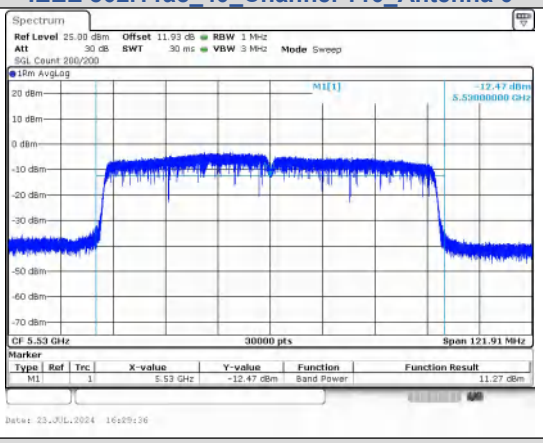
IEEE 802.11ac_20_Channel 140_Antenna 0



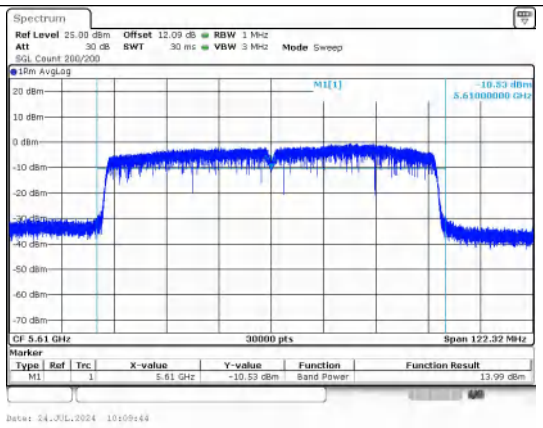
Conducted AVG output power
IEEE 802.11ac_40_Channel 110_Antenna 0



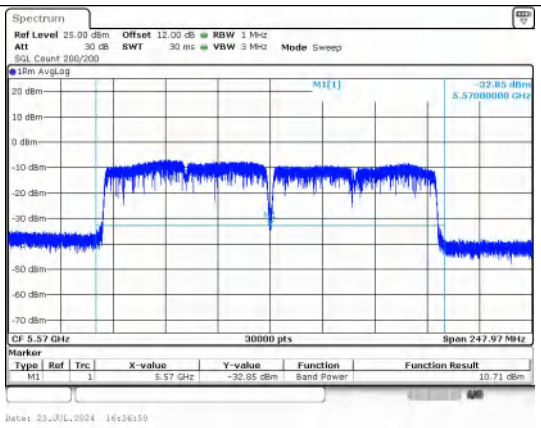
Conducted AVG output power
IEEE 802.11ac_40_Channel 134_Antenna 0



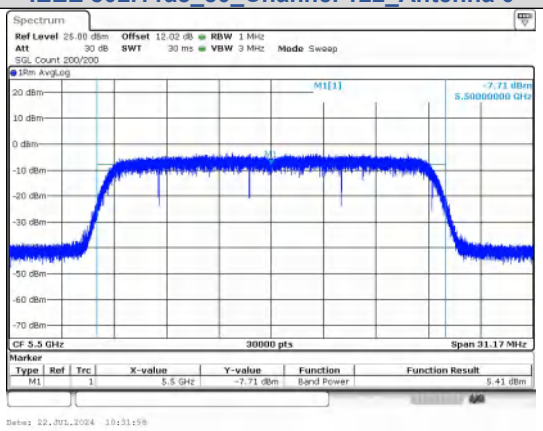
Conducted AVG output power
IEEE 802.11ac_80_Channel 106_Antenna 0



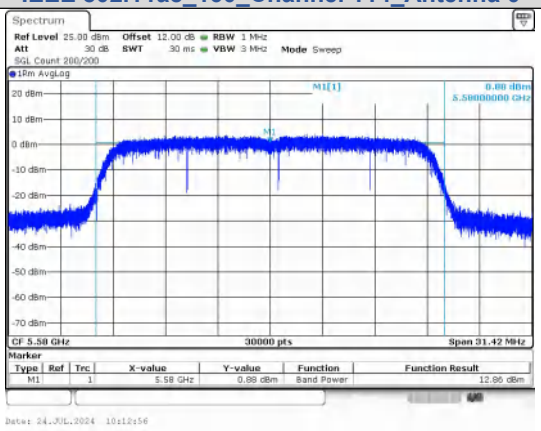
Conducted AVG output power
IEEE 802.11ac_80_Channel 122_Antenna 0



Conducted AVG output power
IEEE 802.11ac_160_Channel 114_Antenna 0



Conducted AVG output power
IEEE 802.11ax_20_Channel 100_Antenna 0_RU&Index SU



Conducted AVG output power
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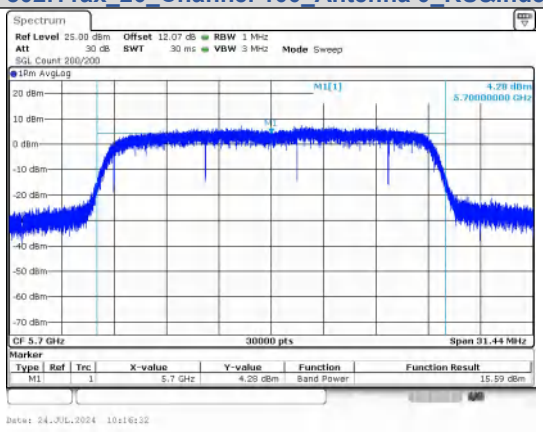
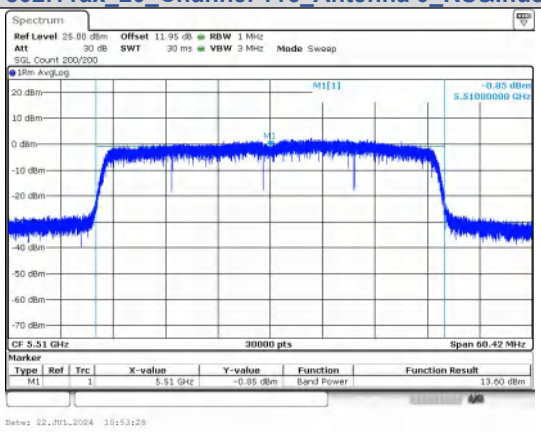
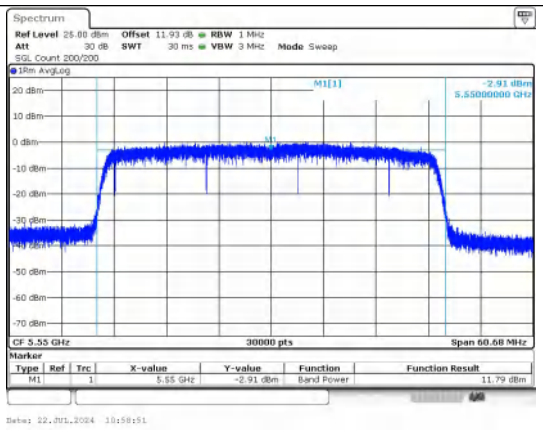


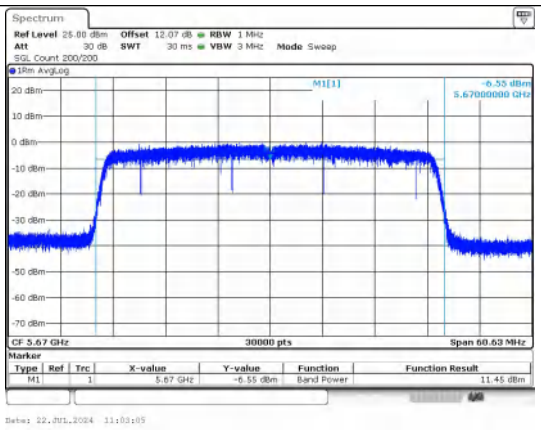
Conducted AVG output power
IEEE 802.11ax_20_Channel 140_Antenna 0_RU&Index SU



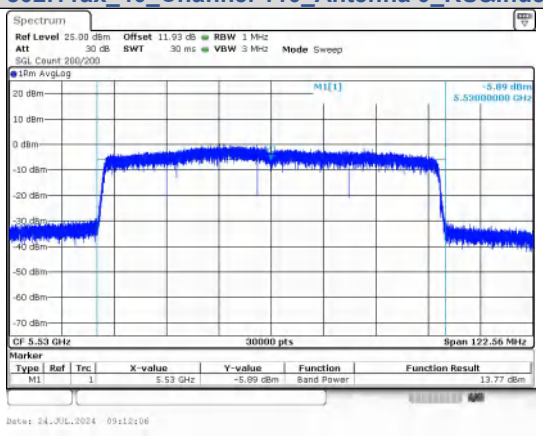
Conducted AVG output power
IEEE 802.11ax_40_Channel 102_Antenna 0_RU&Index SU



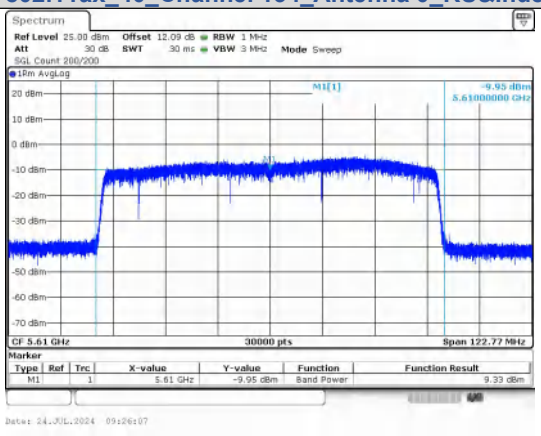
Conducted AVG output power
IEEE 802.11ax_40_Channel 110_Antenna 0_RU&Index SU



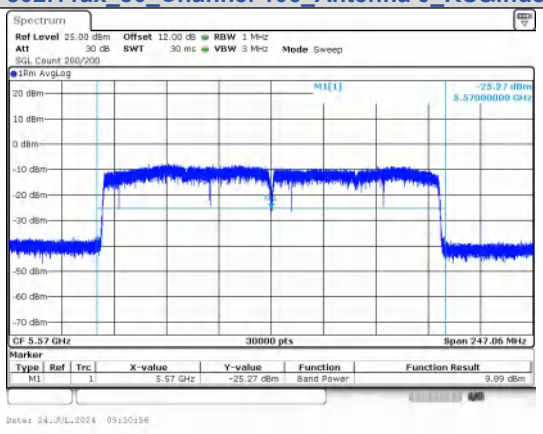
Conducted AVG output power
IEEE 802.11ax_40_Channel 134_Antenna 0_RU&Index SU



Conducted AVG output power
IEEE 802.11ax_80_Channel 106_Antenna 0_RU&Index SU



Conducted AVG output power
IEEE 802.11ax_80_Channel 122_Antenna 0_RU&Index SU



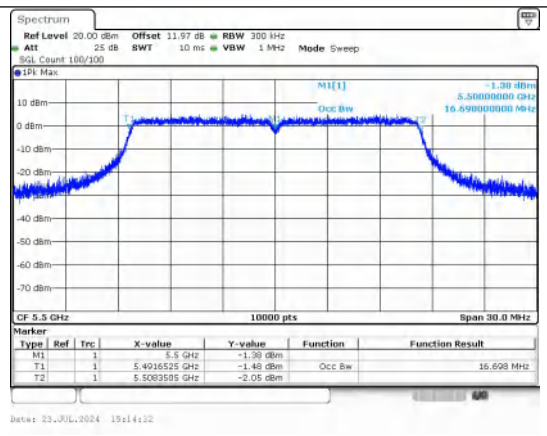
Conducted AVG output power
IEEE 802.11ax_160_Channel 114_Antenna 0_RU&Index SU

99% Bandwidth

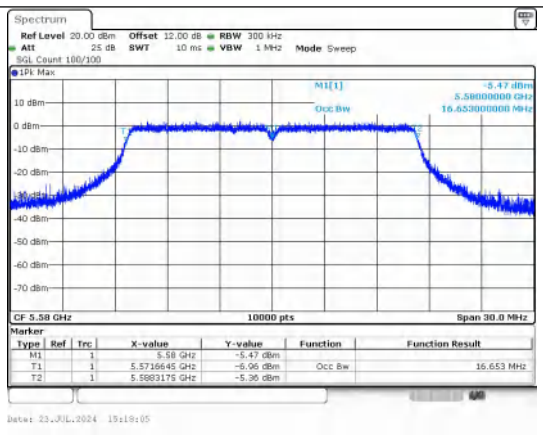
Test Result

Mode	Channel	RU & Index	Ant.	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11a	100	N/A	0	5500	16.700
	116			5580	16.650
	140			5700	16.630
IEEE 802.11n_20	100			5500	17.620
	116			5580	17.610
	140			5700	17.570
IEEE 802.11n_40	110			5550	35.960
	134			5670	35.980
IEEE 802.11ac_20	100			5500	17.620
	116			5580	17.610
	140			5700	17.580
IEEE 802.11ac_40	110			5550	35.960
	134			5670	35.970
IEEE 802.11ac_80	106			5530	75.130
	122			5610	75.230
IEEE 802.11ac_160	114			5570	154.440
IEEE 802.11ax_20	100	SU		5500	18.930
	116			5580	18.940
	140			5700	18.930
IEEE 802.11ax_40	102			5510	37.690
	110			5550	37.630
	134			5670	37.620
IEEE 802.11ax_80	106			5530	76.880
	122			5610	76.870
IEEE 802.11ax_160	114			5570	155.760

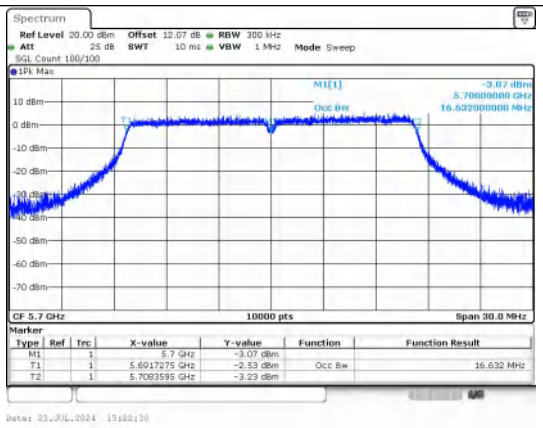
Test Graphs



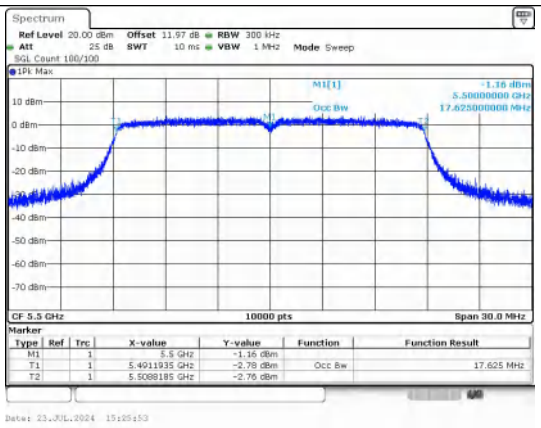
IEEE 802.11a_Channel 100_20MHz_Antenna 0



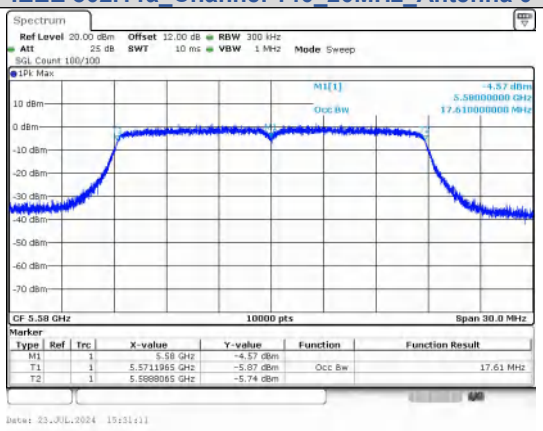
IEEE 802.11a_Channel 116_20MHz_Antenna 0



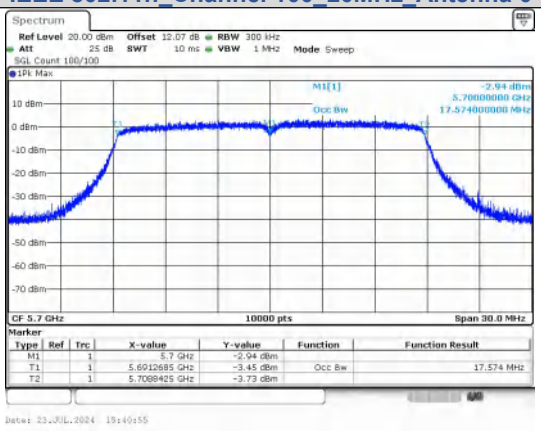
IEEE 802.11a_Channel 140_20MHz_Antenna 0



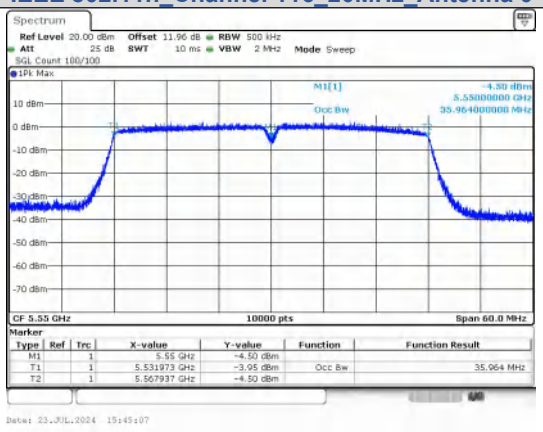
IEEE 802.11n_Channel 100_20MHz_Antenna 0



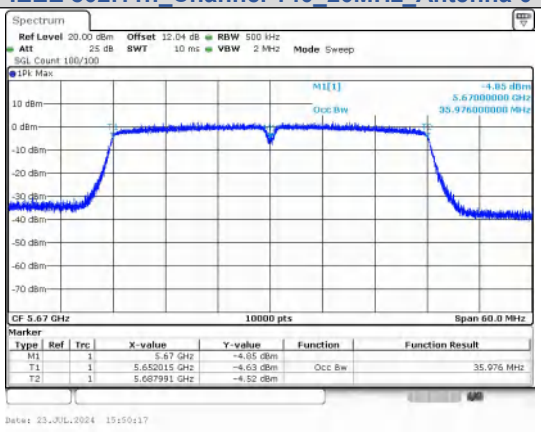
IEEE 802.11n_Channel 116_20MHz_Antenna 0



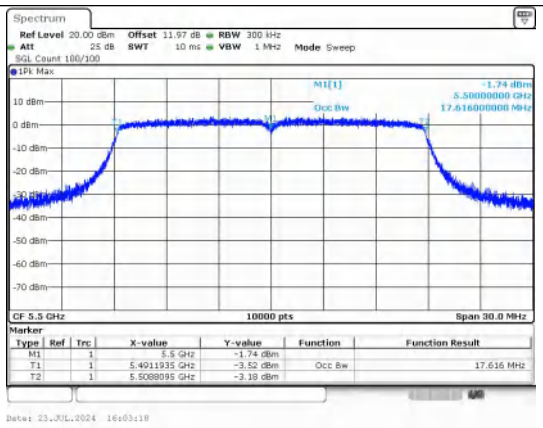
IEEE 802.11n_Channel 140_20MHz_Antenna 0



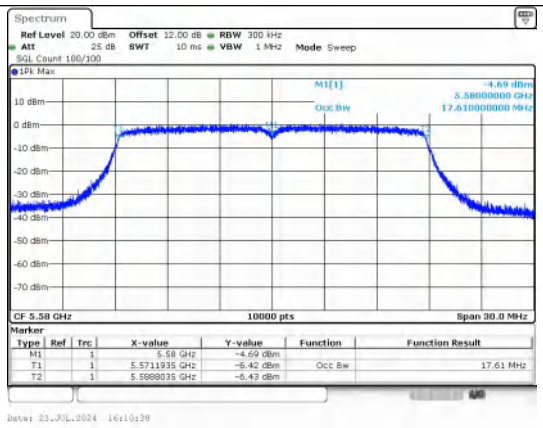
IEEE 802.11n_Channel 110_40MHz_Antenna 0



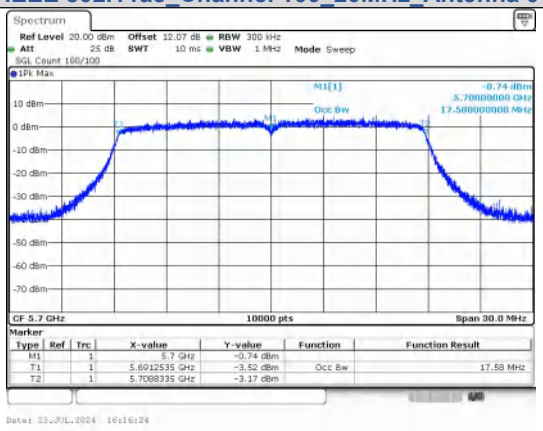
IEEE 802.11n_Channel 134_40MHz_Antenna 0



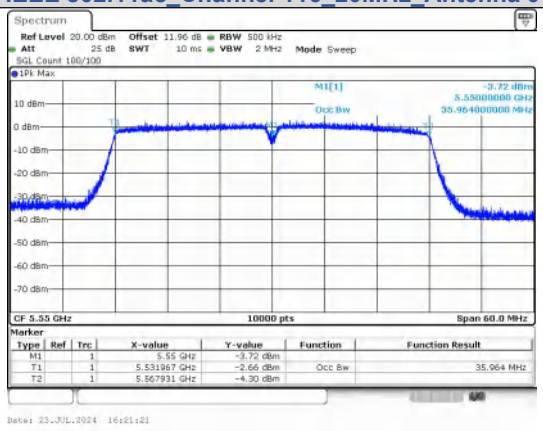
IEEE 802.11ac_Channel 100_20MHz_Antenna 0



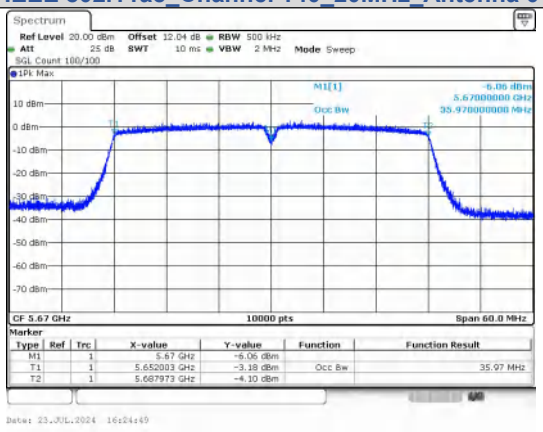
IEEE 802.11ac_Channel 116_20MHz_Antenna 0



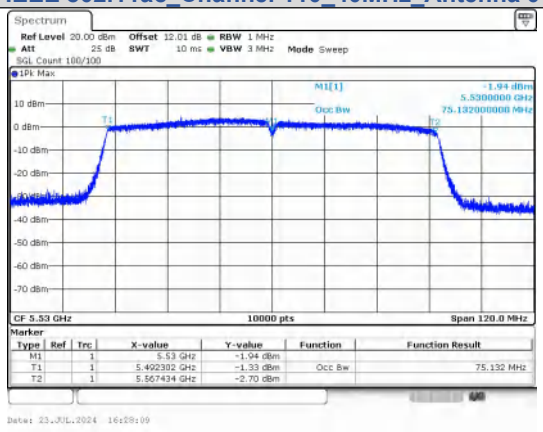
IEEE 802.11ac_Channel 140_20MHz_Antenna 0



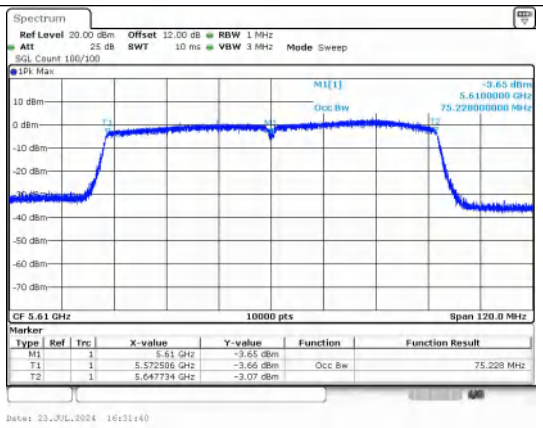
IEEE 802.11ac_Channel 110_40MHz_Antenna 0



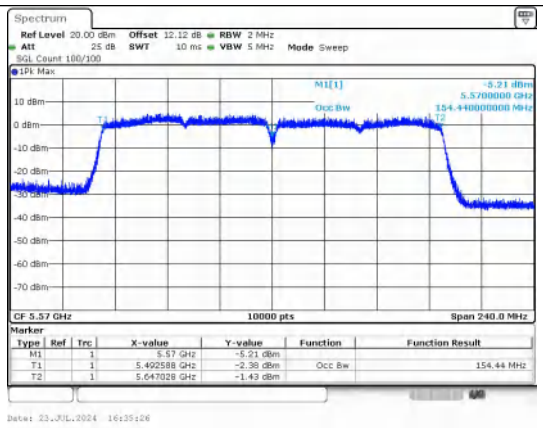
IEEE 802.11ac_Channel 134_40MHz_Antenna 0



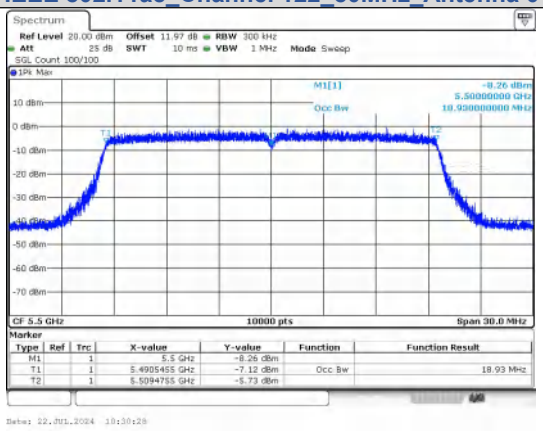
IEEE 802.11ac_Channel 106_80MHz_Antenna 0



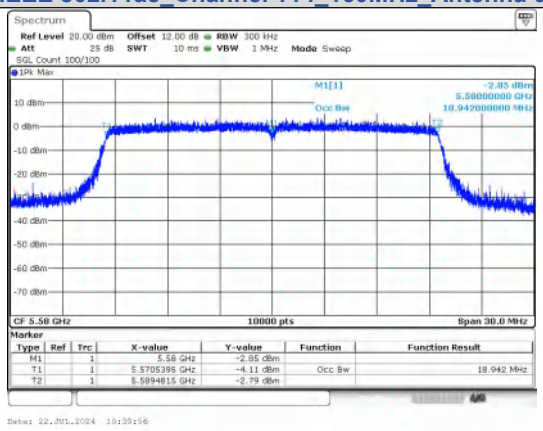
IEEE 802.11ac_Channel 122_80MHz_Antenna 0



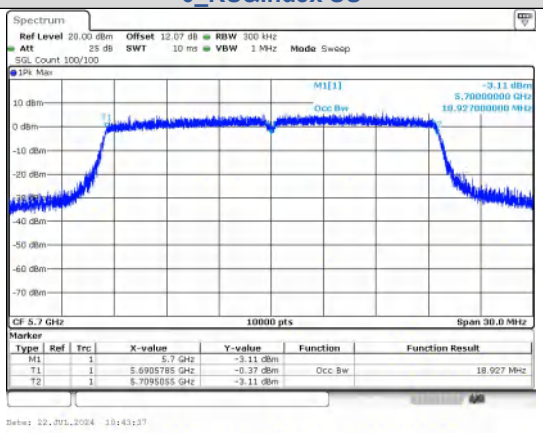
IEEE 802.11ac_Channel 114_160MHz_Antenna 0



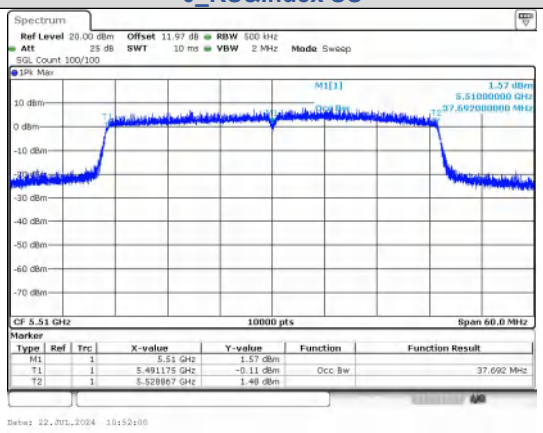
IEEE 802.11ax_Channel 100_20MHz_Antenna 0_RU&Index SU



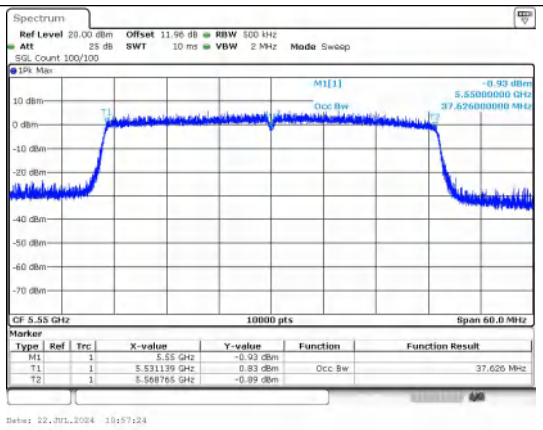
IEEE 802.11ax_Channel 116_20MHz_Antenna 0_RU&Index SU



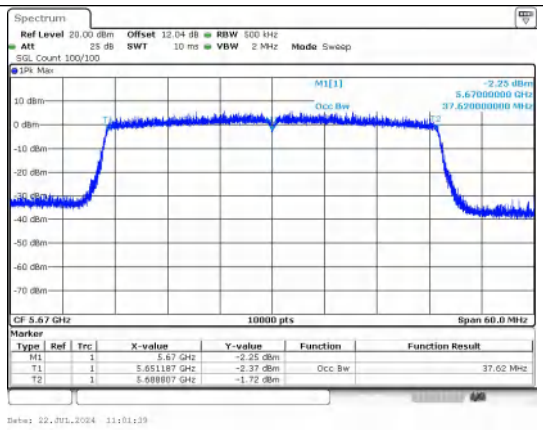
IEEE 802.11ax_Channel 140_20MHz_Antenna 0_RU&Index SU



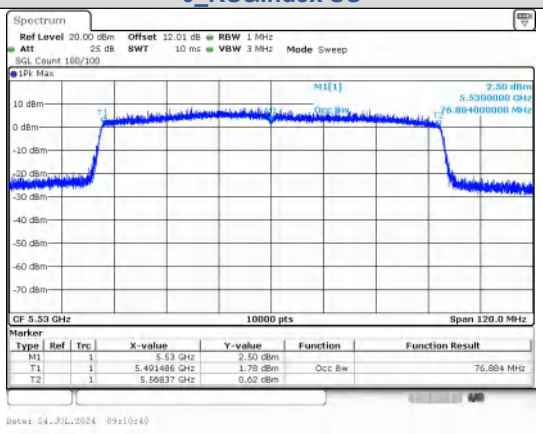
IEEE 802.11ax_Channel 102_40MHz_Antenna 0_RU&Index SU



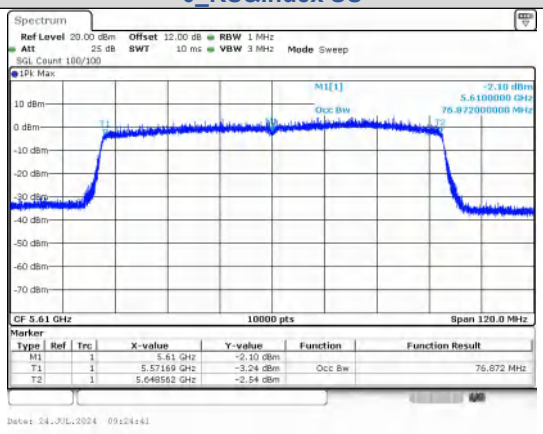
IEEE 802.11ax_Channel 110_40MHz_Antenna 0_RU&Index SU



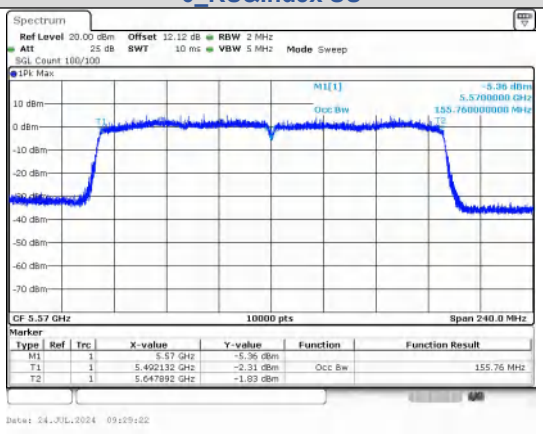
IEEE 802.11ax_Channel 134_40MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 106_80MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 122_80MHz_Antenna 0_RU&Index SU



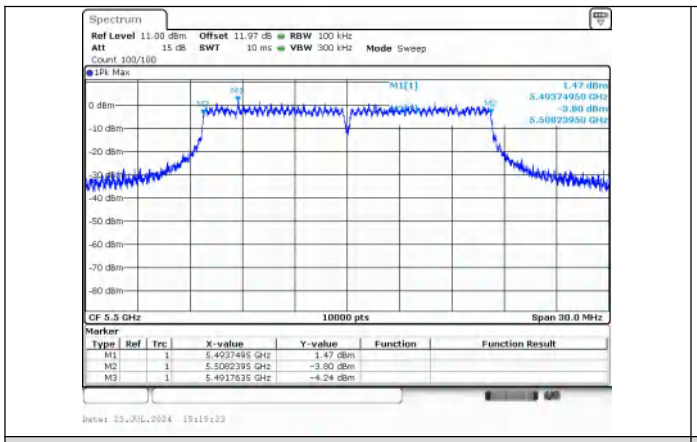
IEEE 802.11ax_Channel 114_160MHz_Antenna 0_RU&Index SU

6dB Bandwidth

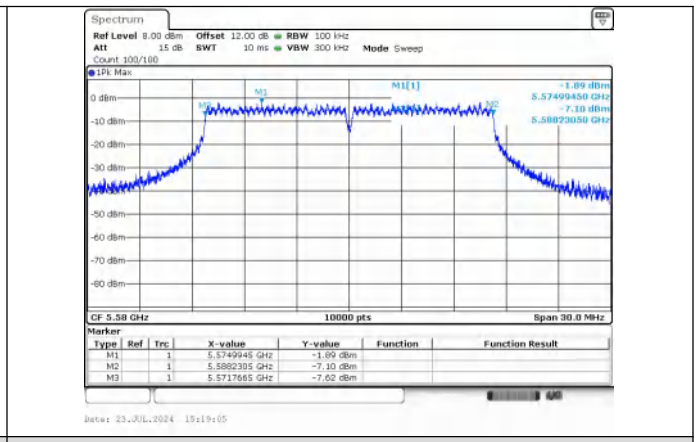
Test Result

Mode	Channel	RU & Index	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11a	100	N/A	0	5500	16.48	≥0.5	PASS
	116			5580	16.46		PASS
	140			5700	16.42		PASS
IEEE 802.11n_20	100			5500	17.52		PASS
	116			5580	17.51		PASS
	140			5700	16.30		PASS
IEEE 802.11n_40	110			5550	35.64		PASS
	134			5670	35.00		PASS
IEEE 802.11ac_20	100			5500	17.50		PASS
	116			5580	17.54		PASS
	140			5700	16.90		PASS
IEEE 802.11ac_40	110			5550	35.35		PASS
	134			5670	33.79		PASS
IEEE 802.11ac_80	106			5530	73.74		PASS
	122			5610	71.27		PASS
IEEE 802.11ac_160	114			5570	153.76		PASS
IEEE 802.11ax_20	100	SU		5500	18.88		PASS
	116			5580	18.61		PASS
	140			5700	17.77		PASS
IEEE 802.11ax_40	102			5510	36.89		PASS
	110			5550	37.39		PASS
	134			5670	36.37		PASS
IEEE 802.11ax_80	106			5530	76.48		PASS
	122			5610	74.85		PASS
IEEE 802.11ax_160	114			5570	154.80		PASS

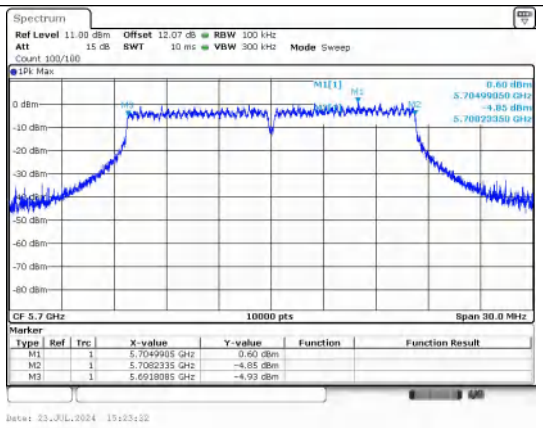
Test Graphs



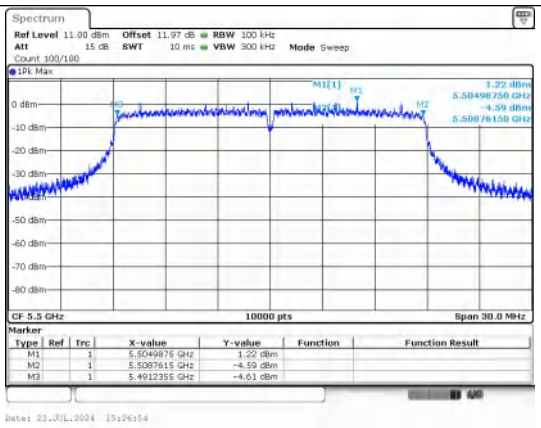
IEEE 802.11a_Channel 100_20MHz_Antenna 0



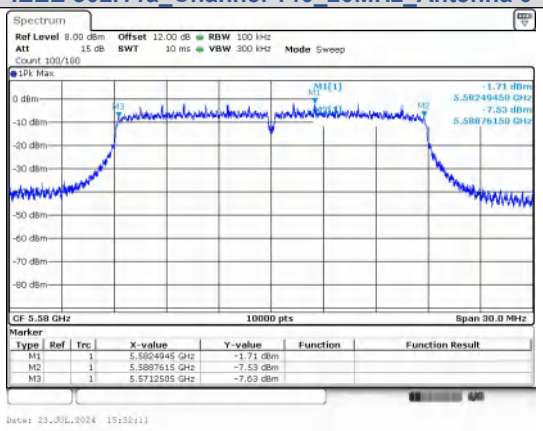
IEEE 802.11a_Channel 116_20MHz_Antenna 0



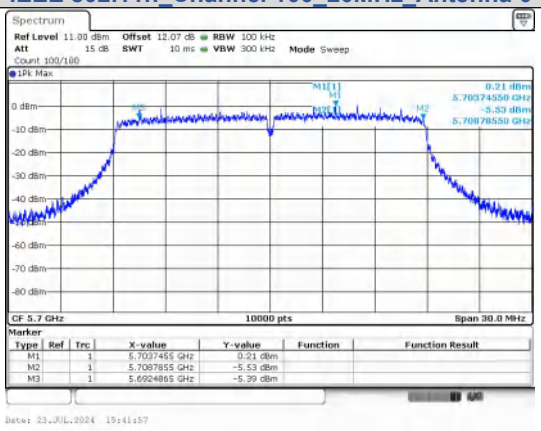
IEEE 802.11a_Channel 140_20MHz_Antenna 0



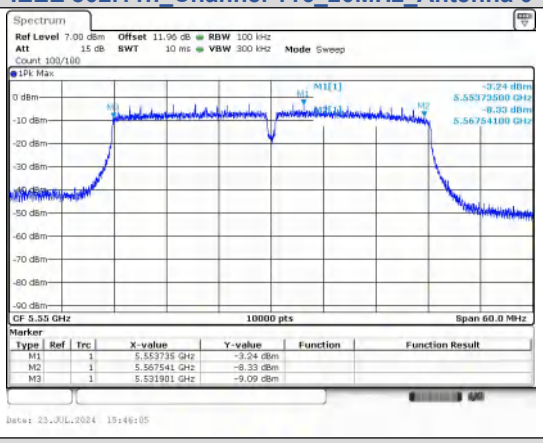
IEEE 802.11n_Channel 100_20MHz_Antenna 0



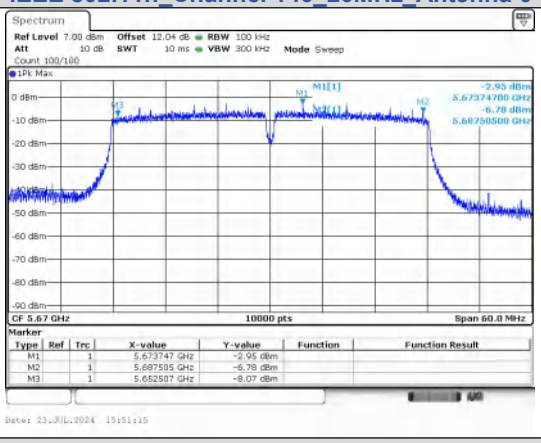
IEEE 802.11n_Channel 116_20MHz_Antenna 0



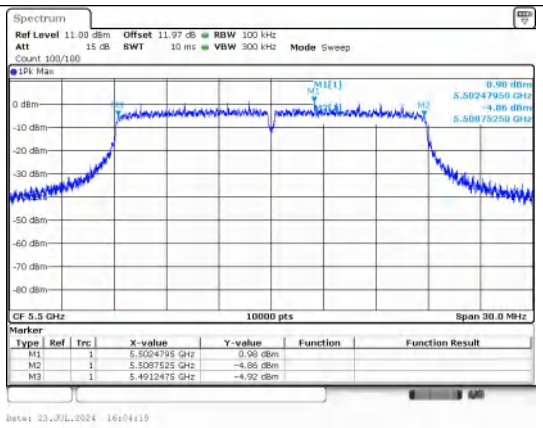
IEEE 802.11n_Channel 140_20MHz_Antenna 0



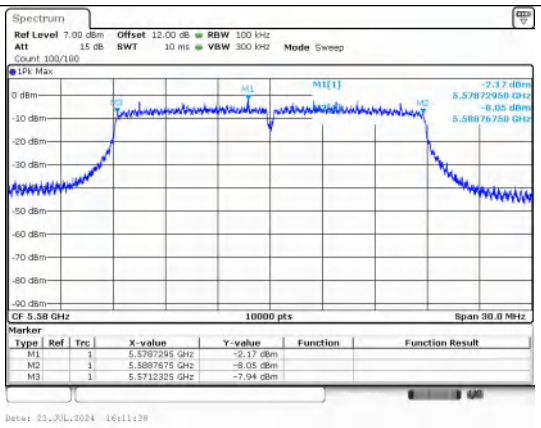
IEEE 802.11n_Channel 110_40MHz_Antenna 0



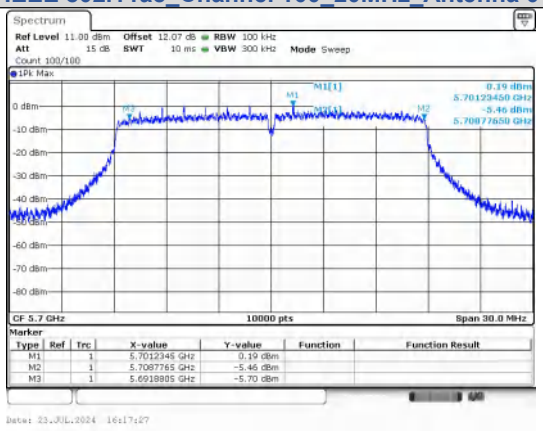
IEEE 802.11n_Channel 134_40MHz_Antenna 0



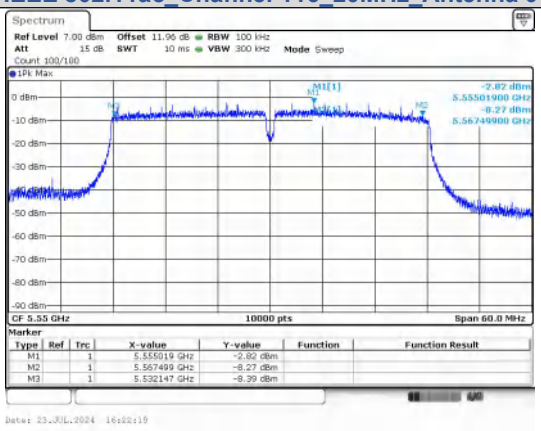
IEEE 802.11ac_Channel 100_20MHz_Antenna 0



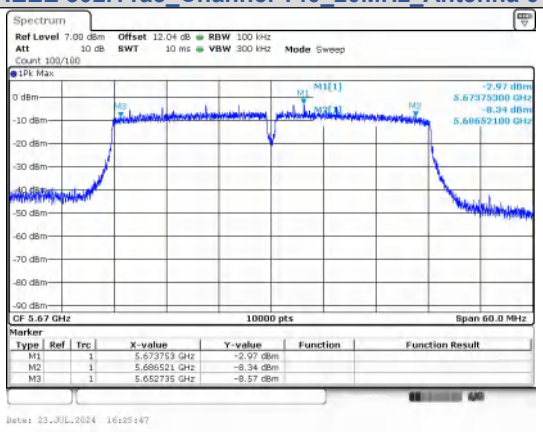
IEEE 802.11ac_Channel 116_20MHz_Antenna 0



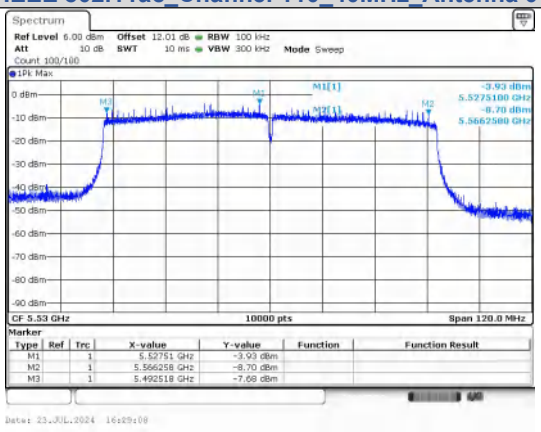
IEEE 802.11ac_Channel 140_20MHz_Antenna 0



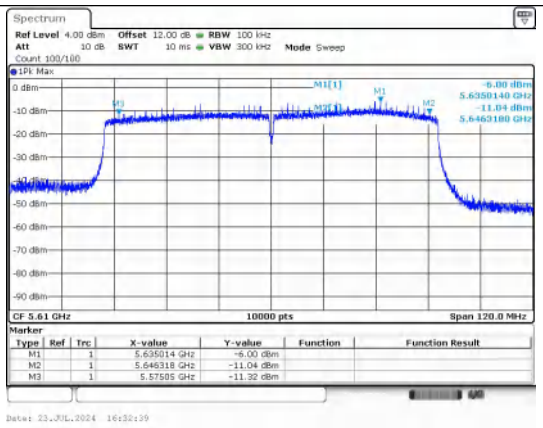
IEEE 802.11ac_Channel 110_40MHz_Antenna 0



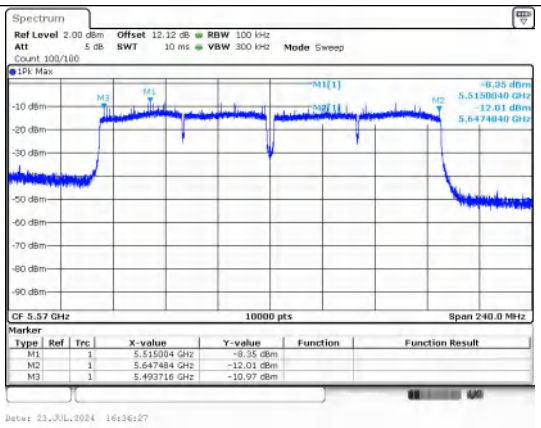
IEEE 802.11ac_Channel 134_40MHz_Antenna 0



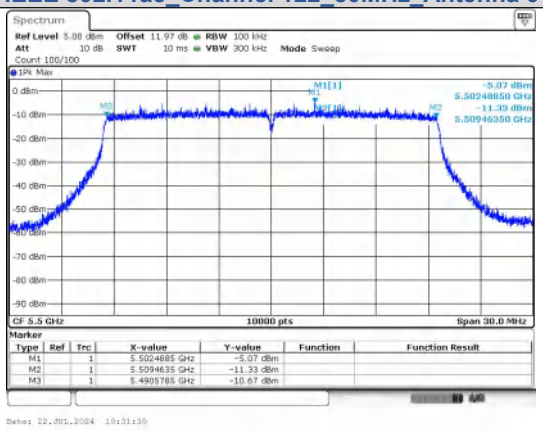
IEEE 802.11ac_Channel 106_80MHz_Antenna 0



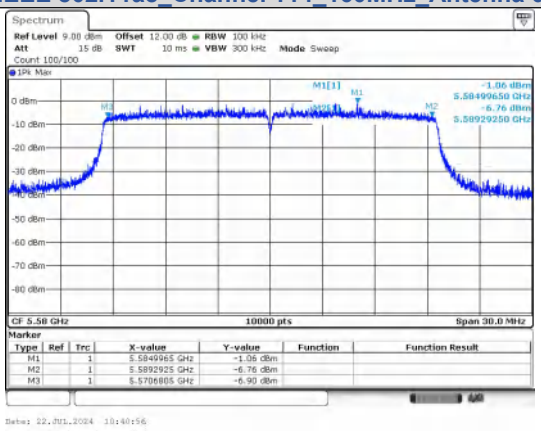
IEEE 802.11ac_Channel 122_80MHz_Antenna 0



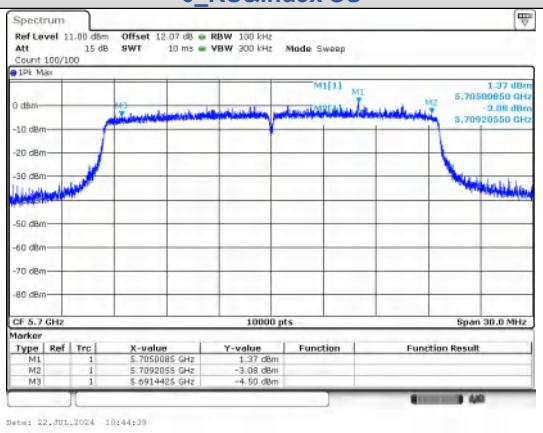
IEEE 802.11ac_Channel 114_160MHz_Antenna 0



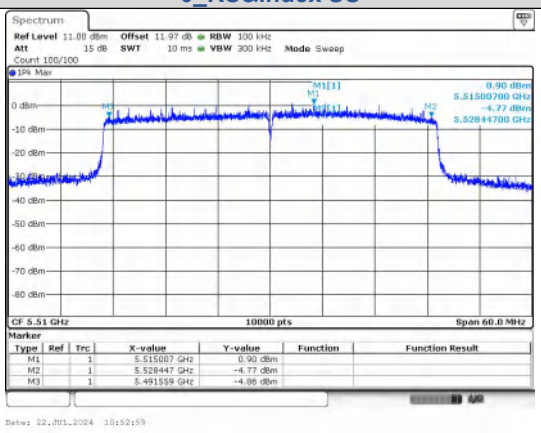
IEEE 802.11ax_Channel 100_20MHz_Antenna 0_RU&Index SU



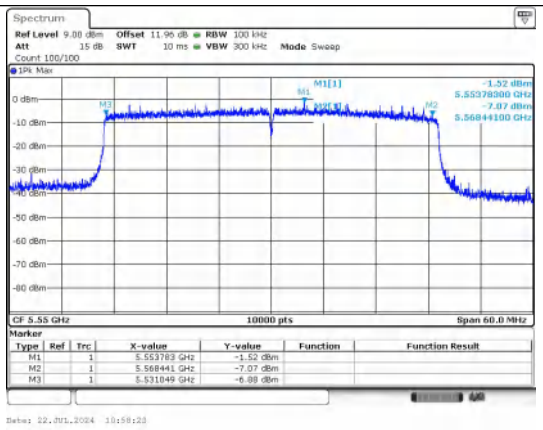
IEEE 802.11ax_Channel 116_20MHz_Antenna 0_RU&Index SU



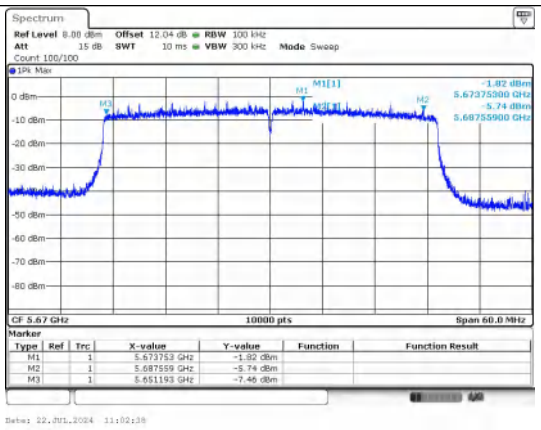
IEEE 802.11ax_Channel 140_20MHz_Antenna 0_RU&Index SU



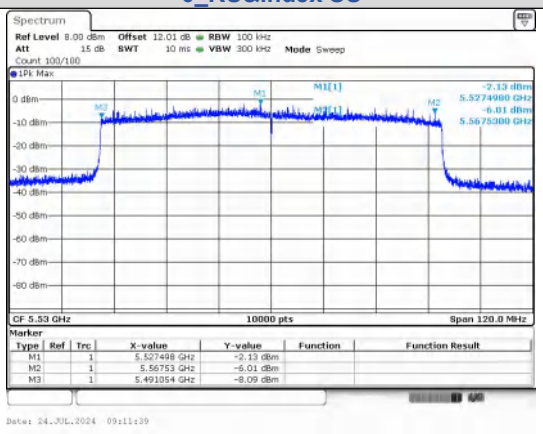
IEEE 802.11ax_Channel 102_40MHz_Antenna 0_RU&Index SU



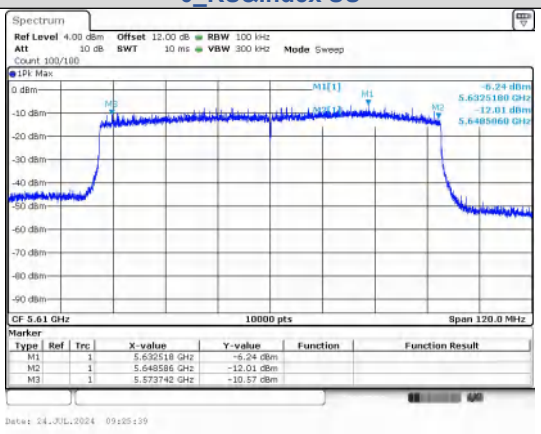
IEEE 802.11ax_Channel 110_40MHz_Antenna 0_RU&Index SU



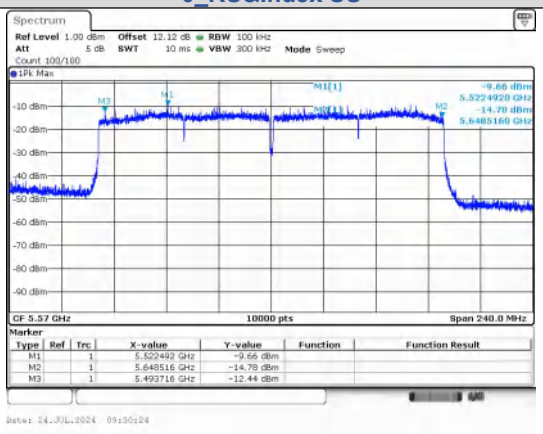
IEEE 802.11ax_Channel 134_40MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 106_80MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 122_80MHz_Antenna 0_RU&Index SU



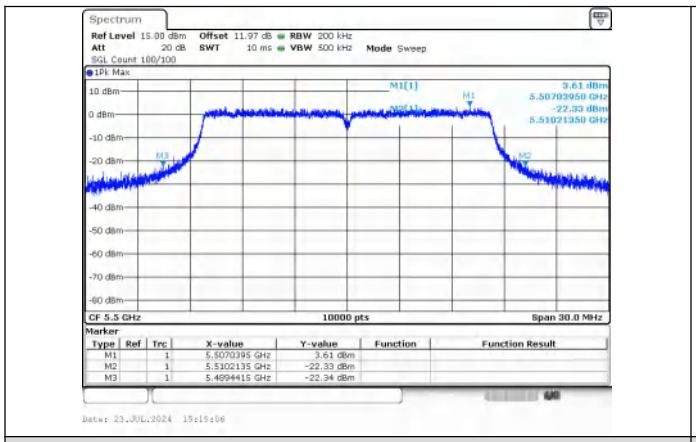
IEEE 802.11ax_Channel 114_160MHz_Antenna 0_RU&Index SU

26dB Bandwidth

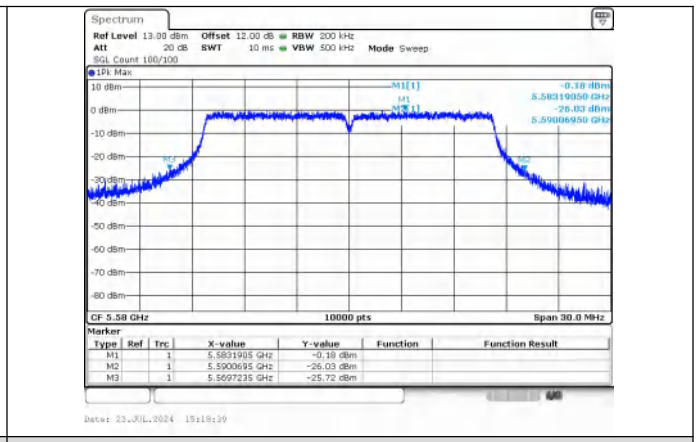
Test Result

Mode	Channel	RU & Index	Ant.	Center Frequency (MHz)	26 dB Bandwidth (MHz)	RBW/EBW
IEEE 802.11a	100	N/A	0	5500	20.77	1.14
	116			5580	20.35	1.1
	140			5700	19.64	1.13
IEEE 802.11n_20	100			5500	20.60	1.1
	116			5580	19.98	1.12
	140			5700	19.78	1.13
IEEE 802.11n_40	110			5550	39.74	1.05
	134			5670	39.47	1.05
IEEE 802.11ac_20	100			5500	20.03	1.14
	116			5580	19.96	1.13
	140			5700	19.70	1.12
IEEE 802.11ac_40	110			5550	39.55	1.05
	134			5670	39.68	1.05
IEEE 802.11ac_80	106			5530	81.27	1.03
	122			5610	81.55	1.03
IEEE 802.11ac_160	114			5570	165.31	1.01
IEEE 802.11ax_20	100	SU		5500	20.78	1.12
	116			5580	20.95	1.11
	140			5700	20.96	1.1
IEEE 802.11ax_40	102			5510	40.28	1.09
	110			5550	40.45	1.05
	134			5670	40.42	1.04
IEEE 802.11ax_80	106			5530	81.71	1.03
	122			5610	81.85	1.02
IEEE 802.11ax_160	114			5570	164.71	1.02

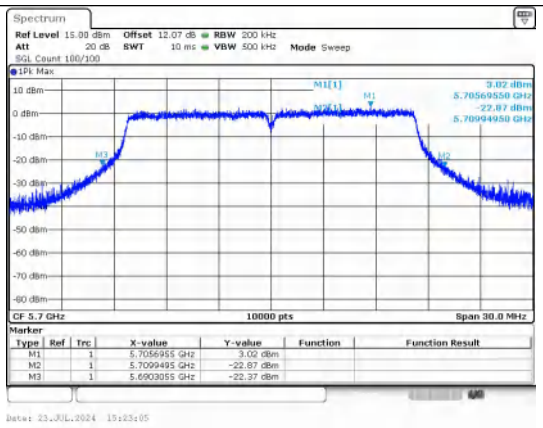
Test Graphs



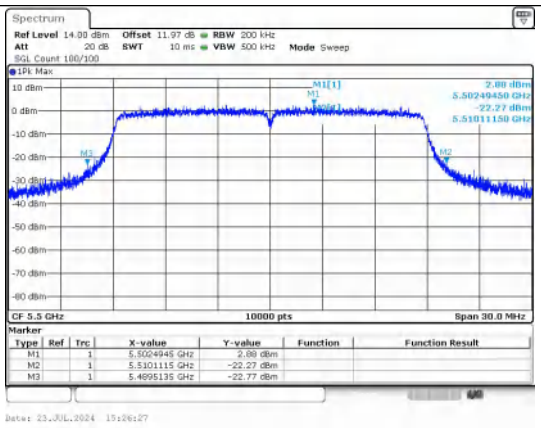
IEEE 802.11a_Channel 100_20MHz_Antenna 0



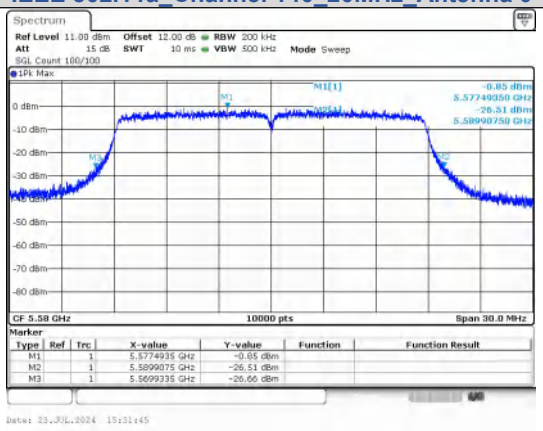
IEEE 802.11a_Channel 116_20MHz_Antenna 0



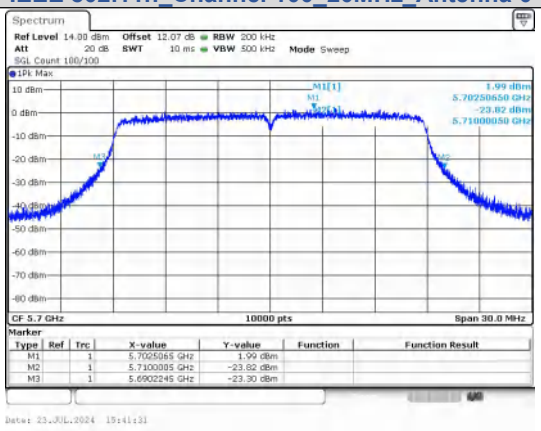
IEEE 802.11a_Channel 140_20MHz_Antenna 0



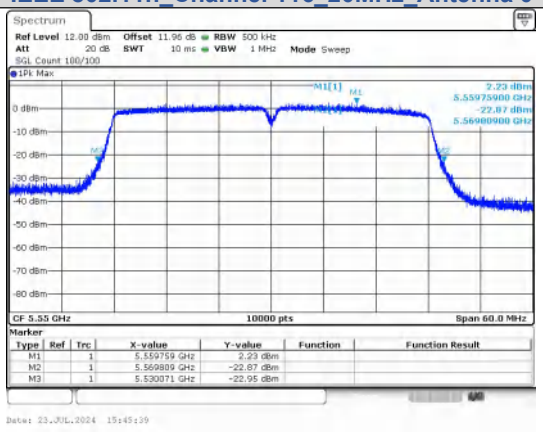
IEEE 802.11n_Channel 100_20MHz_Antenna 0



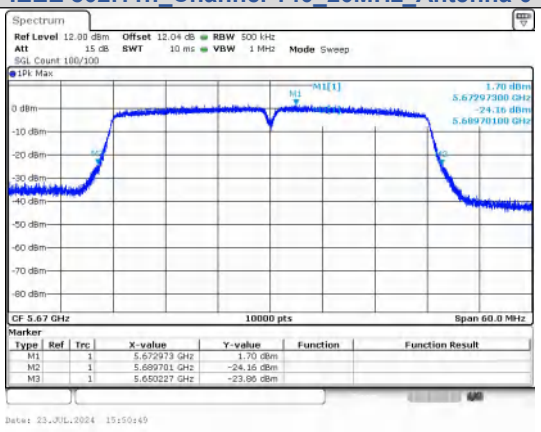
IEEE 802.11n_Channel 116_20MHz_Antenna 0



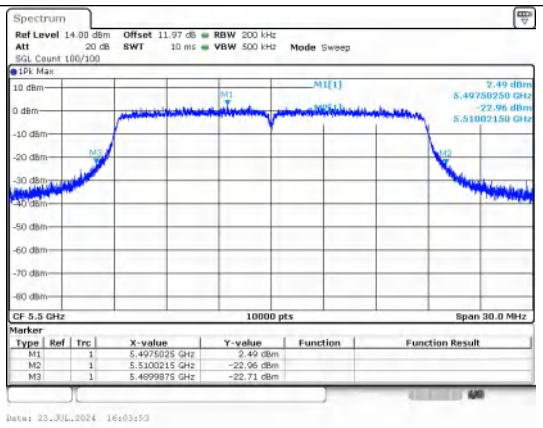
IEEE 802.11n_Channel 140_20MHz_Antenna 0



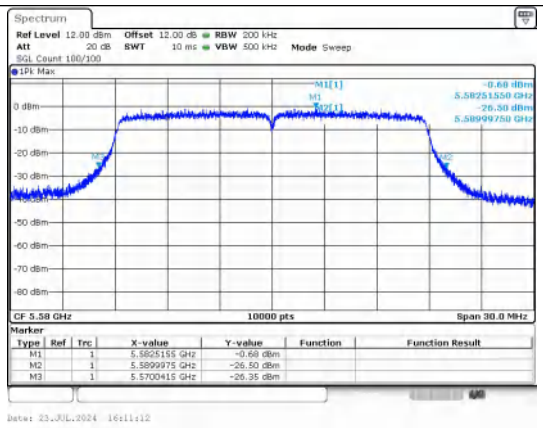
IEEE 802.11n_Channel 110_40MHz_Antenna 0



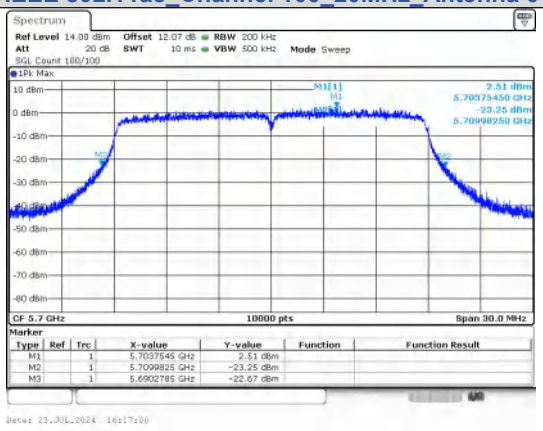
IEEE 802.11n_Channel 134_40MHz_Antenna 0



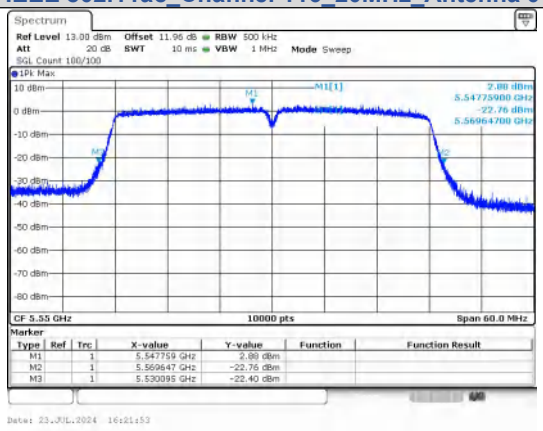
IEEE 802.11ac_Channel 100_20MHz_Antenna 0



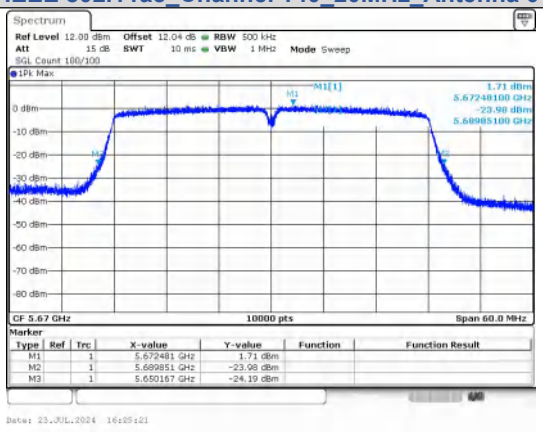
IEEE 802.11ac_Channel 116_20MHz_Antenna 0



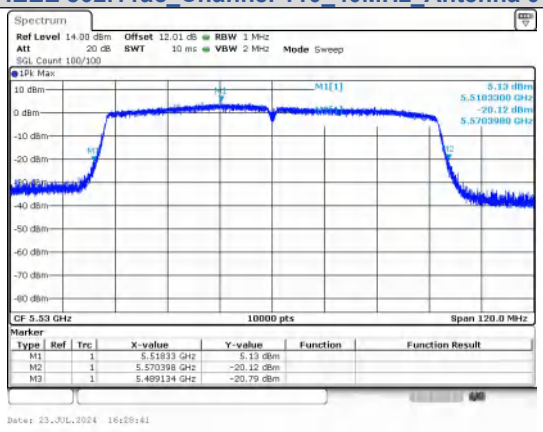
IEEE 802.11ac_Channel 140_20MHz_Antenna 0



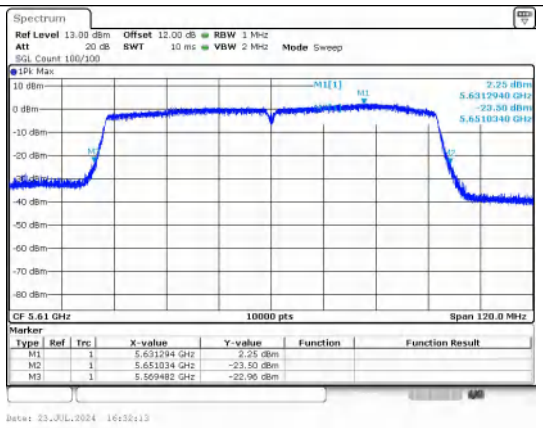
IEEE 802.11ac_Channel 110_40MHz_Antenna 0



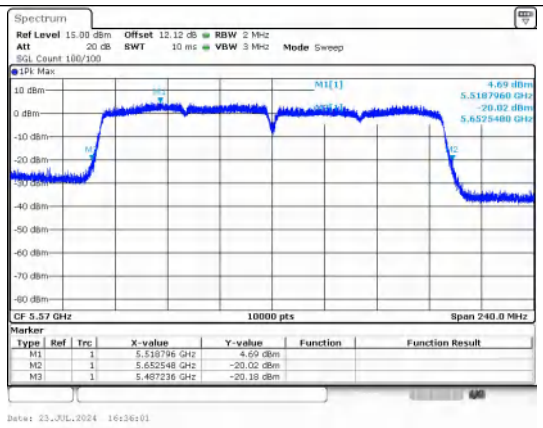
IEEE 802.11ac_Channel 134_40MHz_Antenna 0



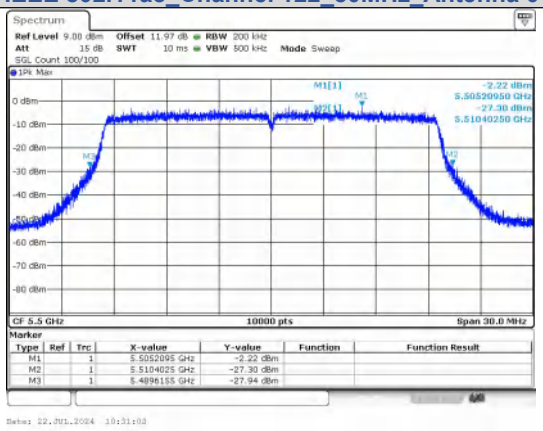
IEEE 802.11ac_Channel 106_80MHz_Antenna 0



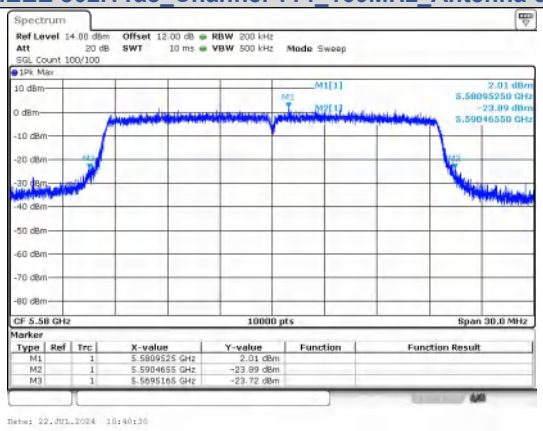
IEEE 802.11ac_Channel 122_80MHz_Antenna 0



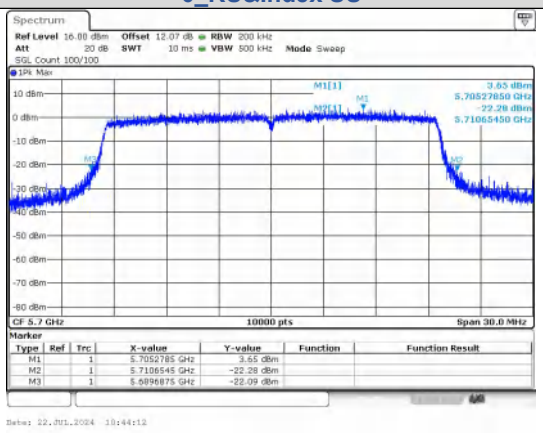
IEEE 802.11ac_Channel 114_160MHz_Antenna 0



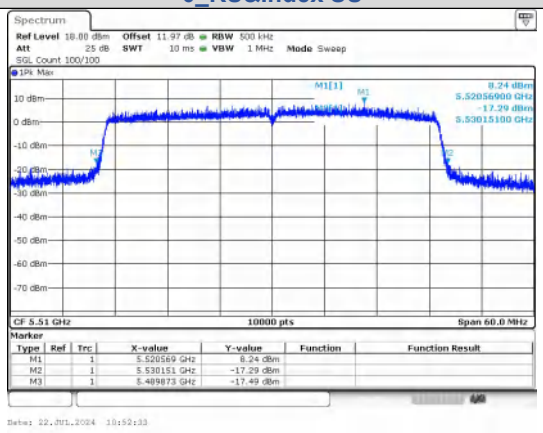
IEEE 802.11ax_Channel 100_20MHz_Antenna 0_RU&Index SU



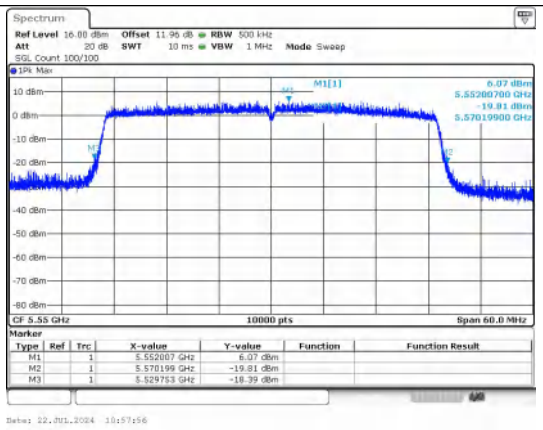
IEEE 802.11ax_Channel 116_20MHz_Antenna 0_RU&Index SU



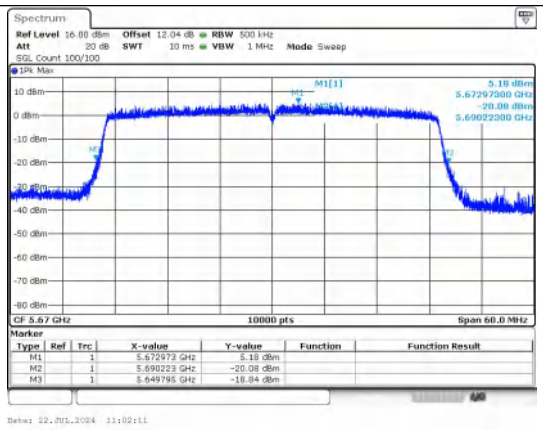
IEEE 802.11ax_Channel 140_20MHz_Antenna 0_RU&Index SU



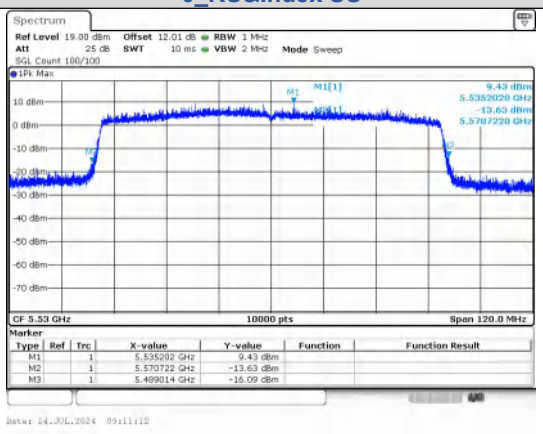
IEEE 802.11ax_Channel 102_40MHz_Antenna 0_RU&Index SU



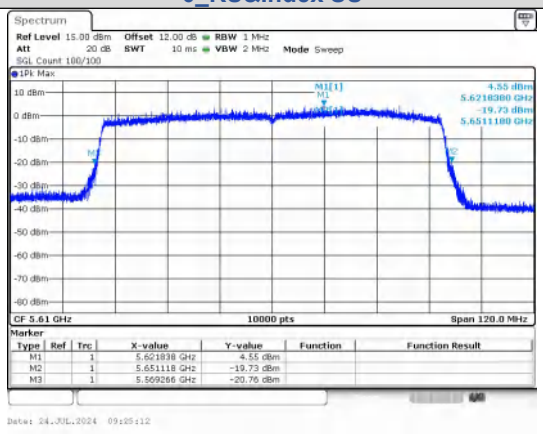
IEEE 802.11ax_Channel 110_40MHz_Antenna 0_RU&Index SU



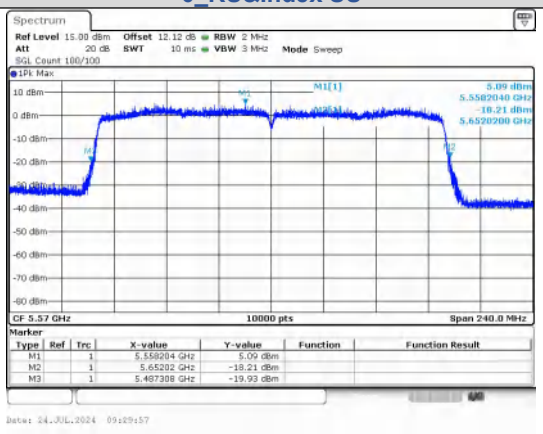
IEEE 802.11ax_Channel 134_40MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 106_80MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 122_80MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 114_160MHz_Antenna 0_RU&Index SU

Conducted Out Of Band Emission

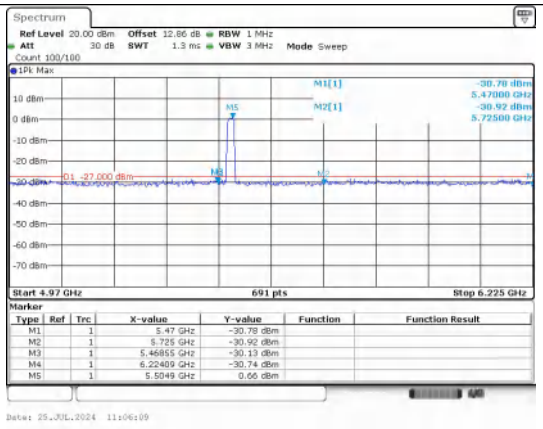
Test Result

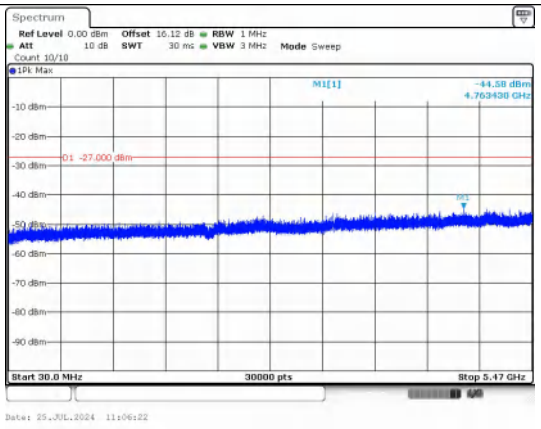
Mode	Channel	RU & Index	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
IEEE 802.11a	100	N/A	0	4763.43	-44.576	-27	-17.580	PASS
				5468.55	-30.132	-27	-3	PASS
				5470.00	-30.776	-27	-4	PASS
				5725.00	-30.923	-27	-4	PASS
				6224.09	-30.742	-27	-4	PASS
				22128.3	-43.583	-27	-16.580	PASS
	116			3435.89	-44.597	-27	-17.600	PASS
				5463.10	-30.194	-27	-3	PASS
				5470.00	-30.402	-27	-3	PASS
				5725.00	-31.085	-27	-4	PASS
				6224.09	-30.338	-27	-3	PASS
				16786.0	-42.933	-27	-15.930	PASS
	140			5009.32	-45.151	-27	-18.150	PASS
				5468.55	-30.581	-27	-4	PASS
				5470.00	-30.593	-27	-4	PASS
				5725.00	-30.006	-27	-3	PASS
				6224.09	-29.872	-27	-3	PASS
				22032.6	-42.838	-27	-15.840	PASS
IEEE 802.11n_20	100			4393.33	-44.754	-27	-17.750	PASS
				5464.92	-30.001	-27	-3	PASS
				5470.00	-30.053	-27	-3	PASS
				5725.00	-30.050	-27	-3	PASS
				6215.01	-29.691	-27	-3	PASS
				16246.9	-42.695	-27	-15.690	PASS
	116			5055.93	-44.882	-27	-17.880	PASS
				5464.92	-29.371	-27	-2	PASS
				5470.00	-29.862	-27	-3	PASS
				5725.00	-30.975	-27	-4	PASS
				6224.09	-29.292	-27	-2	PASS
				22063.5	-43.242	-27	-16.240	PASS
	140			1497.62	-42.314	-27	-15.310	PASS
				5468.55	-29.777	-27	-3	PASS
				5470.00	-30.511	-27	-4	PASS
				5725.00	-30.391	-27	-3	PASS
				5725.32	-39.983	-27	-12.980	PASS
				6224.09	-30.244	-27	-3	PASS
IEEE 802.11n_40	110			5199.54	-44.374	-27	-17.370	PASS
				5468.55	-30.292	-27	-3	PASS
				5470.00	-30.409	-27	-3	PASS
				5725.00	-31.671	-27	-5	PASS
				6224.09	-31.102	-27	-4	PASS
				16573.9	-42.294	-27	-15.290	PASS
	134			4791.72	-45.042	-27	-18.040	PASS
				5466.73	-30.083	-27	-3	PASS
				5470.00	-30.097	-27	-3	PASS
				5725.00	-30.834	-27	-4	PASS
				6224.09	-30.558	-27	-4	PASS
				17283.2	-42.867	-27	-15.870	PASS
IEEE 802.11ac_20	100			4670.95	-44.843	-27	-17.840	PASS
				5461.28	-29.940	-27	-3	PASS
				5470.00	-30.010	-27	-3	PASS

				5725.00	-30.840	-27	-4	PASS
				6224.09	-30.237	-27	-3	PASS
				17308.3	-42.928	-27	-15.930	PASS
	116			5416.96	-45.330	-27	-18.330	PASS
				5468.55	-30.198	-27	-3	PASS
				5470.00	-31.161	-27	-4	PASS
				5725.00	-30.838	-27	-4	PASS
				6224.09	-30.613	-27	-4	PASS
				15837.0	-43.033	-27	-16.030	PASS
	140			1496.53	-41.392	-27	-14.390	PASS
				5468.55	-30.235	-27	-3	PASS
				5470.00	-31.121	-27	-4	PASS
				5725.00	-29.903	-27	-3	PASS
				5725.96	-39.274	-27	-12.270	PASS
				6222.28	-29.812	-27	-3	PASS
IEEE 802.11ac_40	110			5413.70	-44.580	-27	-17.580	PASS
				5419.51	-29.515	-27	-3	PASS
				5470.00	-29.607	-27	-3	PASS
				5725.00	-31.219	-27	-4	PASS
				6224.09	-29.919	-27	-3	PASS
				16826.4	-43.408	-27	-16.410	PASS
	134			5060.10	-44.851	-27	-17.850	PASS
				5468.55	-30.624	-27	-4	PASS
				5470.00	-31.237	-27	-4	PASS
				5725.00	-31.451	-27	-4	PASS
				6224.09	-30.099	-27	-3	PASS
				21519.9	-42.793	-27	-15.790	PASS
IEEE 802.11ac_80	106			5416.42	-44.994	-27	-17.990	PASS
				5463.10	-30.017	-27	-3	PASS
				5470.00	-30.528	-27	-4	PASS
				5725.00	-30.964	-27	-4	PASS
				6224.09	-29.654	-27	-3	PASS
				6987.83	-42.935	-27	-15.940	PASS
	122			5467.01	-44.096	-27	-17.100	PASS
				5468.55	-30.725	-27	-4	PASS
				5470.00	-30.792	-27	-4	PASS
				5725.00	-32.016	-27	-5	PASS
				6224.09	-30.128	-27	-3	PASS
				22043.5	-43.209	-27	-16.210	PASS
IEEE 802.11ac_160	114			5393.75	-45.173	-27	-18.170	PASS
				5468.55	-29.155	-27	-2	PASS
				5470.00	-31.073	-27	-4	PASS
				5725.00	-31.351	-27	-4	PASS
				6224.09	-29.492	-27	-2	PASS
				22039.7	-42.337	-27	-15.340	PASS
IEEE 802.11ax_20	100	SU		4702.33	-44.536	-27	-17.540	PASS
				5468.55	-30.665	-27	-4	PASS
				5470.00	-31.033	-27	-4	PASS
				5725.00	-30.806	-27	-4	PASS
				6224.09	-30.221	-27	-3	PASS
				17892.3	-43.463	-27	-16.460	PASS
	116			1375.04	-45.110	-27	-18.110	PASS
				5468.55	-30.716	-27	-4	PASS
				5470.00	-31.276	-27	-4	PASS
				5725.00	-31.186	-27	-4	PASS
				6224.09	-30.311	-27	-3	PASS
				11162.2	-39.622	-27	-12.620	PASS
	140			5059.01	-44.914	-27	-17.910	PASS
				5468.55	-29.299	-27	-2	PASS

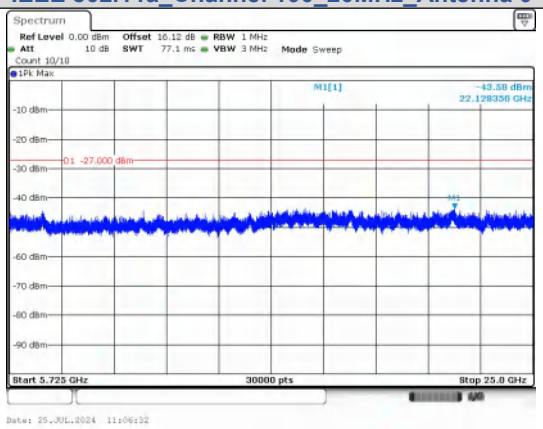
				5470.00	-30.323	-27	-3	PASS
				5725.00	-30.062	-27	-3	PASS
				6204.11	-29.205	-27	-2	PASS
				22075.7	-43.494	-27	-16.490	PASS
IEEE 802.11ax_40	102			4660.26	-45.110	-27	-18.110	PASS
				5468.55	-30.916	-27	-4	PASS
				5470.00	-30.962	-27	-4	PASS
				5725.00	-30.287	-27	-3	PASS
				6220.46	-30.073	-27	-3	PASS
				16572.7	-43.345	-27	-16.340	PASS
	110			5466.46	-43.827	-27	-16.830	PASS
				5468.55	-30.035	-27	-3	PASS
				5470.00	-30.392	-27	-3	PASS
				5725.00	-31.013	-27	-4	PASS
				6224.09	-30.720	-27	-4	PASS
				20074.9	-42.671	-27	-15.670	PASS
	134			5468.55	-30.180	-27	-3	PASS
				5469.18	-44.898	-27	-17.900	PASS
				5470.00	-30.387	-27	-3	PASS
				5725.00	-31.213	-27	-4	PASS
				6224.09	-30.809	-27	-4	PASS
				17614.1	-42.885	-27	-15.890	PASS
IEEE 802.11ax_80	106			5449.06	-38.457	-27	-11.460	PASS
				5468.55	-29.816	-27	-3	PASS
				5470.00	-30.105	-27	-3	PASS
				5725.00	-29.930	-27	-3	PASS
				6209.56	-29.599	-27	-3	PASS
				23277.1	-43.634	-27	-16.630	PASS
	122			5426.39	-44.228	-27	-17.230	PASS
				5466.73	-30.180	-27	-3	PASS
				5470.00	-30.649	-27	-4	PASS
				5725.00	-29.930	-27	-3	PASS
				6220.46	-29.512	-27	-3	PASS
				22043.5	-42.850	-27	-15.850	PASS
IEEE 802.11ax_160	114			5458.30	-44.922	-27	-17.920	PASS
				5468.55	-29.501	-27	-3	PASS
				5470.00	-30.376	-27	-3	PASS
				5725.00	-32.061	-27	-5	PASS
				6224.09	-31.030	-27	-4	PASS
				16319.5	-43.299	-27	-16.300	PASS

Test Graphs

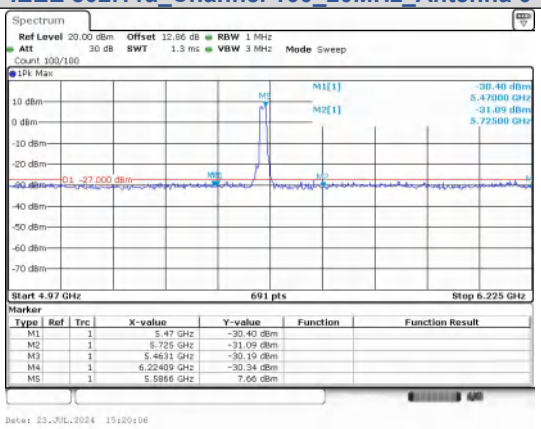




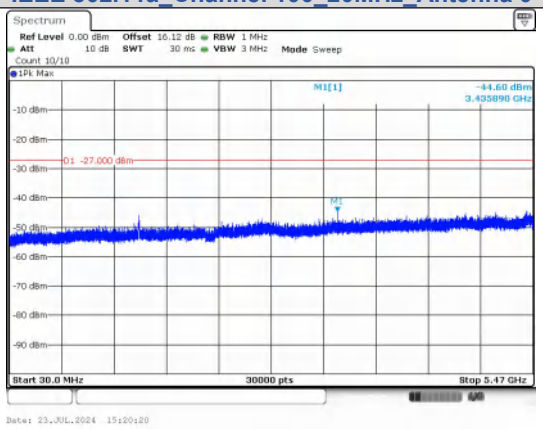
Out Of Band Emission
IEEE 802.11a_Channel 100_20MHz_Antenna 0



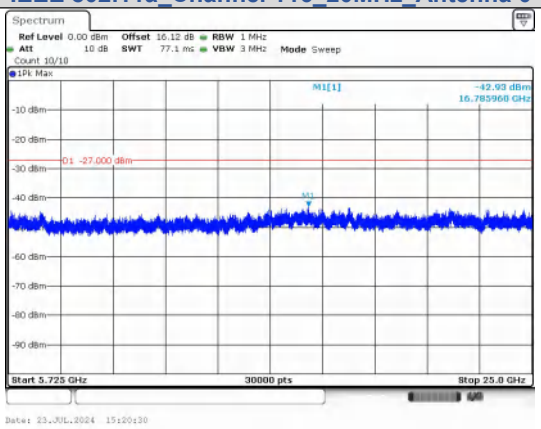
Spurious Emission:30.0~5470 MHz
IEEE 802.11a_Channel 100_20MHz_Antenna 0



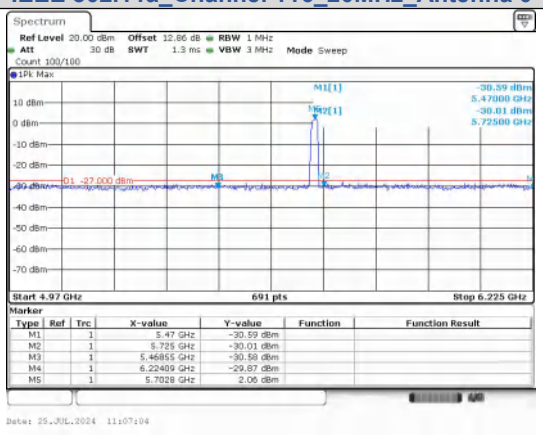
Spurious Emission:5725~25000.0 MHz
IEEE 802.11a_Channel 100_20MHz_Antenna 0



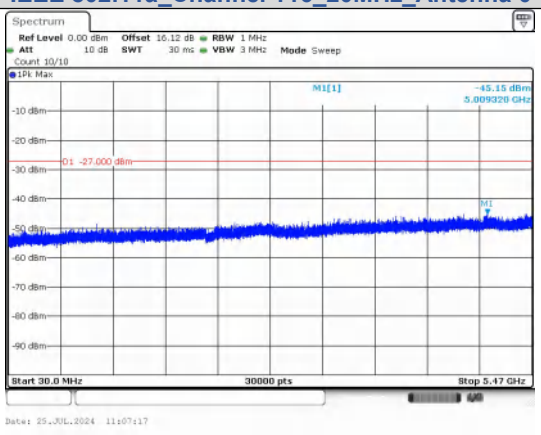
Out Of Band Emission
IEEE 802.11a_Channel 116_20MHz_Antenna 0



Spurious Emission:30.0~5470 MHz
IEEE 802.11a_Channel 116_20MHz_Antenna 0

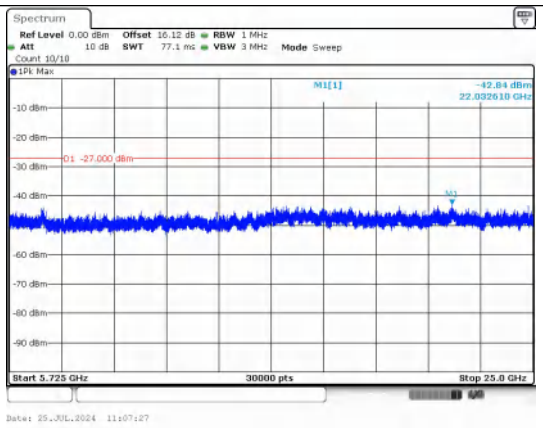


Spurious Emission:5725~25000.0 MHz
IEEE 802.11a_Channel 116_20MHz_Antenna 0

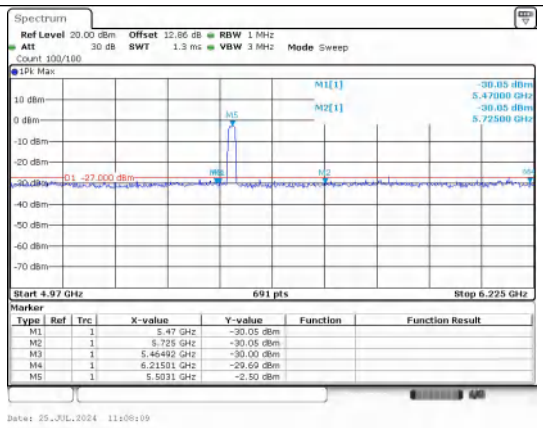


Out Of Band Emission
IEEE 802.11a_Channel 140_20MHz_Antenna 0

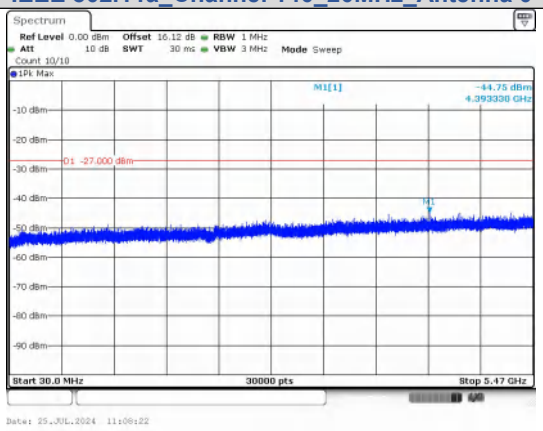
Spurious Emission:30.0~5470 MHz
IEEE 802.11a_Channel 140_20MHz_Antenna 0



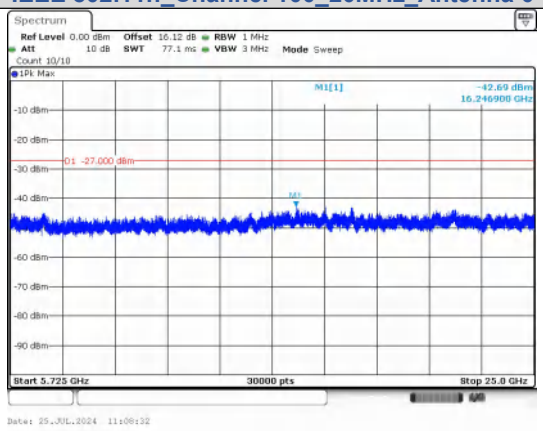
Spurious Emission:5725~25000.0 MHz
IEEE 802.11a_Channel 140_20MHz_Antenna 0



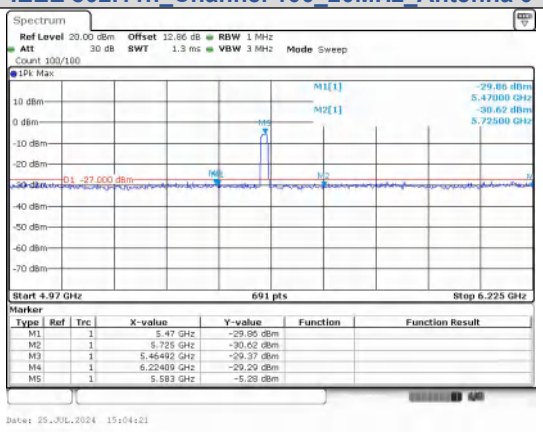
Out Of Band Emission
IEEE 802.11n_Channel 100_20MHz_Antenna 0



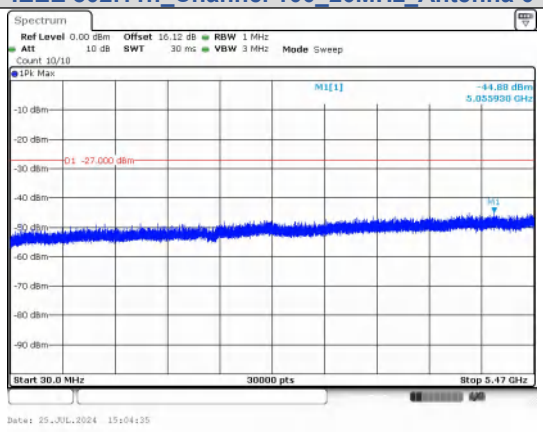
Spurious Emission:30.0~5470 MHz
IEEE 802.11n_Channel 100_20MHz_Antenna 0



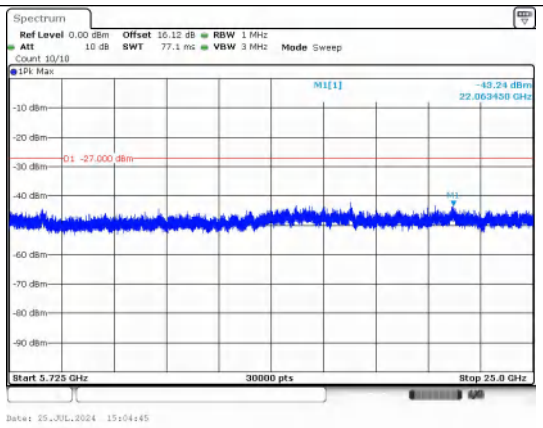
Spurious Emission:5725~25000.0 MHz
IEEE 802.11n_Channel 100_20MHz_Antenna 0



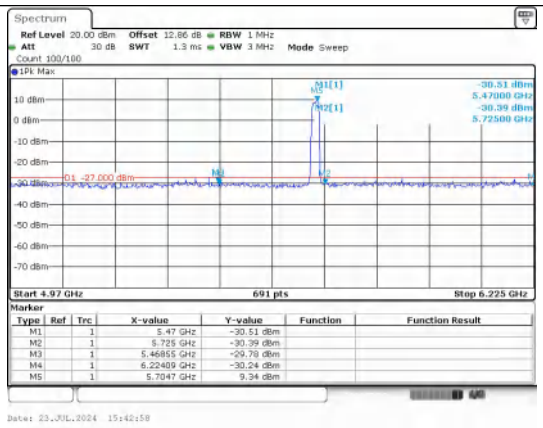
Out Of Band Emission
IEEE 802.11n_Channel 116_20MHz_Antenna 0



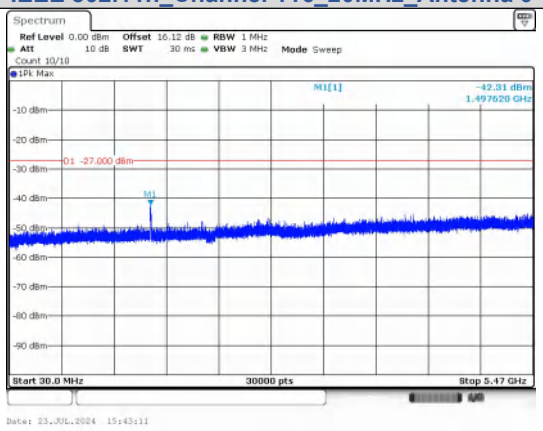
Spurious Emission:30.0~5470 MHz
IEEE 802.11n_Channel 116_20MHz_Antenna 0



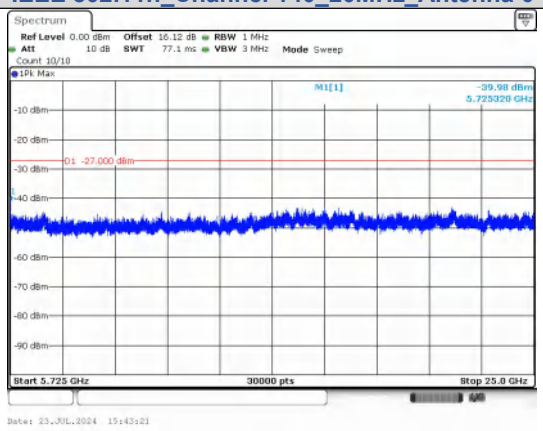
Spurious Emission:5725~25000.0 MHz
IEEE 802.11n_Channel 116_20MHz_Antenna 0



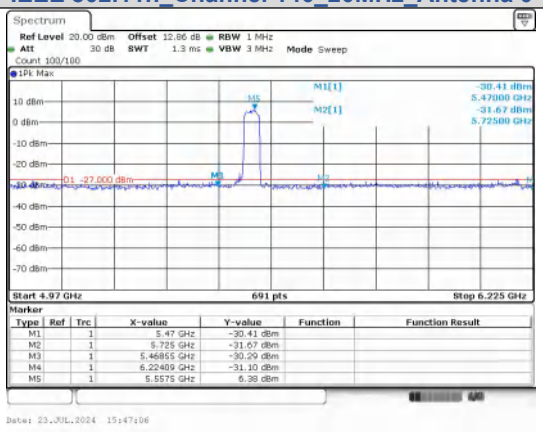
Out Of Band Emission
IEEE 802.11n_Channel 140_20MHz_Antenna 0



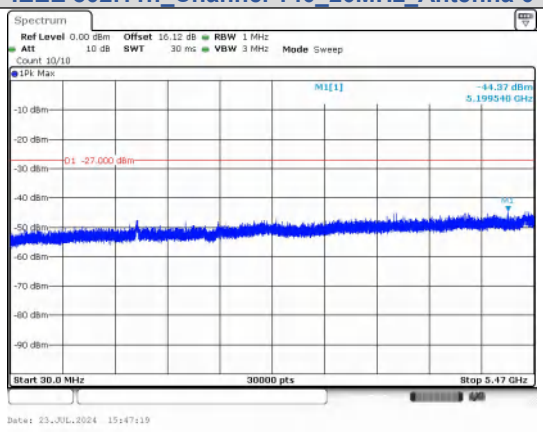
Spurious Emission:30.0~5470 MHz
IEEE 802.11n_Channel 140_20MHz_Antenna 0



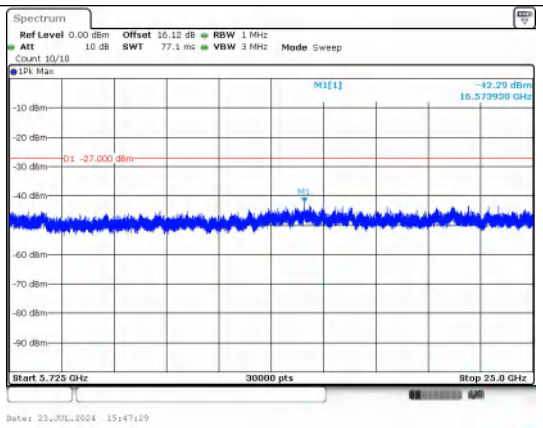
Spurious Emission:5725~25000.0 MHz
IEEE 802.11n_Channel 140_20MHz_Antenna 0



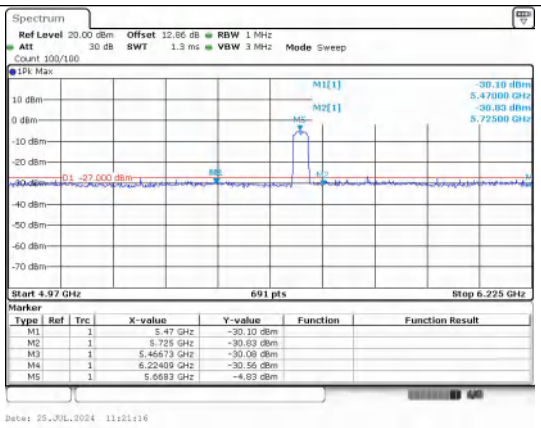
Out Of Band Emission
IEEE 802.11n_Channel 110_40MHz_Antenna 0



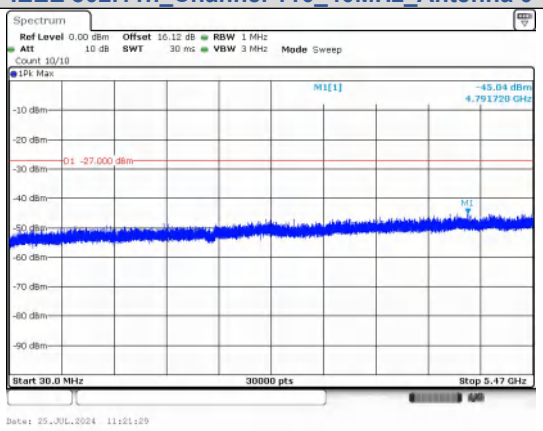
Spurious Emission:30.0~5470 MHz
IEEE 802.11n_Channel 110_40MHz_Antenna 0



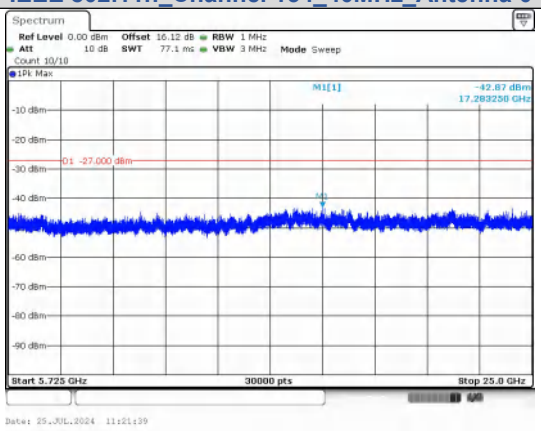
Spurious Emission:5725~25000.0 MHz
IEEE 802.11n_Channel 110_40MHz_Antenna 0



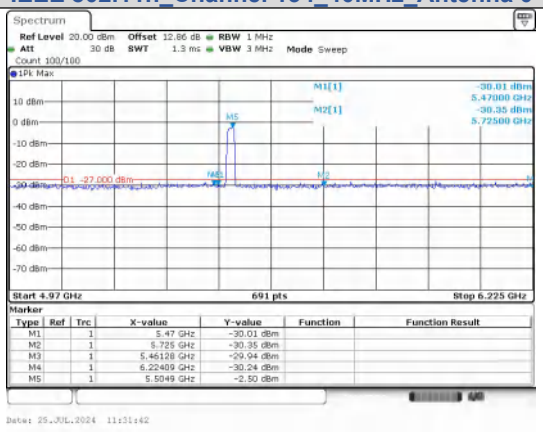
Out Of Band Emission
IEEE 802.11n_Channel 134_40MHz_Antenna 0



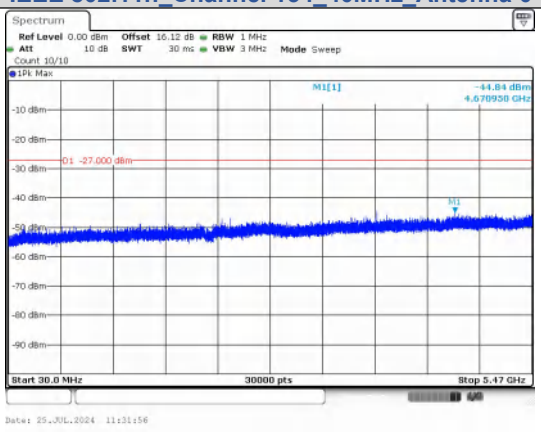
Spurious Emission:30.0~5470 MHz
IEEE 802.11n_Channel 134_40MHz_Antenna 0



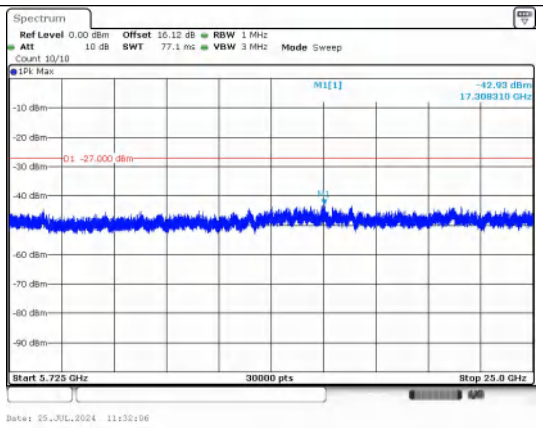
Spurious Emission:5725~25000.0 MHz
IEEE 802.11n_Channel 134_40MHz_Antenna 0



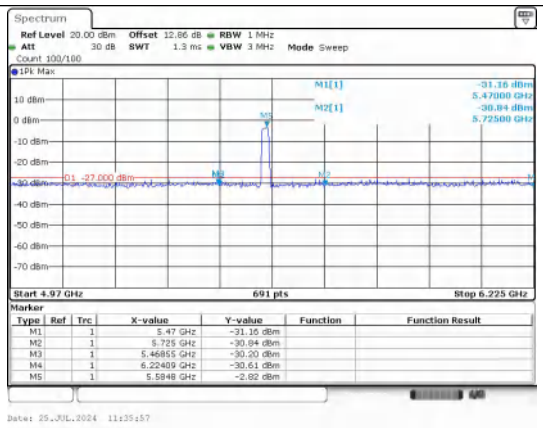
Out Of Band Emission
IEEE 802.11ac_Channel 100_20MHz_Antenna 0



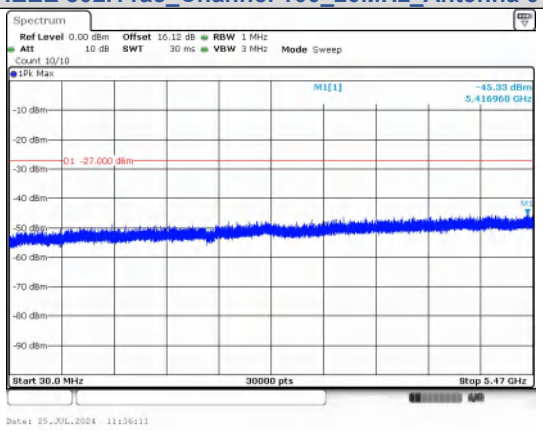
Spurious Emission:30.0~5470 MHz
IEEE 802.11ac_Channel 100_20MHz_Antenna 0



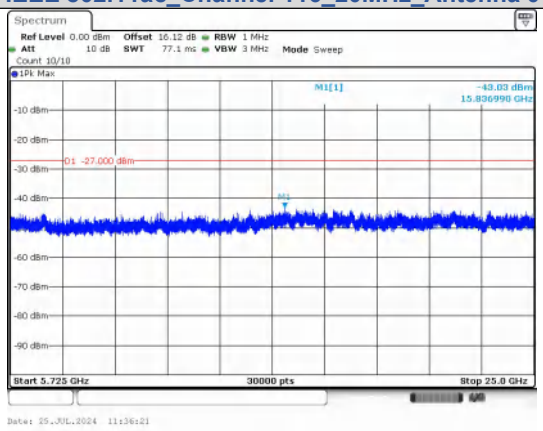
Spurious Emission:5725~25000.0 MHz
IEEE 802.11ac_Channel 100_20MHz_Antenna 0



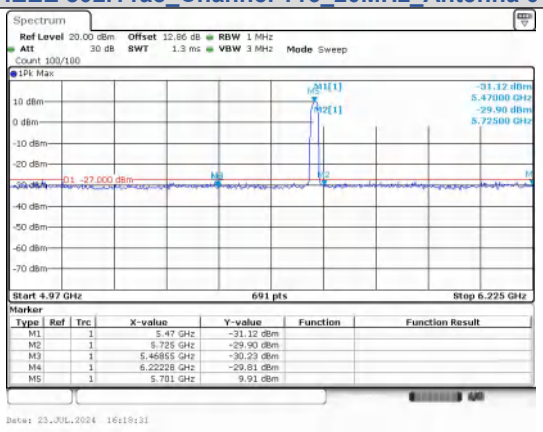
Out Of Band Emission
IEEE 802.11ac_Channel 116_20MHz_Antenna 0



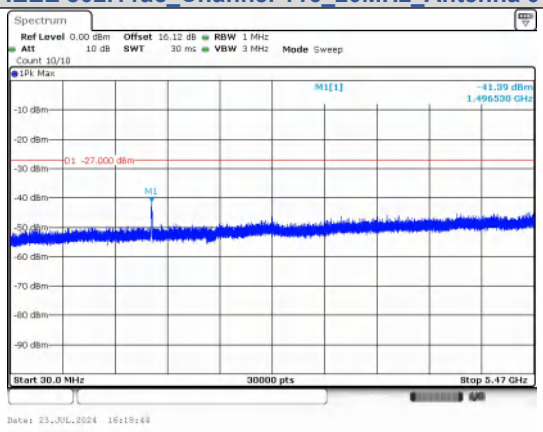
Spurious Emission:30.0~5470 MHz
IEEE 802.11ac_Channel 116_20MHz_Antenna 0



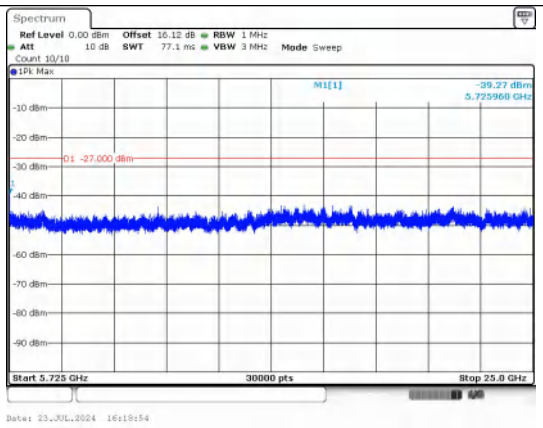
Spurious Emission:5725~25000.0 MHz
IEEE 802.11ac_Channel 116_20MHz_Antenna 0



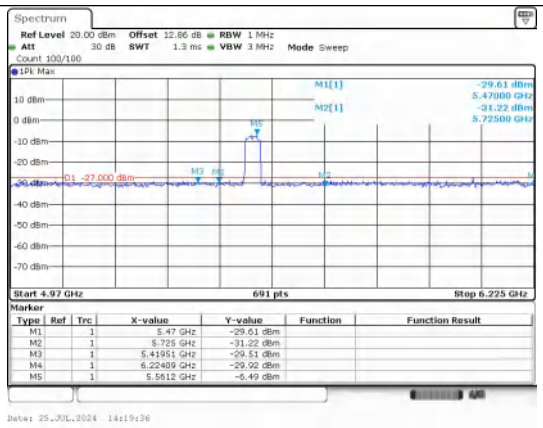
Out Of Band Emission
IEEE 802.11ac_Channel 140_20MHz_Antenna 0



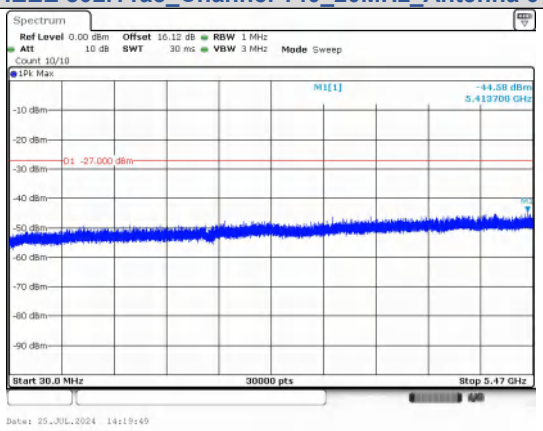
Spurious Emission:30.0~5470 MHz
IEEE 802.11ac_Channel 140_20MHz_Antenna 0



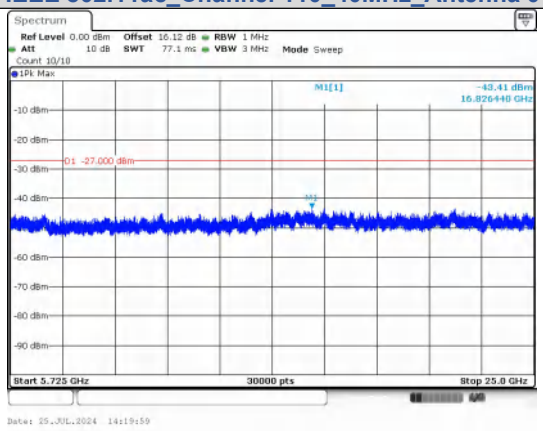
Spurious Emission:5725~25000.0 MHz
IEEE 802.11ac_Channel 140_20MHz_Antenna 0



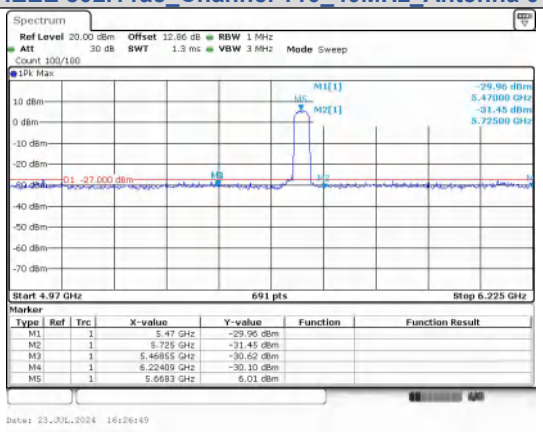
Out Of Band Emission
IEEE 802.11ac_Channel 110_40MHz_Antenna 0



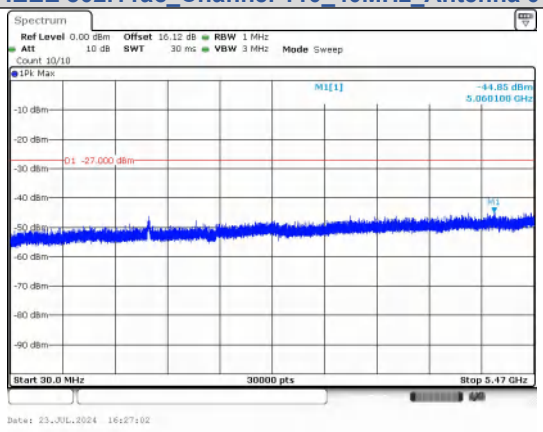
Spurious Emission:30.0~5470 MHz
IEEE 802.11ac_Channel 110_40MHz_Antenna 0



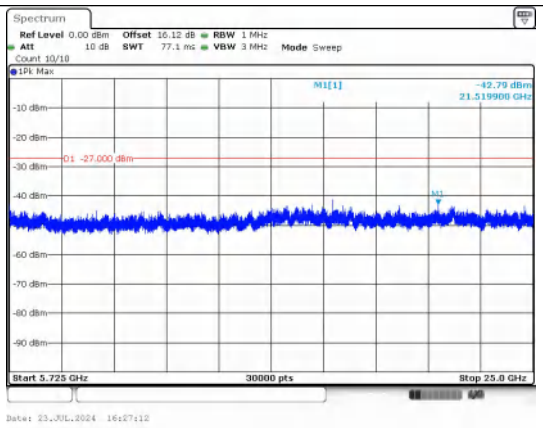
Spurious Emission:5725~25000.0 MHz
IEEE 802.11ac_Channel 110_40MHz_Antenna 0



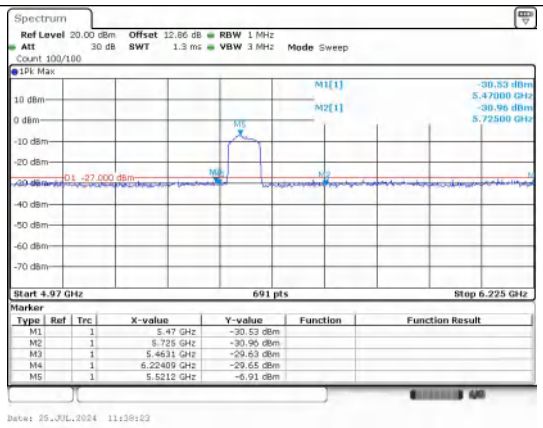
Out Of Band Emission
IEEE 802.11ac_Channel 134_40MHz_Antenna 0



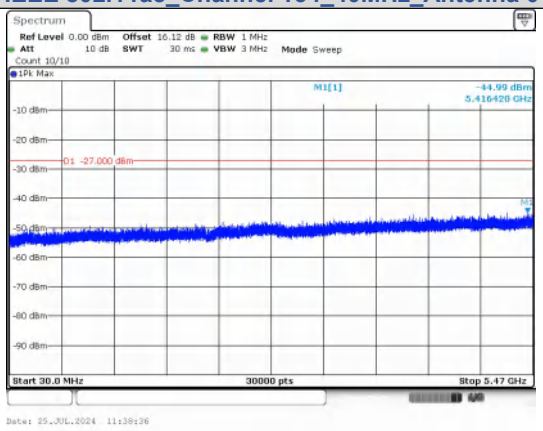
Spurious Emission:30.0~5470 MHz
IEEE 802.11ac_Channel 134_40MHz_Antenna 0



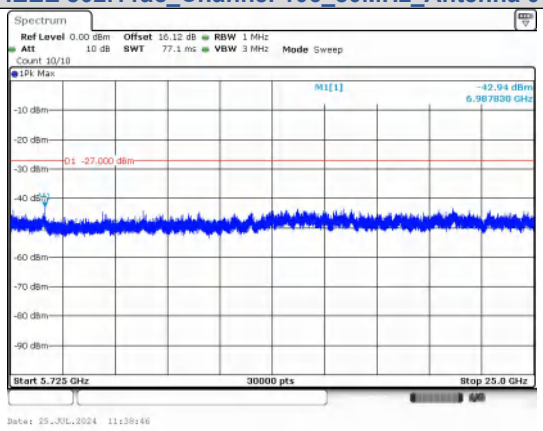
Spurious Emission:5725~25000.0 MHz
IEEE 802.11ac_Channel 134_40MHz_Antenna 0



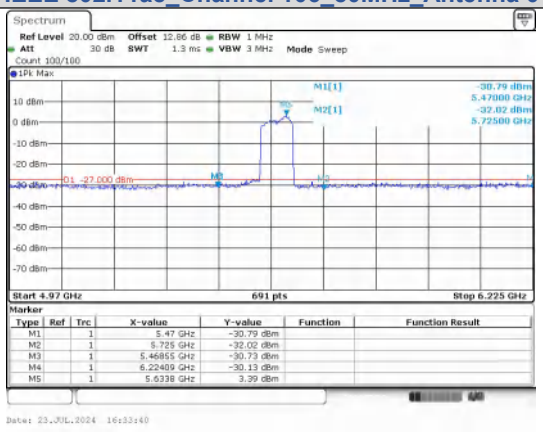
Out Of Band Emission
IEEE 802.11ac_Channel 106_80MHz_Antenna 0



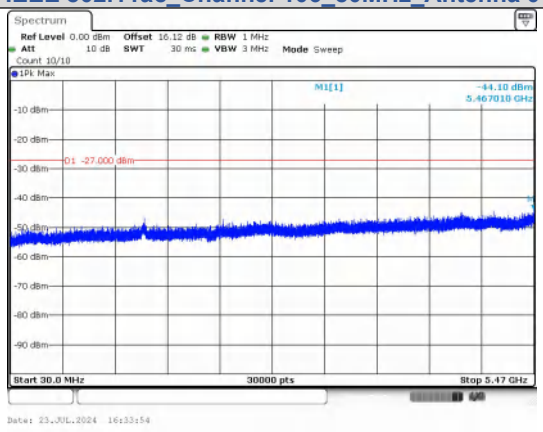
Spurious Emission:30.0~5470 MHz
IEEE 802.11ac_Channel 106_80MHz_Antenna 0



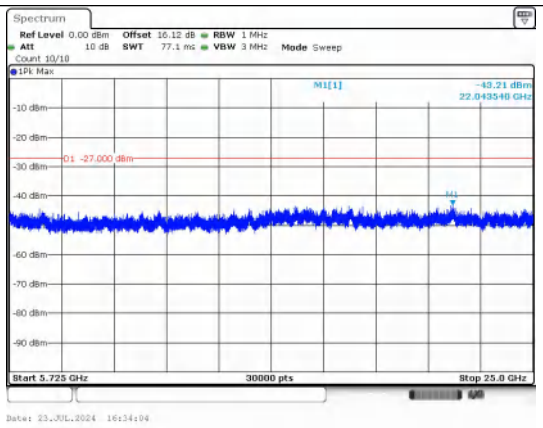
Spurious Emission:5725~25000.0 MHz
IEEE 802.11ac_Channel 106_80MHz_Antenna 0



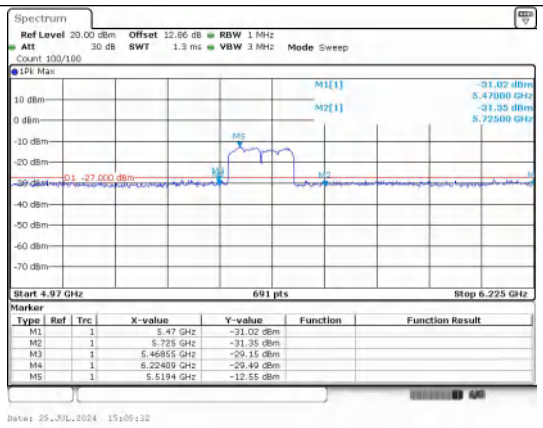
Out Of Band Emission
IEEE 802.11ac_Channel 122_80MHz_Antenna 0



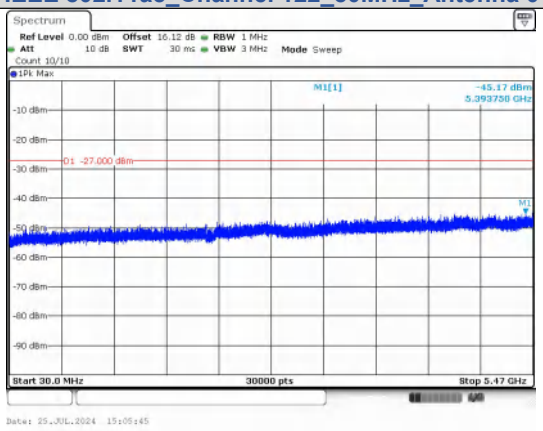
Spurious Emission:30.0~5470 MHz
IEEE 802.11ac_Channel 122_80MHz_Antenna 0



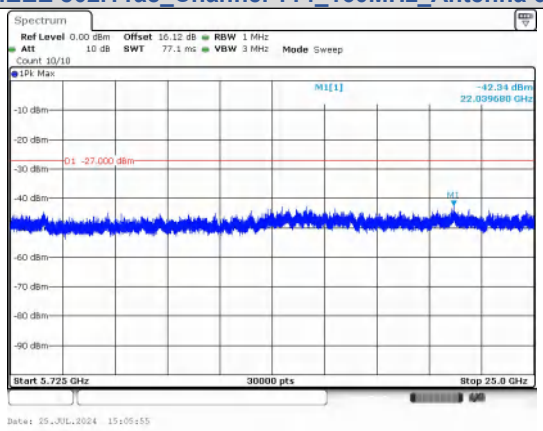
Spurious Emission:5725~25000.0 MHz
IEEE 802.11ac_Channel 122_80MHz_Antenna 0



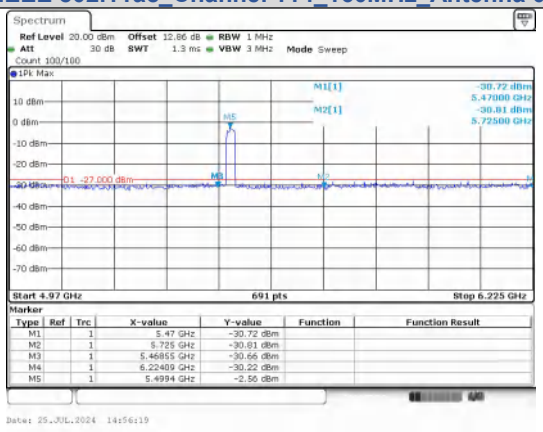
Out Of Band Emission
IEEE 802.11ac_Channel 114_160MHz_Antenna 0



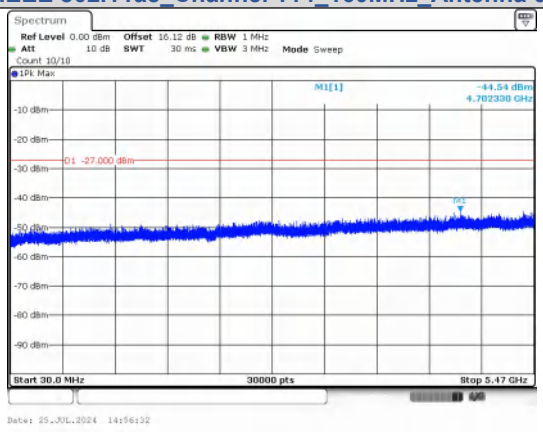
Spurious Emission:30.0~5470 MHz
IEEE 802.11ac_Channel 114_160MHz_Antenna 0



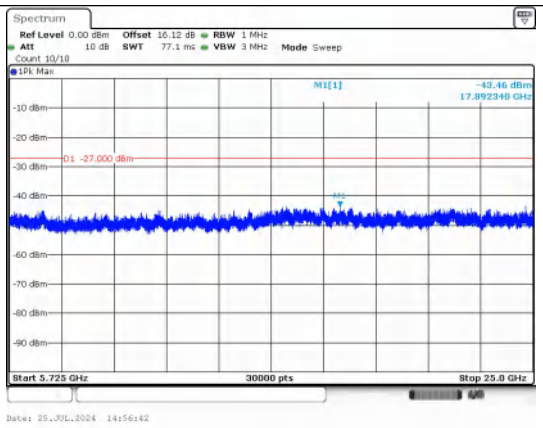
Spurious Emission:5725~25000.0 MHz
IEEE 802.11ac_Channel 114_160MHz_Antenna 0



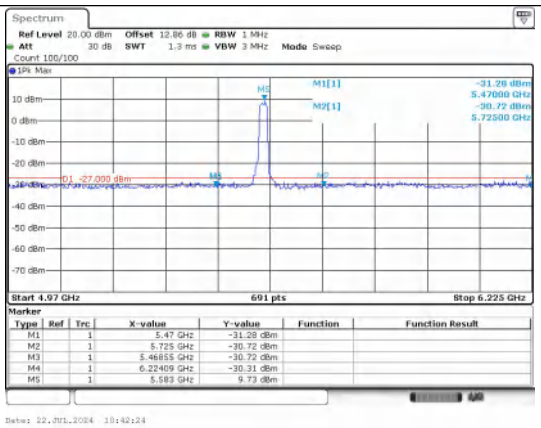
Out Of Band Emission
IEEE 802.11ax_Channel 100_20MHz_Antenna 0_RU&Index SU



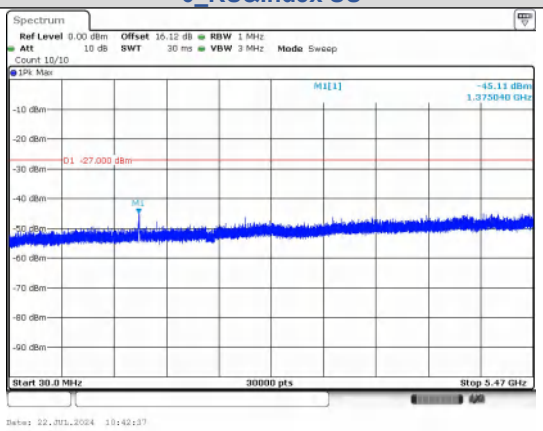
Spurious Emission:30.0~5470 MHz
IEEE 802.11ax_Channel 100_20MHz_Antenna 0_RU&Index SU



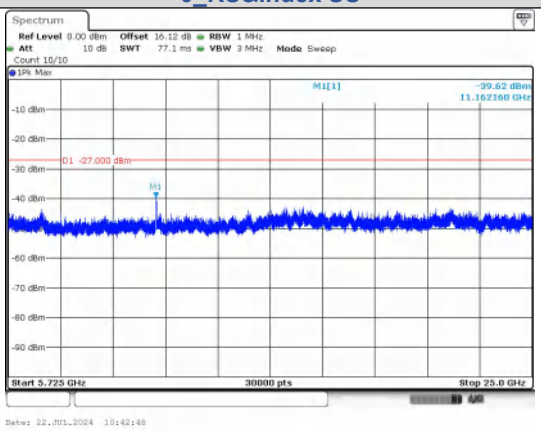
Spurious Emission:5725~25000.0 MHz
IEEE 802.11ax_Channel 100_20MHz_Antenna 0_RU&Index SU



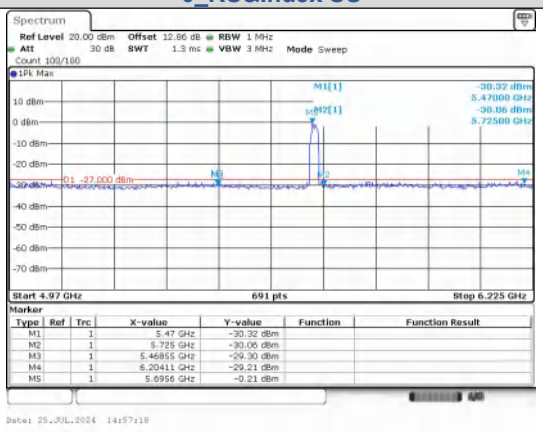
Out Of Band Emission
IEEE 802.11ax_Channel 116_20MHz_Antenna 0_RU&Index SU



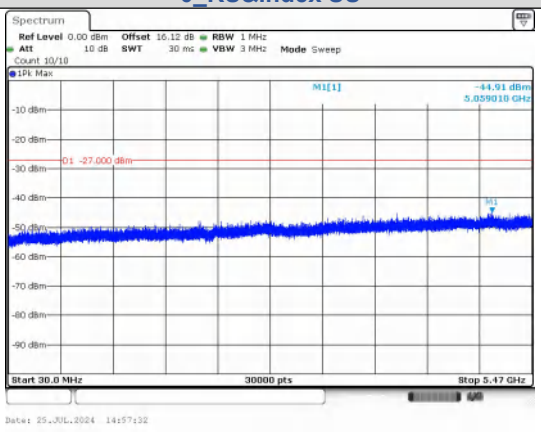
Spurious Emission:30.0~5470 MHz
IEEE 802.11ax_Channel 116_20MHz_Antenna 0_RU&Index SU



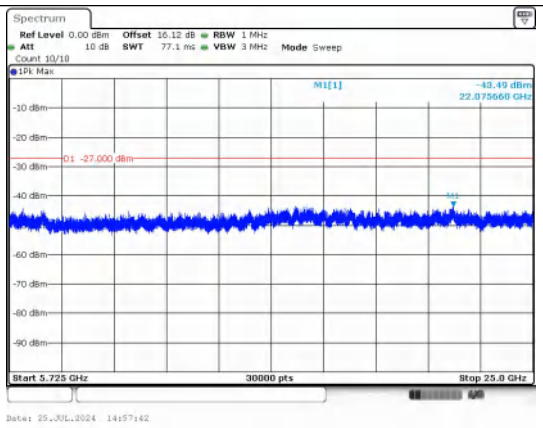
Spurious Emission:5725~25000.0 MHz
IEEE 802.11ax_Channel 116_20MHz_Antenna 0_RU&Index SU



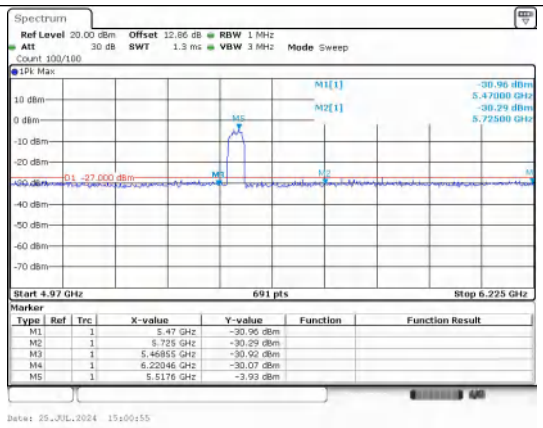
Out Of Band Emission
IEEE 802.11ax_Channel 140_20MHz_Antenna 0_RU&Index SU



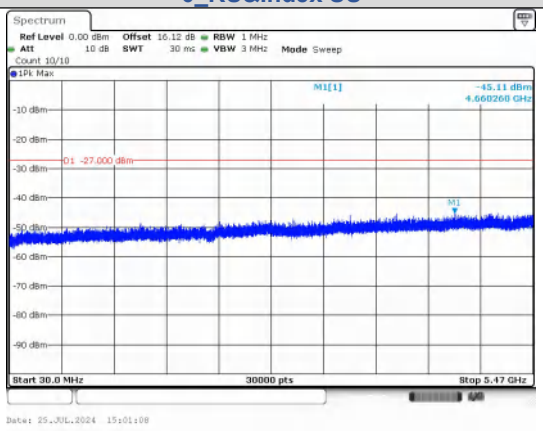
Spurious Emission:30.0~5470 MHz
IEEE 802.11ax_Channel 140_20MHz_Antenna 0_RU&Index SU



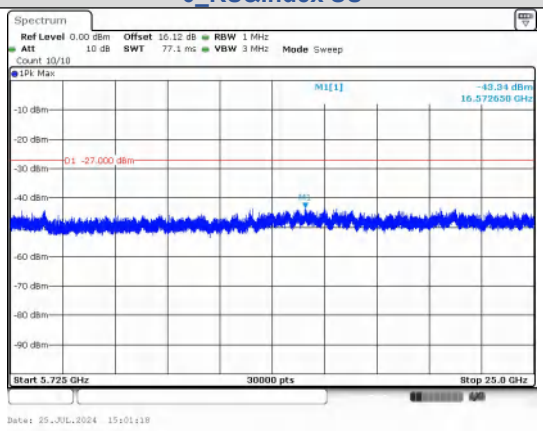
Spurious Emission:5725~25000.0 MHz
IEEE 802.11ax_Channel 140_20MHz_Antenna 0_RU&Index SU



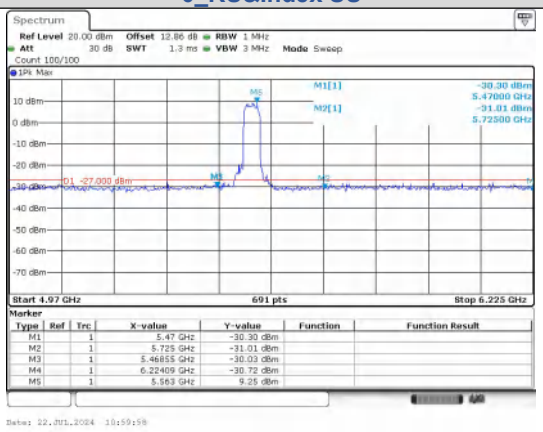
Out Of Band Emission
IEEE 802.11ax_Channel 102_40MHz_Antenna 0_RU&Index SU



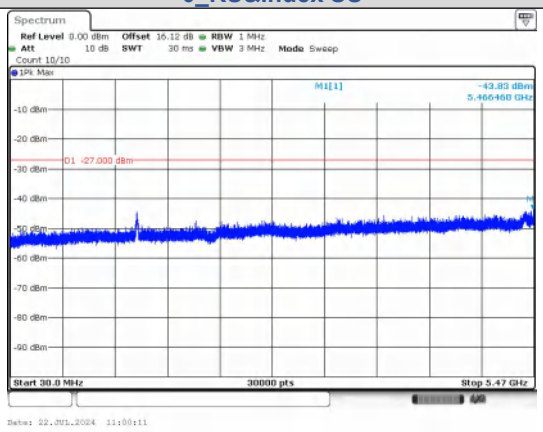
Spurious Emission:30.0~5470 MHz
IEEE 802.11ax_Channel 102_40MHz_Antenna 0_RU&Index SU



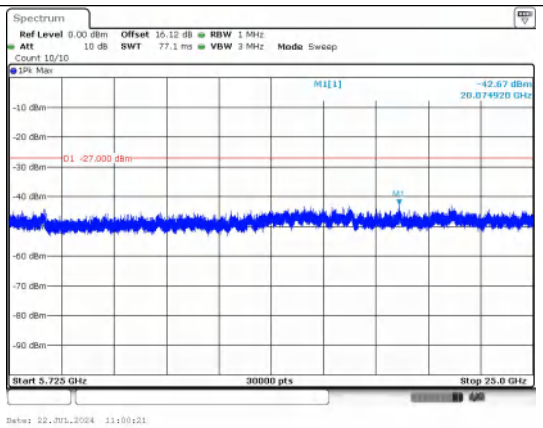
Spurious Emission:5725~25000.0 MHz
IEEE 802.11ax_Channel 102_40MHz_Antenna 0_RU&Index SU



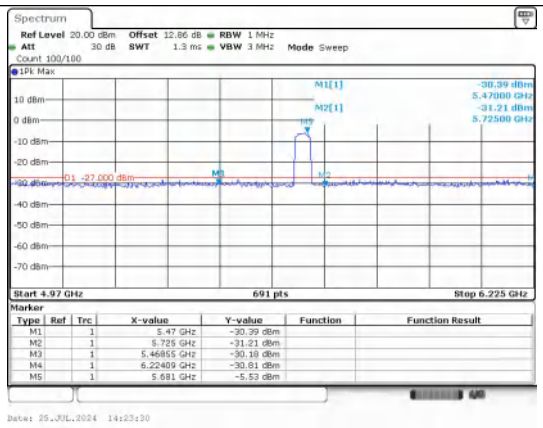
Out Of Band Emission
IEEE 802.11ax_Channel 110_40MHz_Antenna 0_RU&Index SU



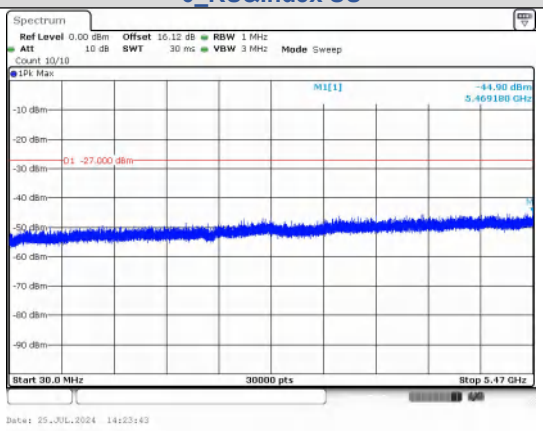
Spurious Emission:30.0~5470 MHz
IEEE 802.11ax_Channel 110_40MHz_Antenna 0_RU&Index SU



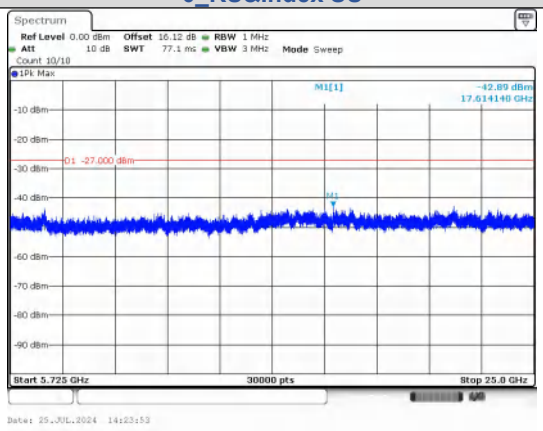
Spurious Emission:5725~25000.0 MHz
IEEE 802.11ax_Channel 110_40MHz_Antenna 0_RU&Index SU



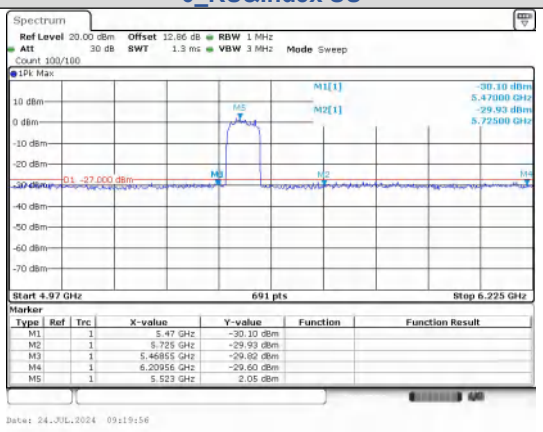
Out Of Band Emission
IEEE 802.11ax_Channel 134_40MHz_Antenna 0_RU&Index SU



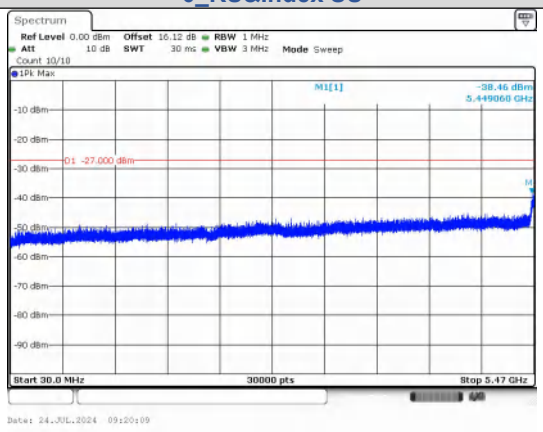
Spurious Emission:30.0~5470 MHz
IEEE 802.11ax_Channel 134_40MHz_Antenna 0_RU&Index SU



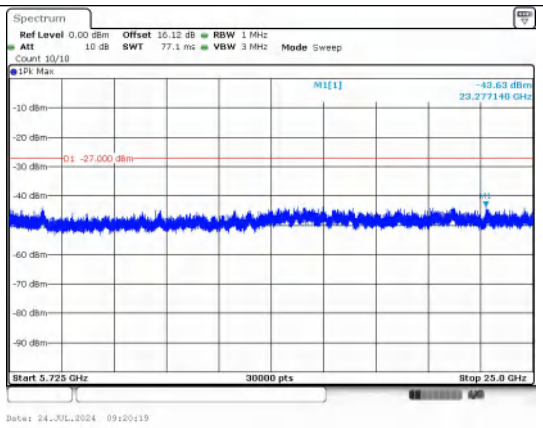
Spurious Emission:5725~25000.0 MHz
IEEE 802.11ax_Channel 134_40MHz_Antenna 0_RU&Index SU



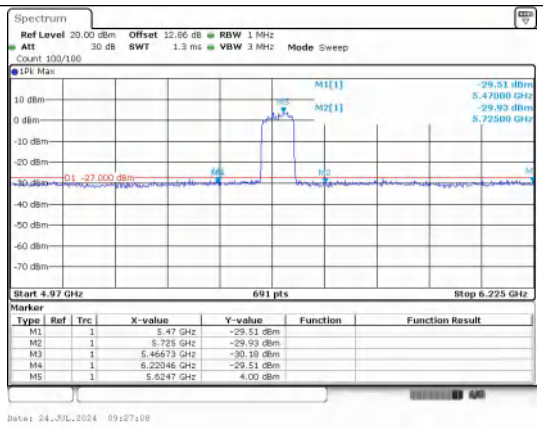
Out Of Band Emission
IEEE 802.11ax_Channel 106_80MHz_Antenna 0_RU&Index SU



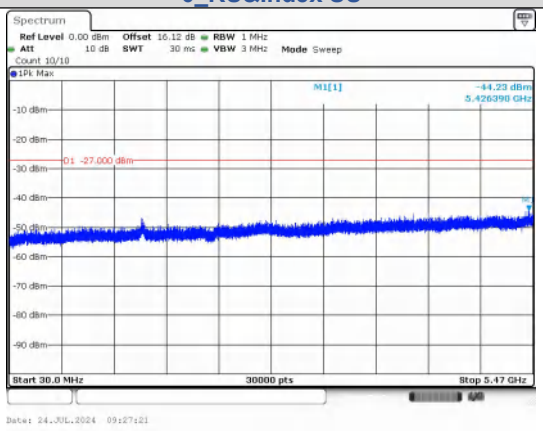
Spurious Emission:30.0~5470 MHz
IEEE 802.11ax_Channel 106_80MHz_Antenna 0_RU&Index SU



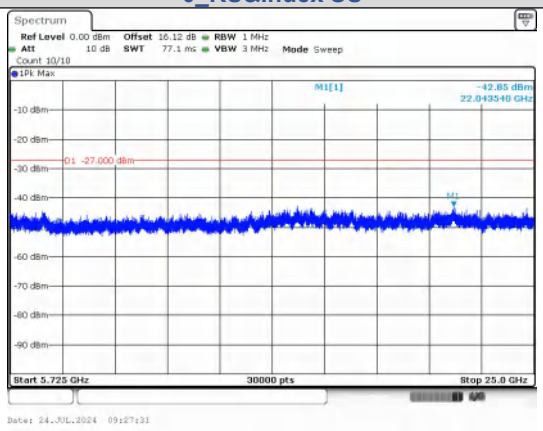
Spurious Emission:5725~25000.0 MHz
IEEE 802.11ax_Channel 106_80MHz_Antenna 0_RU&Index SU



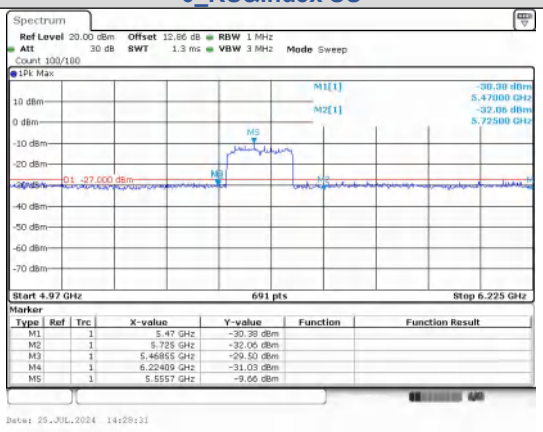
Out Of Band Emission
IEEE 802.11ax_Channel 122_80MHz_Antenna 0_RU&Index SU



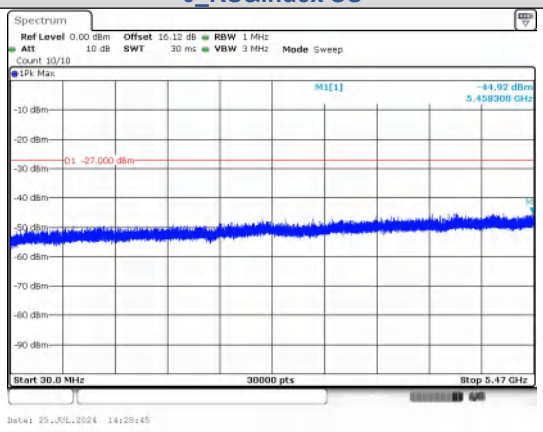
Spurious Emission:30.0~5470 MHz
IEEE 802.11ax_Channel 122_80MHz_Antenna 0_RU&Index SU



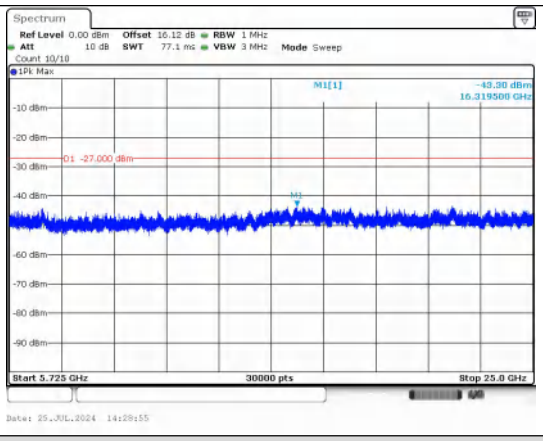
Spurious Emission:5725~25000.0 MHz
IEEE 802.11ax_Channel 122_80MHz_Antenna 0_RU&Index SU



Out Of Band Emission
IEEE 802.11ax_Channel 114_160MHz_Antenna 0_RU&Index SU



Spurious Emission:30.0~5470 MHz
IEEE 802.11ax_Channel 114_160MHz_Antenna 0_RU&Index SU



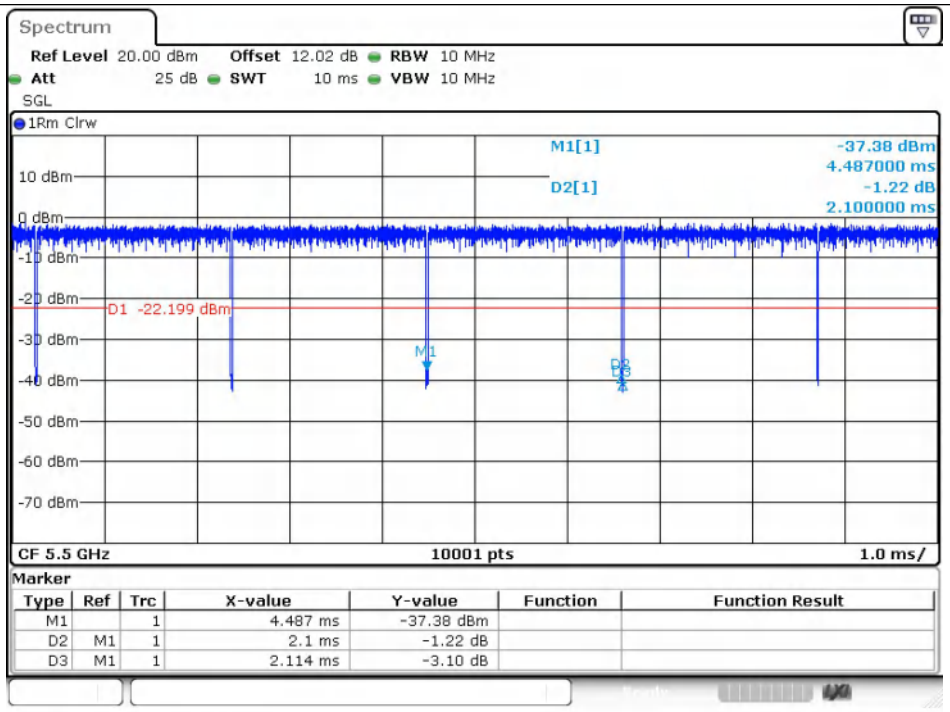
Spurious Emission:5725~25000.0 MHz
IEEE 802.11ax_Channel 114_160MHz_Antenna 0_RU&Index SU

Duty Cycle

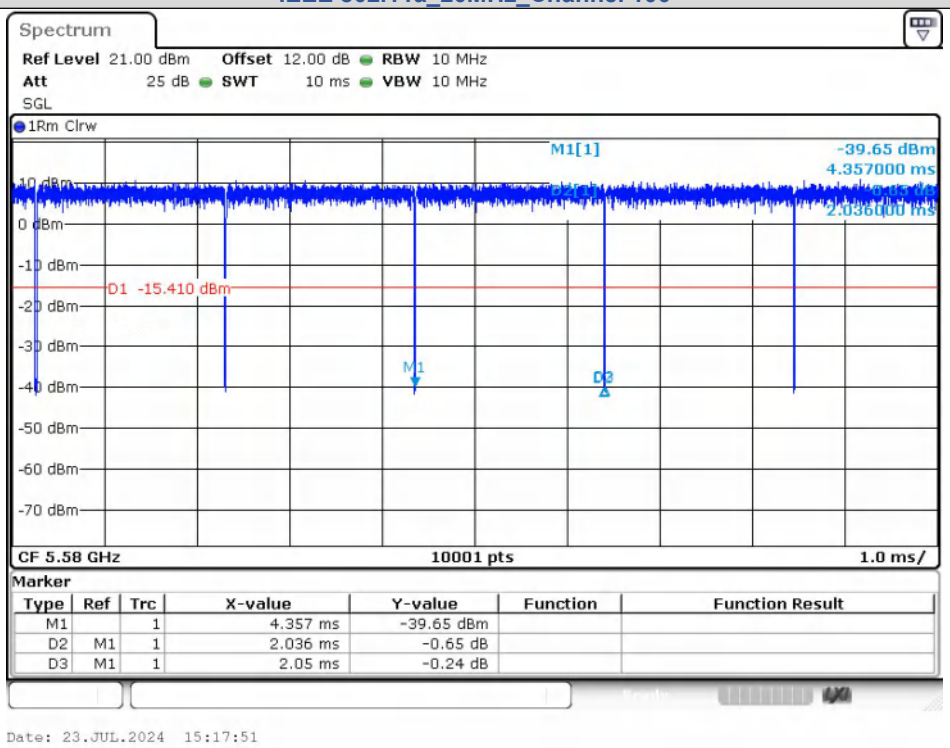
Test Result

Mode	Data rates	Channel	RU & Index	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
IEEE 802.11a	6	100	N/A	1	2.100	2.114	99.34	0.9934	0.0288	0.48
		116			2.036	2.050	99.32	0.9932	0.0296	0.49
		140			2.100	2.114	99.34	0.9934	0.0288	0.48
IEEE 802.11n_20	MCS 0	100			5.438	5.447	99.83	0.9983	0.0074	0.18
		116			5.438	5.447	99.83	0.9983	0.0074	0.18
		140			5.436	5.447	99.79	0.9979	0.0091	0.18
IEEE 802.11n_40		110			5.436	5.445	99.83	0.9983	0.0074	0.18
		134			5.436	5.447	99.79	0.9979	0.0091	0.18
IEEE 802.11ac_20		100			5.436	5.447	99.79	0.9979	0.0091	0.18
		116			5.436	6.086	89.32	0.8932	0.4905	0.18
		140			5.438	5.447	99.83	0.9983	0.0074	0.18
IEEE 802.11ac_40		110			5.436	5.445	99.83	0.9983	0.0074	0.18
		134			5.438	5.447	99.83	0.9983	0.0074	0.18
IEEE 802.11ac_80		106			5.438	5.447	99.83	0.9983	0.0074	0.18
		122			5.436	5.445	99.83	0.9983	0.0074	0.18
IEEE 802.11ac_160		114			5.438	5.447	99.83	0.9983	0.0074	0.18
IEEE 802.11ax_20		100	SU		5.454	5.463	99.84	0.9984	0.007	0.18
		116			5.454	5.465	99.79	0.9979	0.0091	0.18
		140			5.454	5.463	99.84	0.9984	0.007	0.18
IEEE 802.11ax_40		102			5.452	5.463	99.79	0.9979	0.0091	0.18
		110			5.454	5.463	99.84	0.9984	0.007	0.18
		134			5.454	5.463	99.84	0.9984	0.007	0.18
IEEE 802.11ax_80		106			5.454	5.463	99.84	0.9984	0.007	0.18
		122			5.454	5.463	99.84	0.9984	0.007	0.18
IEEE 802.11ax_160		114			5.454	6.021	90.58	0.9058	0.4297	0.18

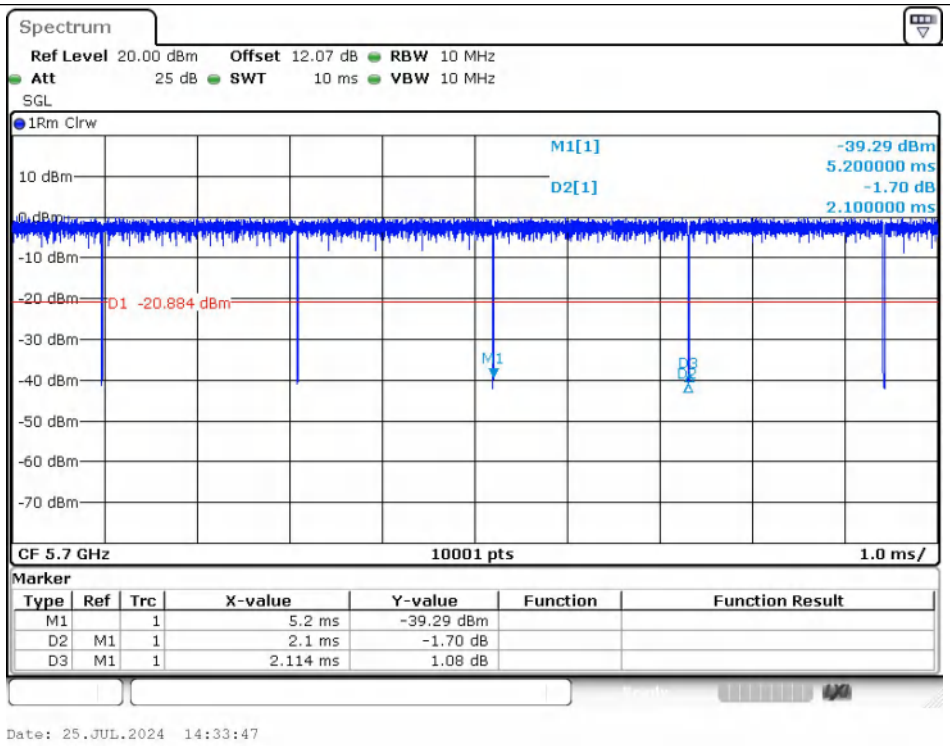
Test Graphs



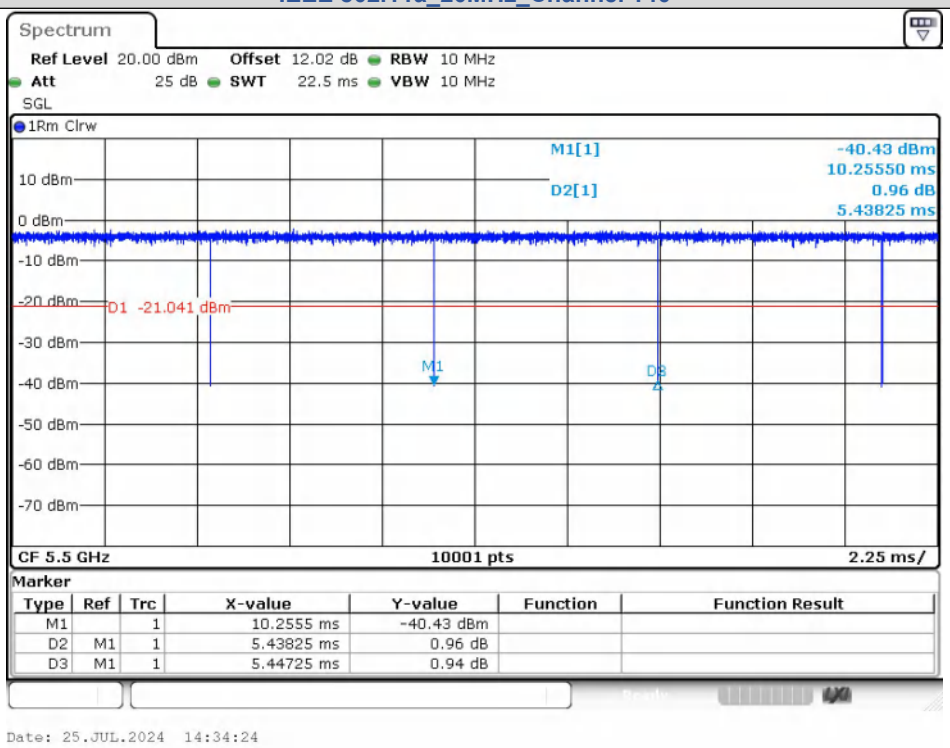
IEEE 802.11a_20MHz_Channel 100



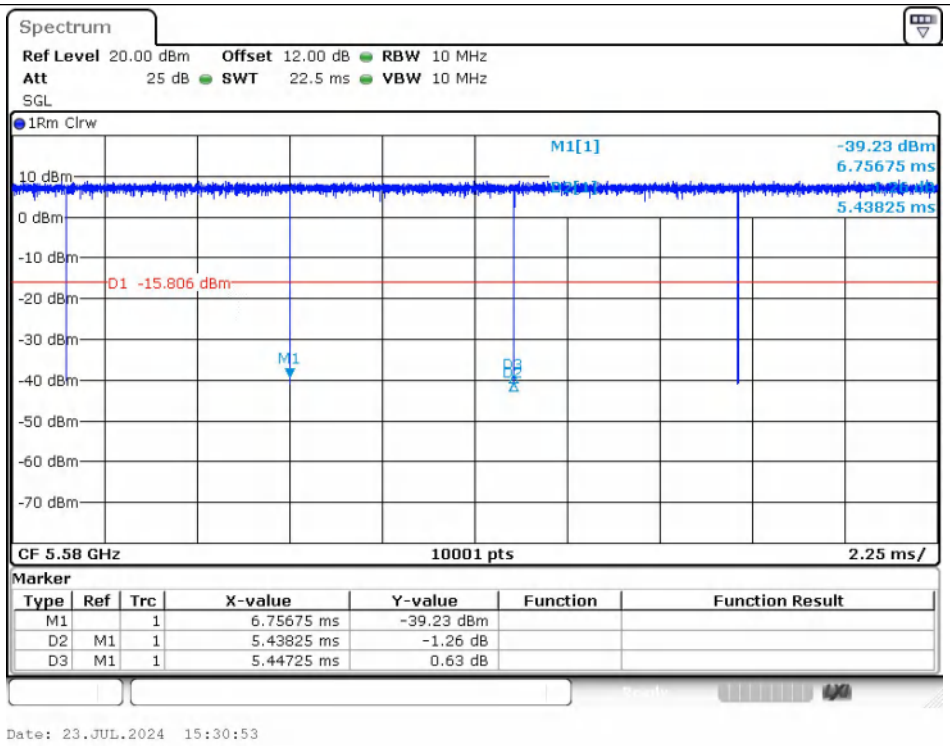
IEEE 802.11a_20MHz_Channel 116



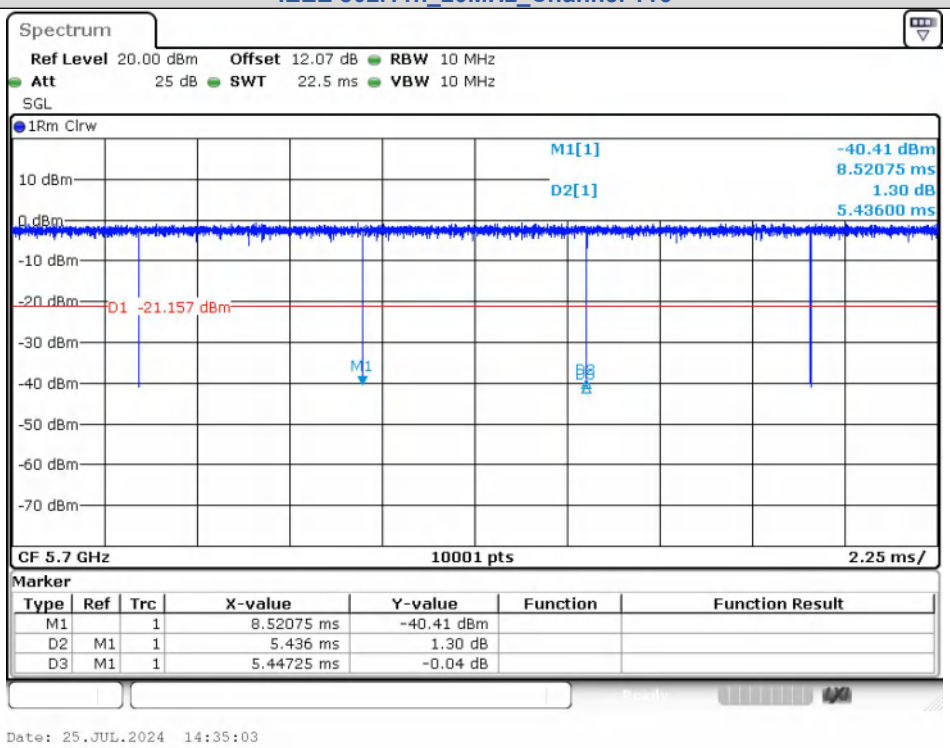
IEEE 802.11a_20MHz_Channel 140



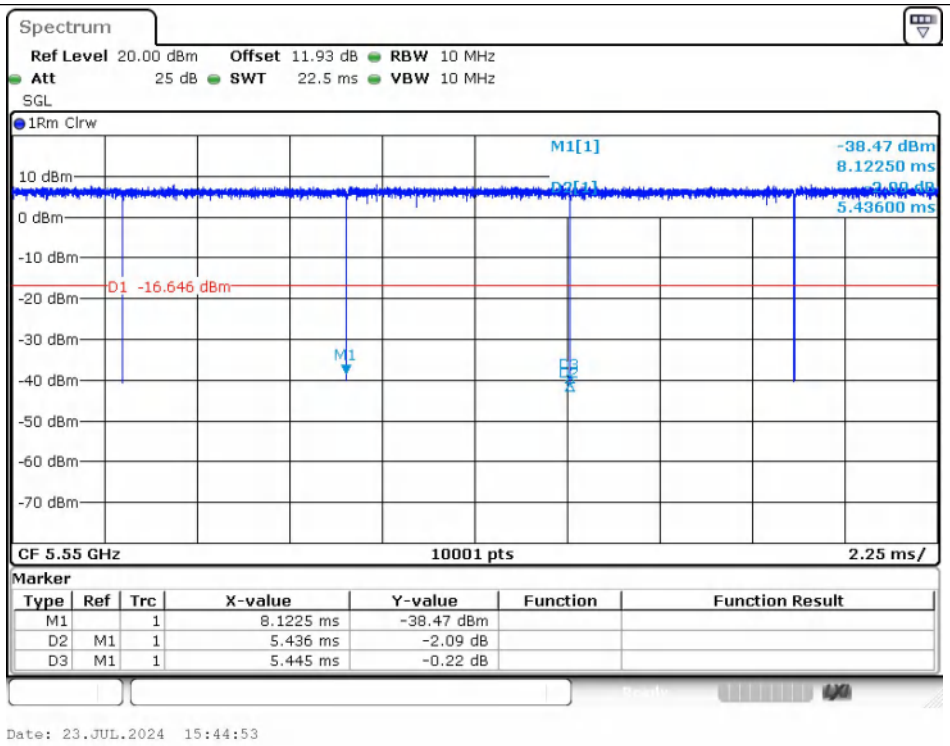
IEEE 802.11n_20MHz_Channel 100



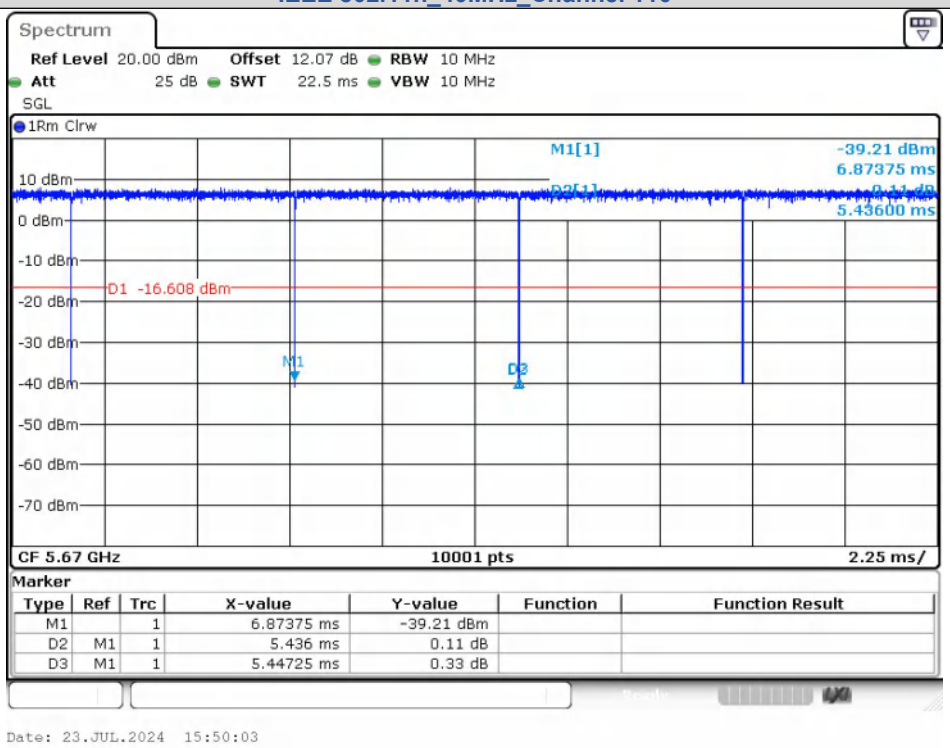
IEEE 802.11n_20MHz_Channel 116



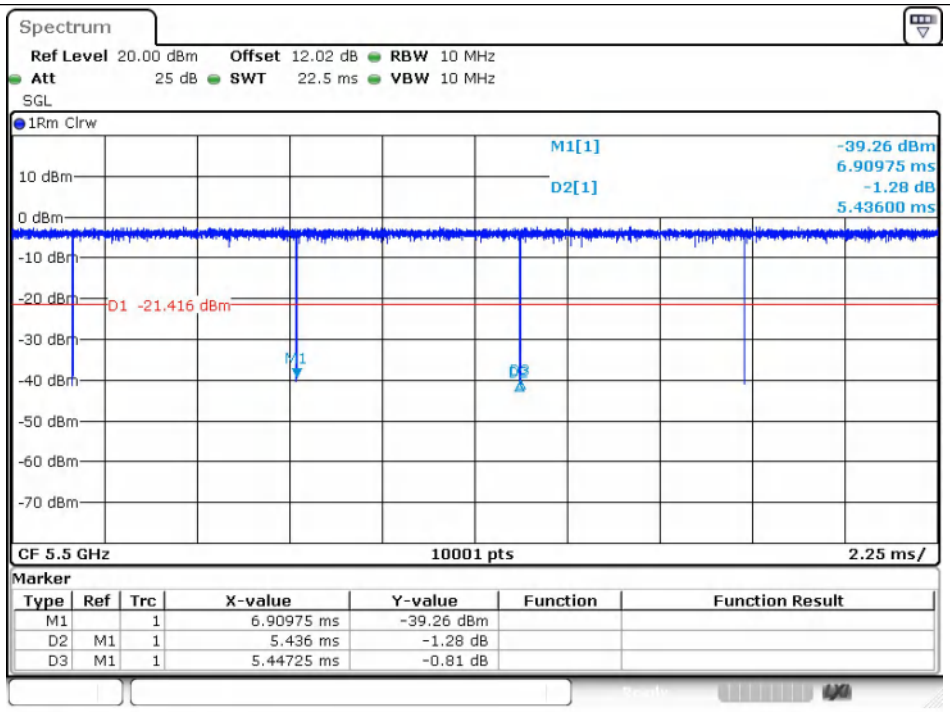
IEEE 802.11n_20MHz_Channel 140



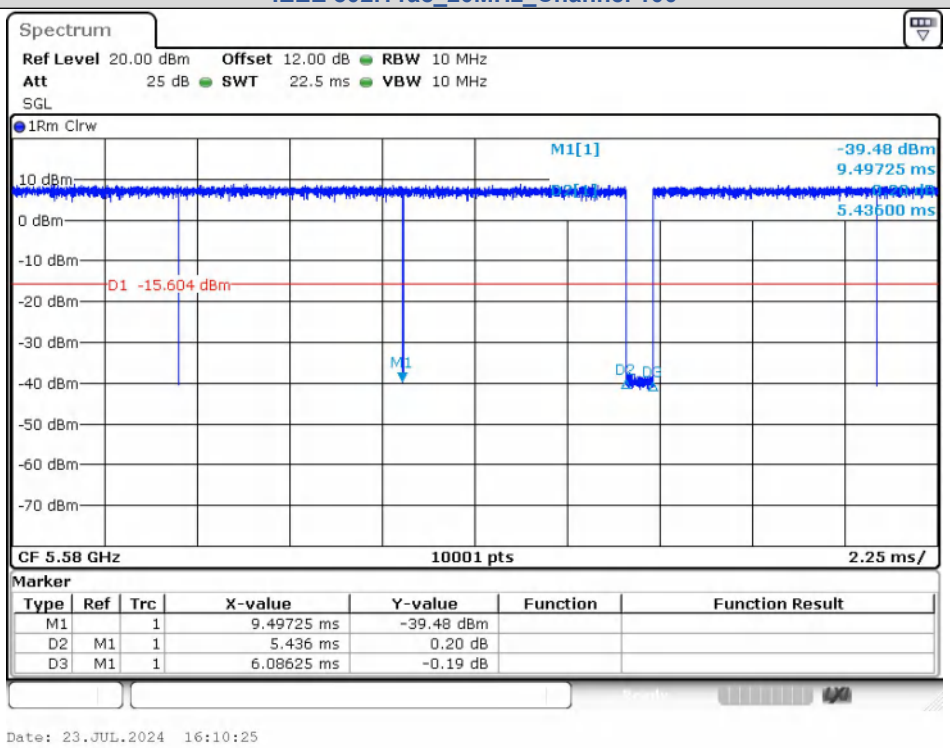
IEEE 802.11n_40MHz_Channel 110



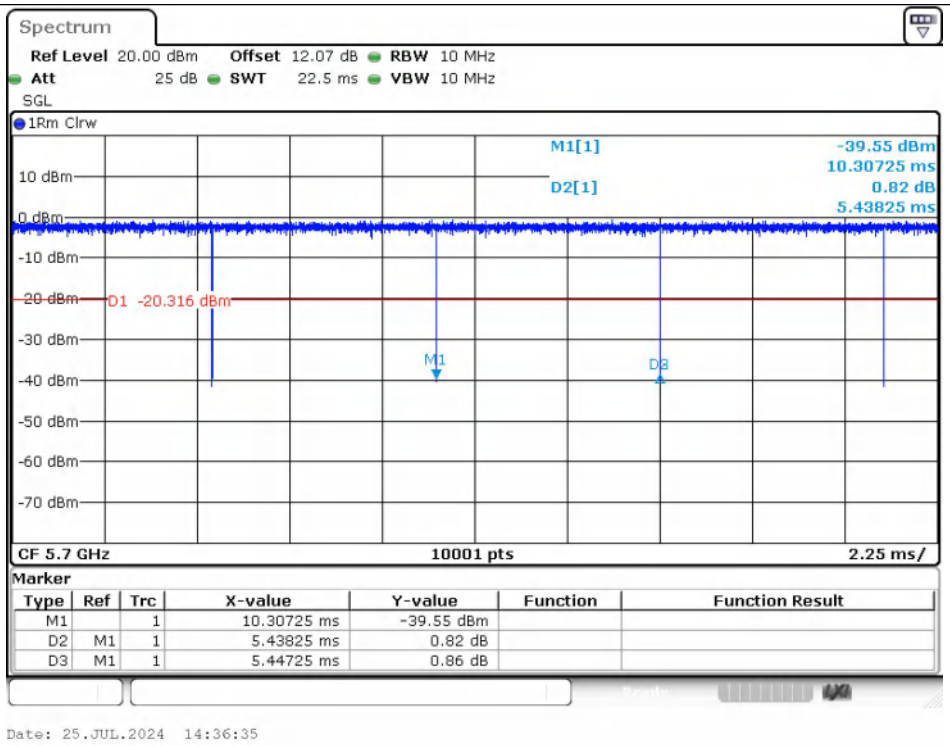
IEEE 802.11n_40MHz_Channel 134



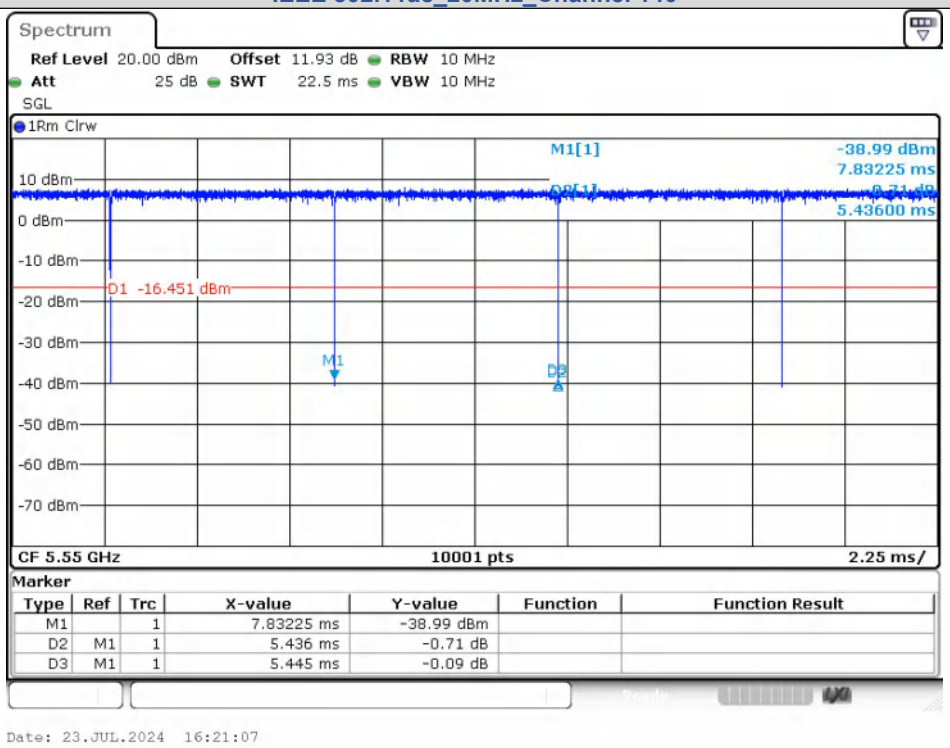
IEEE 802.11ac_20MHz_Channel 100



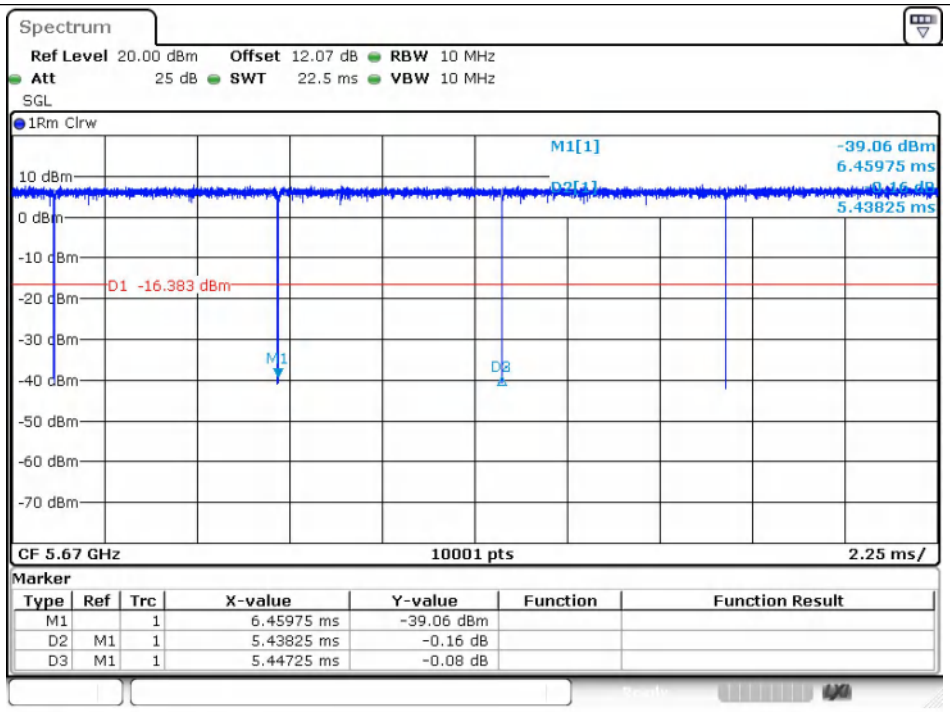
IEEE 802.11ac_20MHz_Channel 116



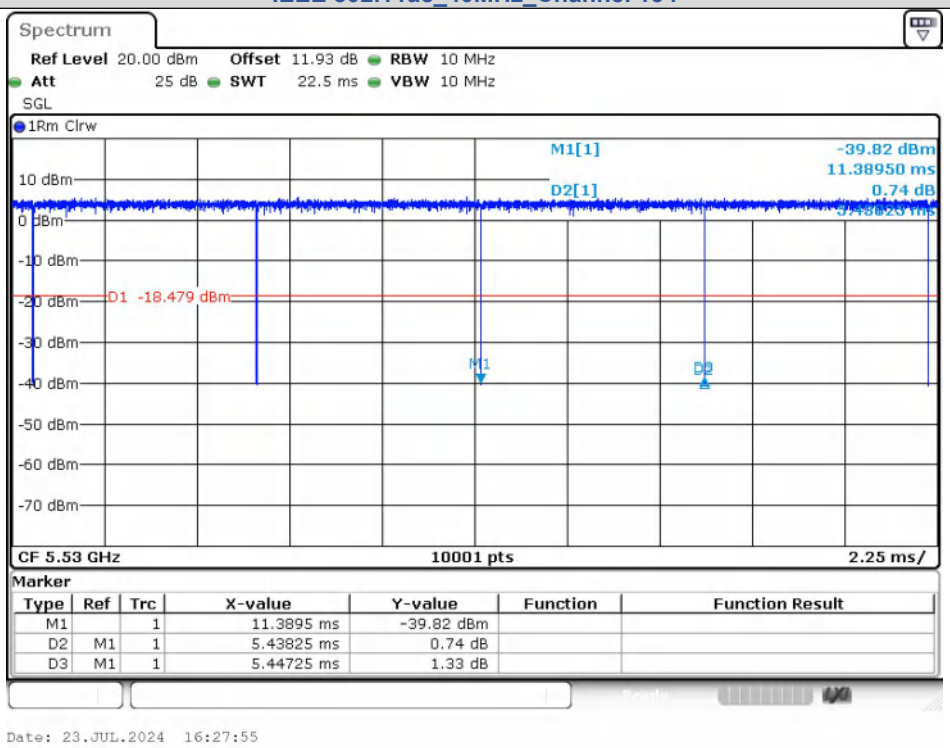
IEEE 802.11ac_20MHz_Channel 140



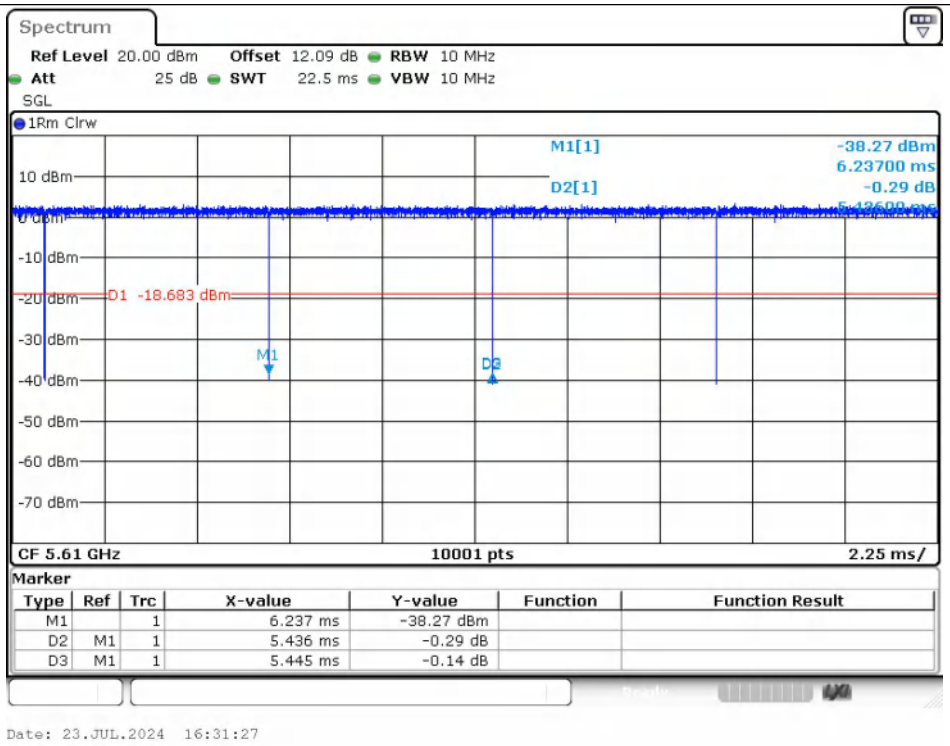
IEEE 802.11ac_40MHz_Channel 110



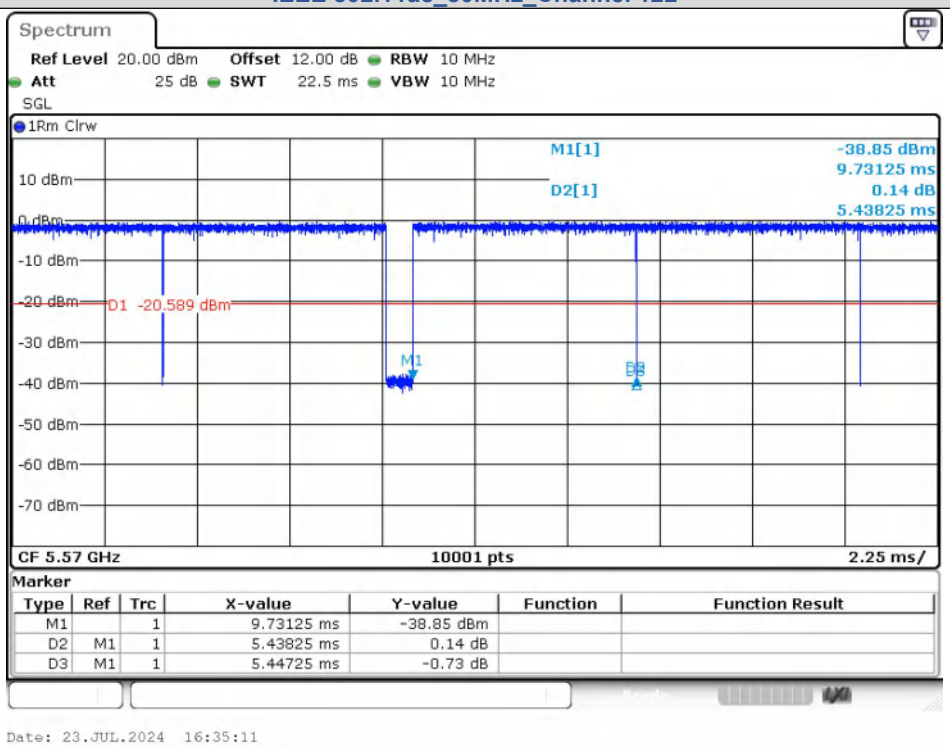
IEEE 802.11ac_40MHz_Channel 134



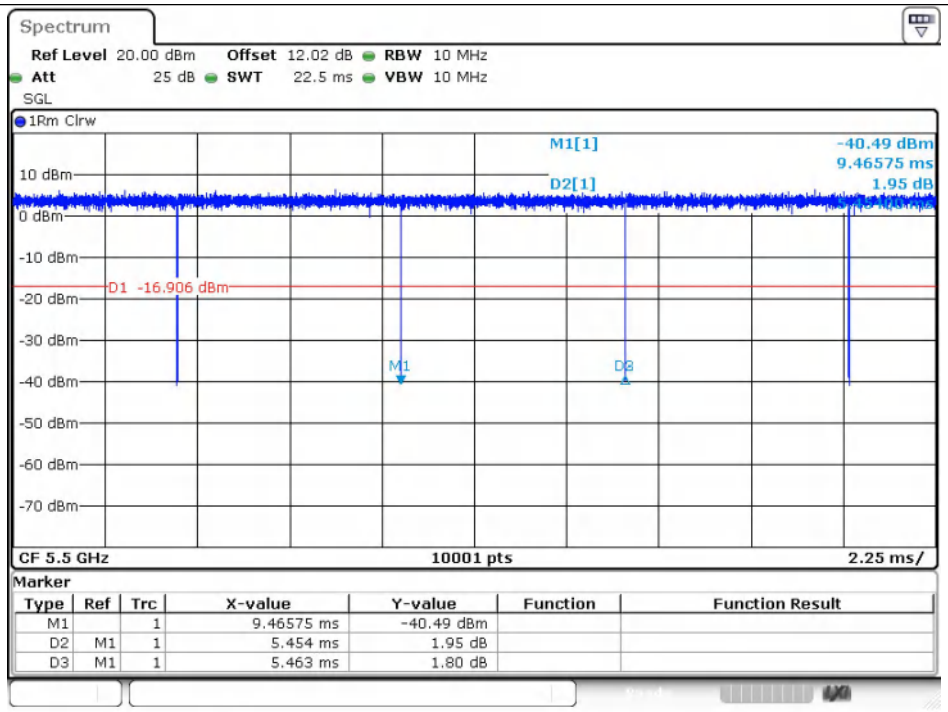
IEEE 802.11ac_80MHz_Channel 106



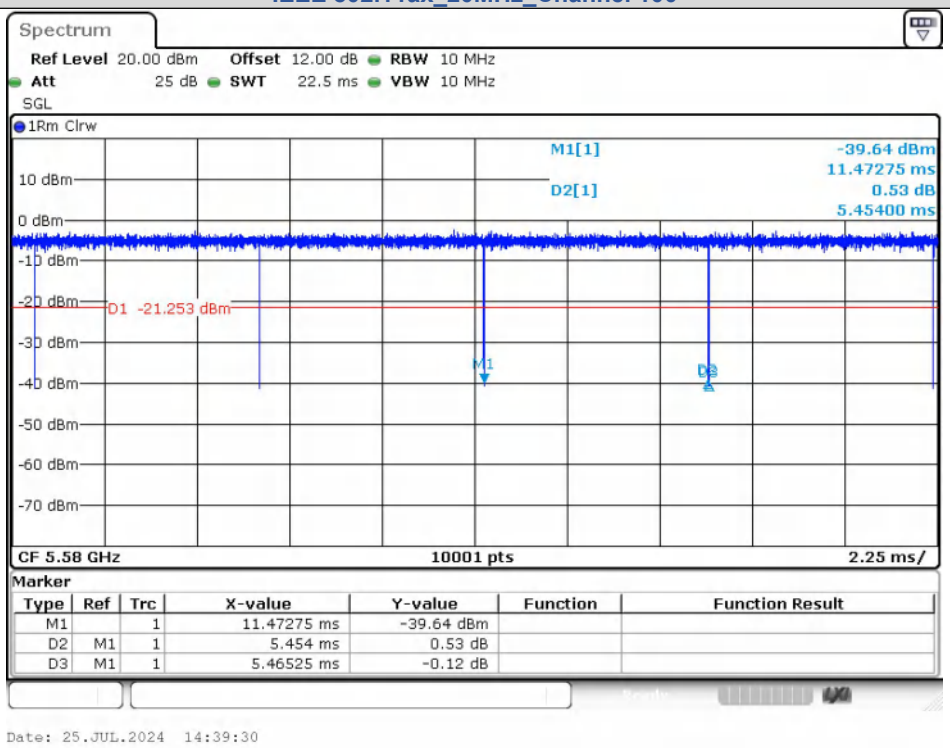
IEEE 802.11ac_80MHz_Channel 122



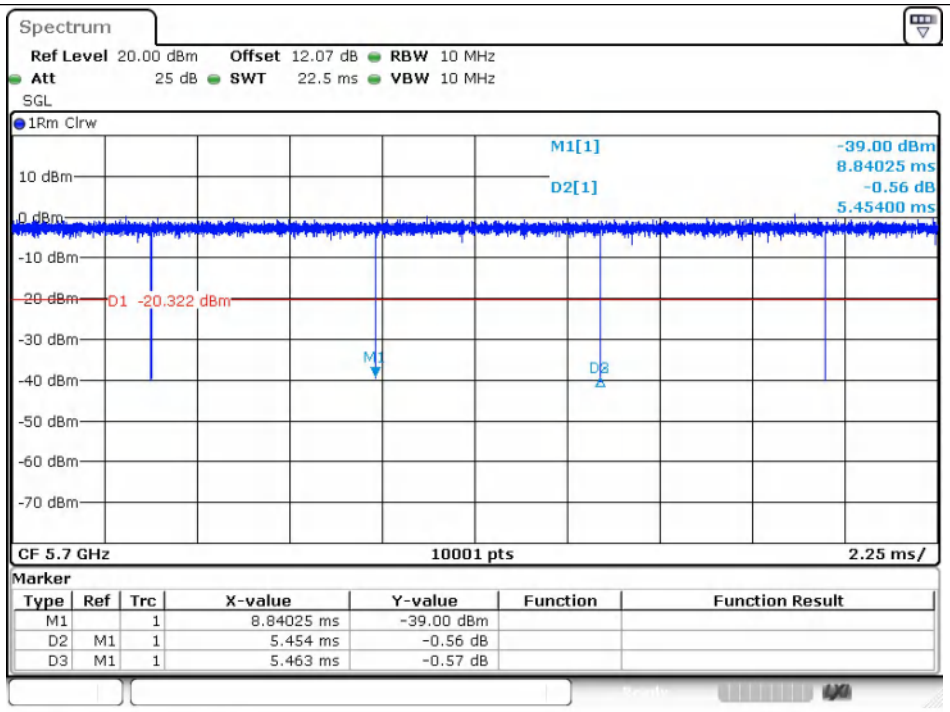
IEEE 802.11ac_160MHz_Channel 114



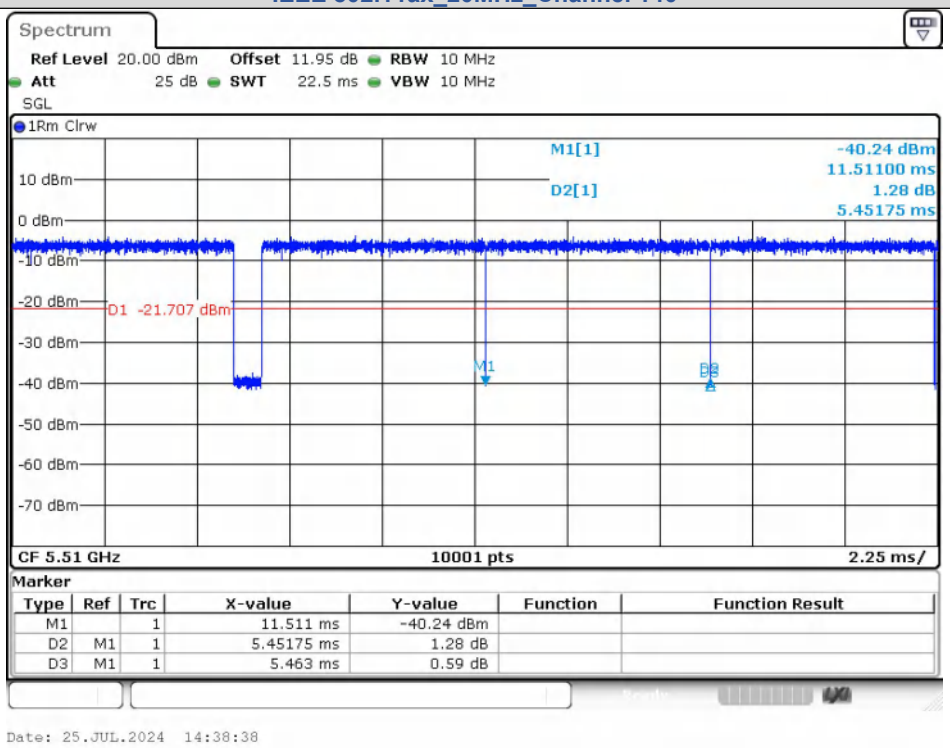
IEEE 802.11ax_20MHz_Channel 100



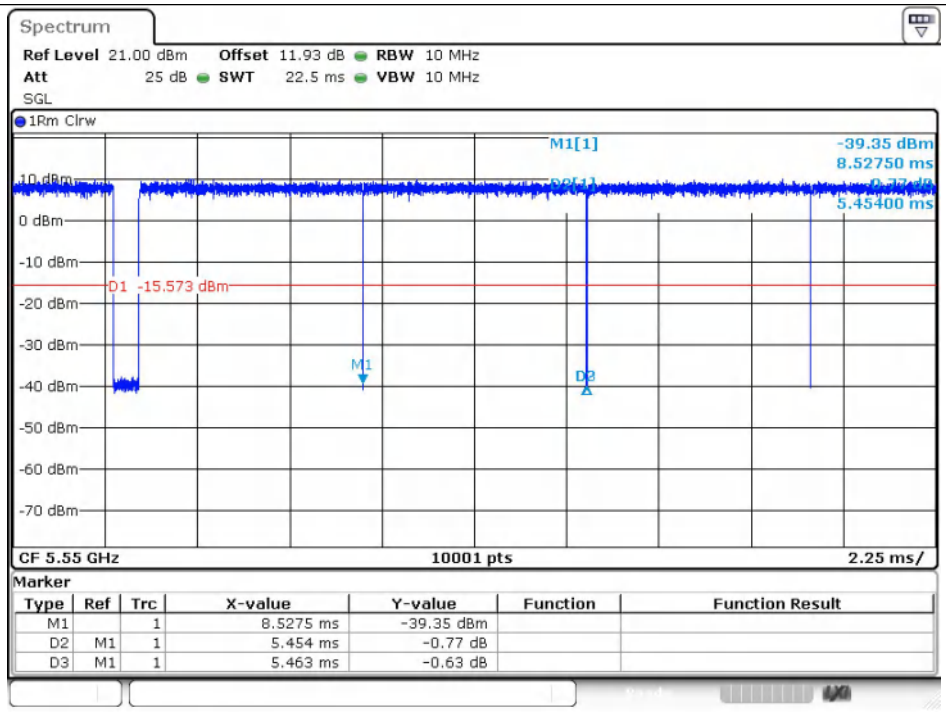
IEEE 802.11ax_20MHz_Channel 116



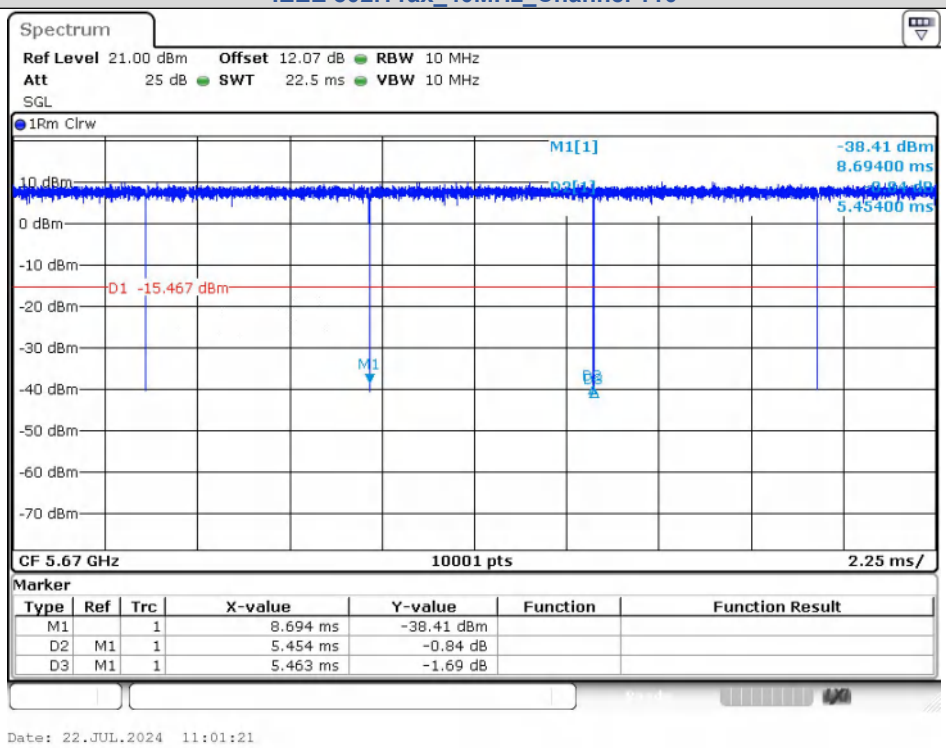
IEEE 802.11ax_20MHz_Channel 140



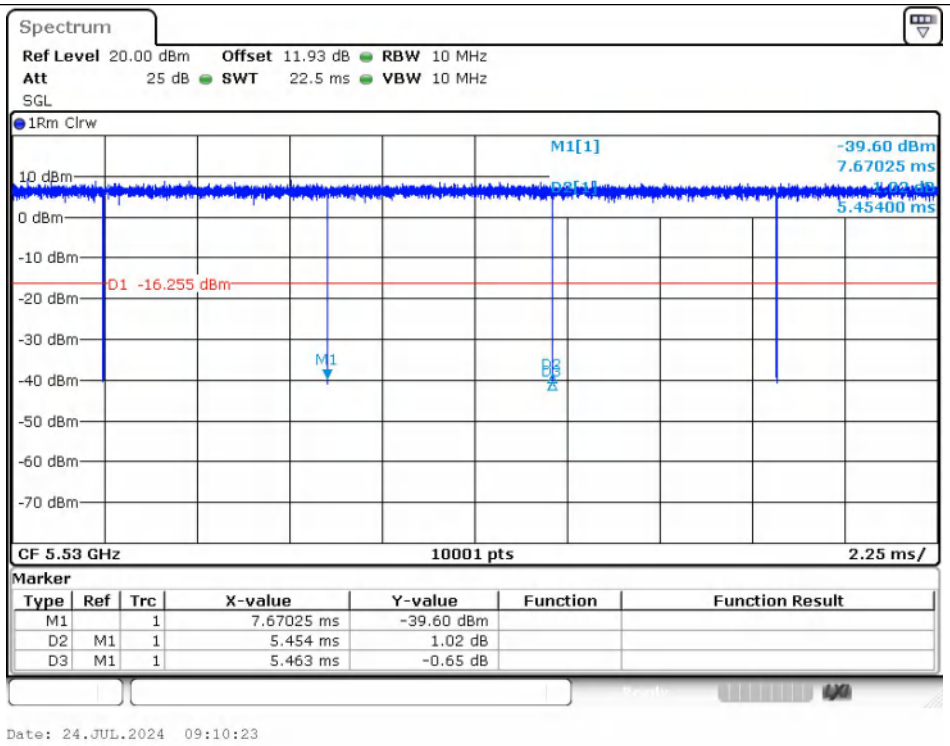
IEEE 802.11ax_40MHz_Channel 102



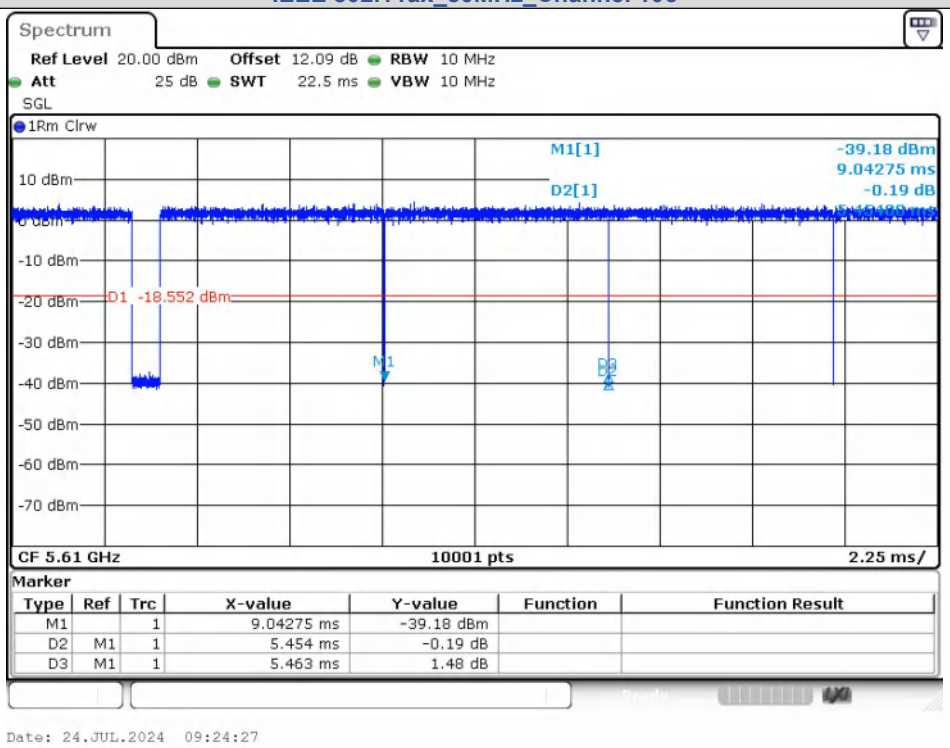
IEEE 802.11ax_40MHz_Channel 110



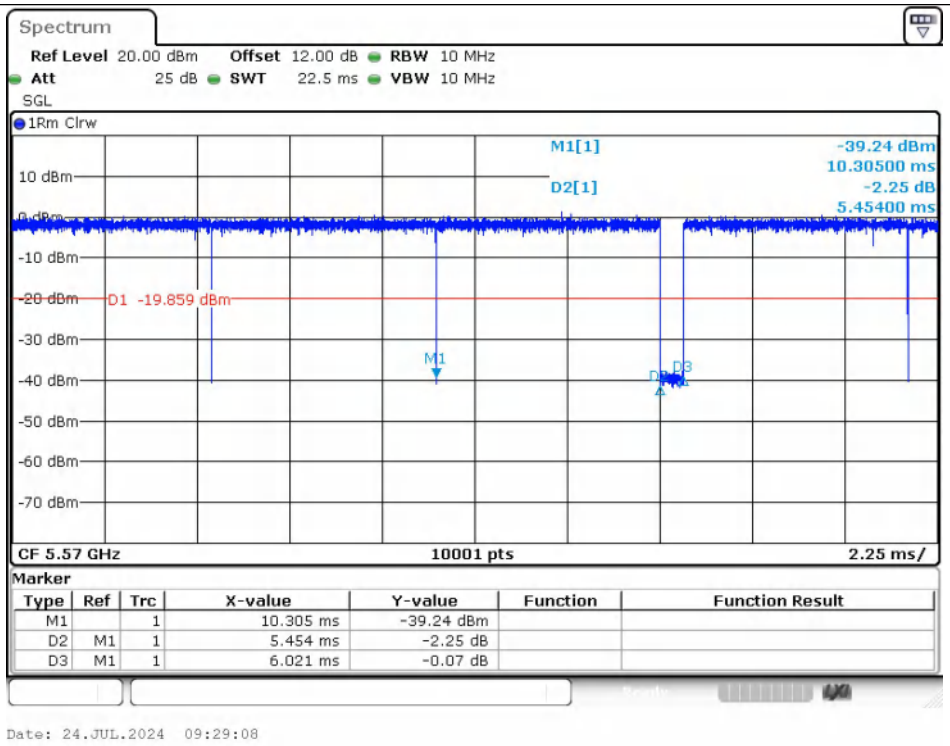
IEEE 802.11ax_40MHz_Channel 134



IEEE 802.11ax_80MHz_Channel 106



IEEE 802.11ax_80MHz_Channel 122



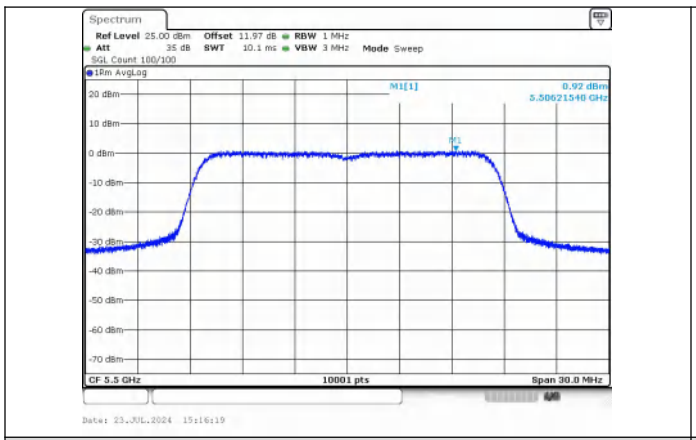
IEEE 802.11ax_160MHz_Channel 114

Power Spectral Density

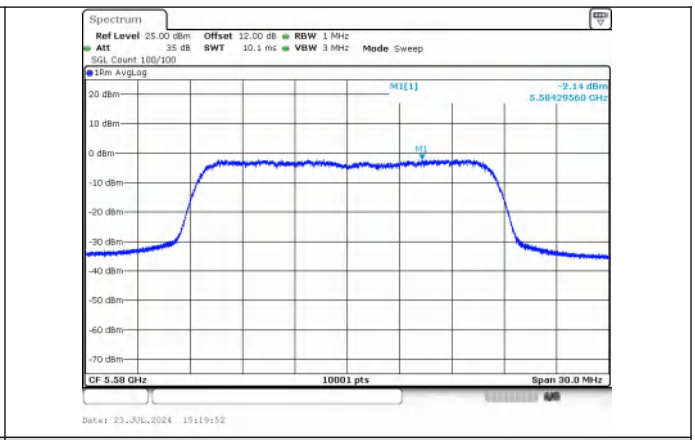
Test Result

Mode	Channel	RU & Index	Ant. 0 Meas PSD (dBm/MHz or dBm/0.5MHz)	Limit (dBm/MHz or dBm/0.5MHz)	Result
IEEE 802.11a	100	N/A	0.92	11	PASS
	116		-2.14		PASS
	140		0.78		PASS
IEEE 802.11n_20	100		0.68		PASS
	116		-2.31		PASS
	140		0.45		PASS
IEEE 802.11n_40	110		-3.44		PASS
	134		-3.33		PASS
IEEE 802.11ac_20	100		0.49		PASS
	116		-2.31		PASS
	140		0.77		PASS
IEEE 802.11ac_40	110		-2.84		PASS
	134		-3.01		PASS
IEEE 802.11ac_80	106		-4.77		PASS
	122		-6.57		PASS
IEEE 802.11ac_160	114		-8.70		PASS
IEEE 802.11ax_20	100	SU	-6.15		PASS
	116		-2.02		PASS
	140		0.79		PASS
IEEE 802.11ax_40	102		0.09		PASS
	110		-2.37		PASS
	134		-2.43		PASS
IEEE 802.11ax_80	106		-2.52		PASS
	122		-7.09		PASS
IEEE 802.11ax_160	114		-9.94		PASS

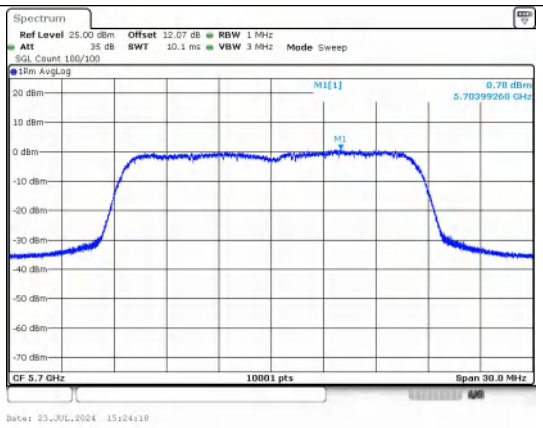
Test Graphs



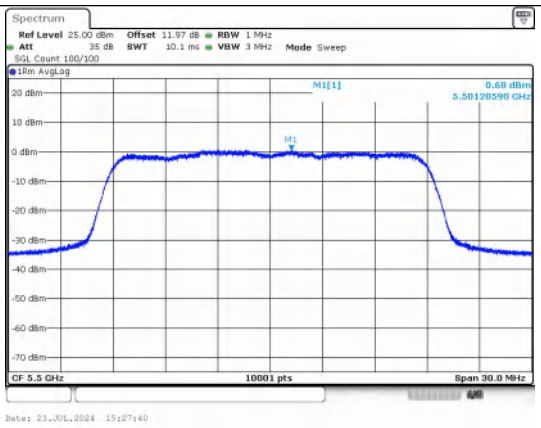
IEEE 802.11a_Channel 100_20MHz_Antenna 0



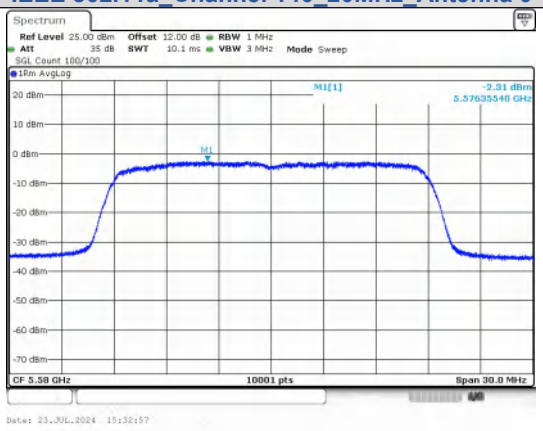
IEEE 802.11a_Channel 116_20MHz_Antenna 0



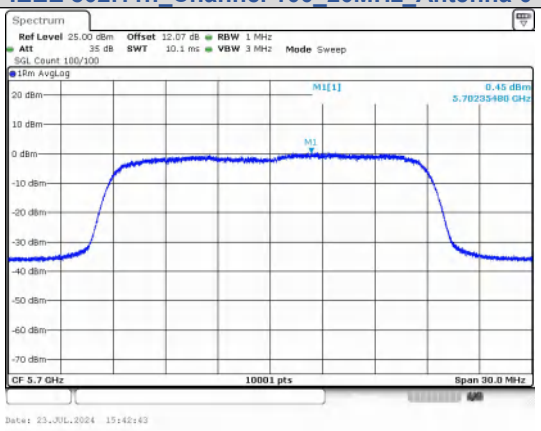
IEEE 802.11a_Channel 140_20MHz_Antenna 0



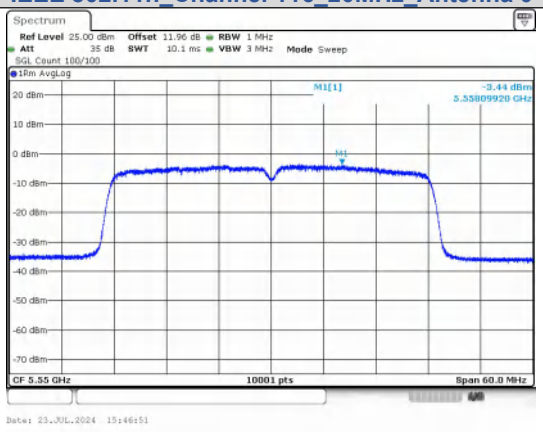
IEEE 802.11n_Channel 100_20MHz_Antenna 0



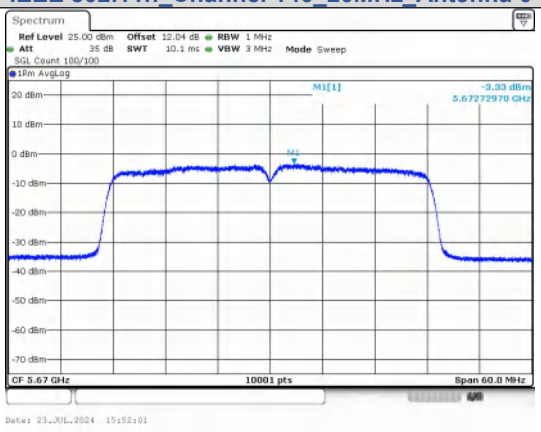
IEEE 802.11n_Channel 116_20MHz_Antenna 0



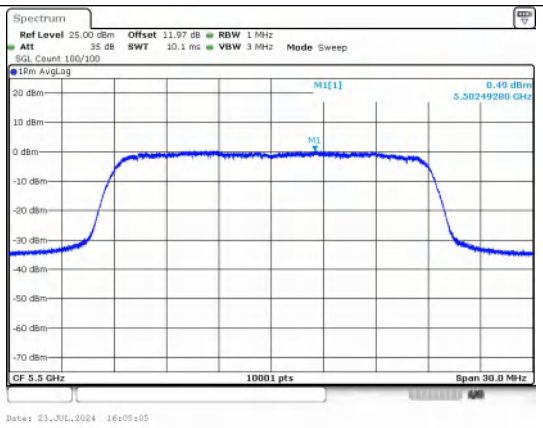
IEEE 802.11n_Channel 140_20MHz_Antenna 0



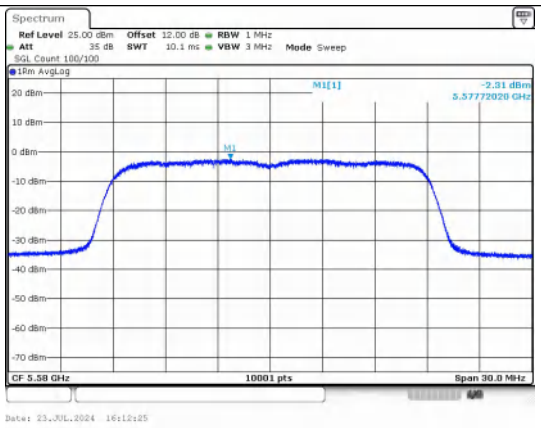
IEEE 802.11n_Channel 110_40MHz_Antenna 0



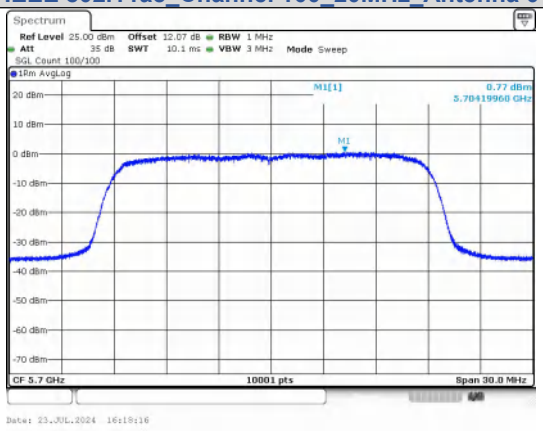
IEEE 802.11n_Channel 134_40MHz_Antenna 0



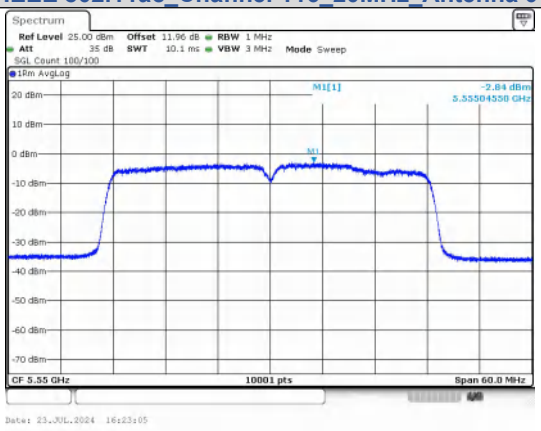
IEEE 802.11ac_Channel 100_20MHz_Antenna 0



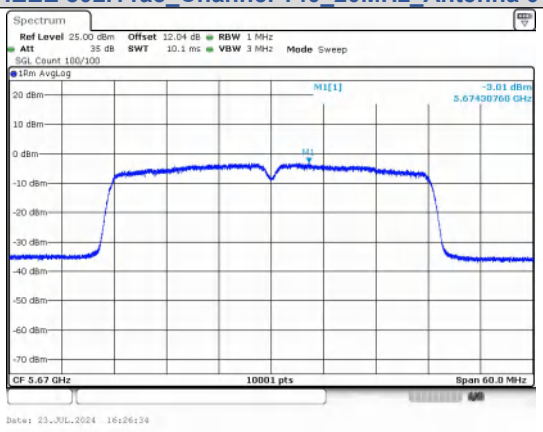
IEEE 802.11ac_Channel 116_20MHz_Antenna 0



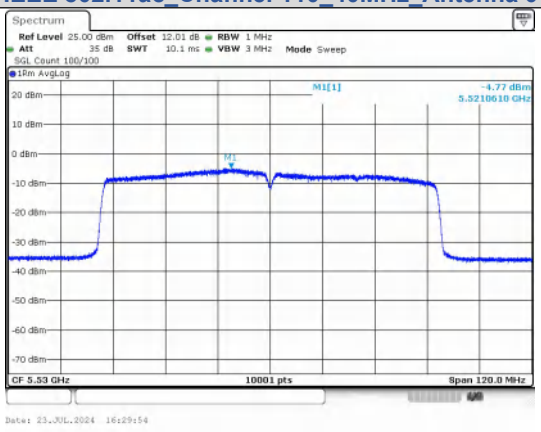
IEEE 802.11ac_Channel 140_20MHz_Antenna 0



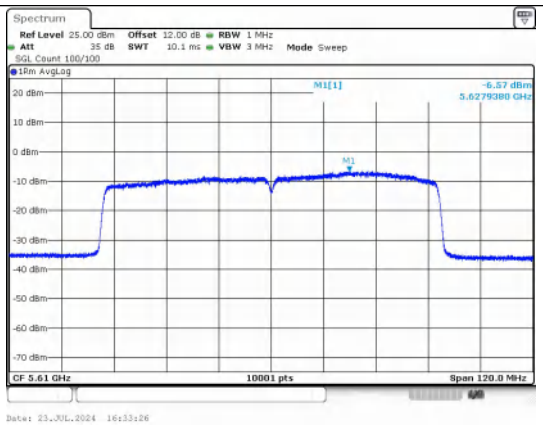
IEEE 802.11ac_Channel 110_40MHz_Antenna 0



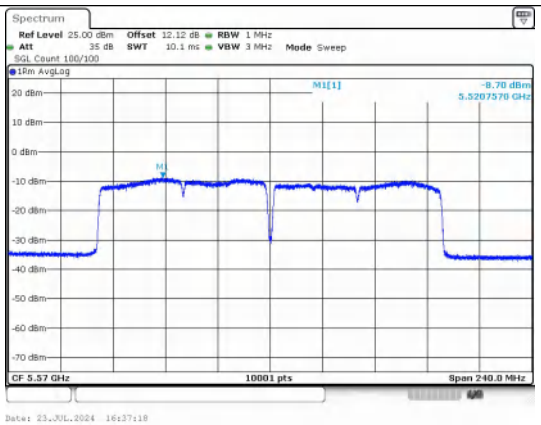
IEEE 802.11ac_Channel 134_40MHz_Antenna 0



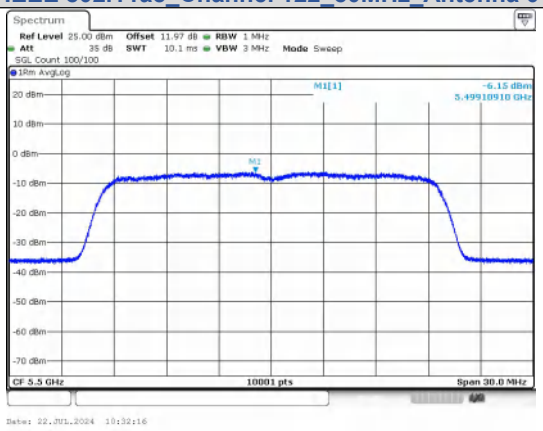
IEEE 802.11ac_Channel 106_80MHz_Antenna 0



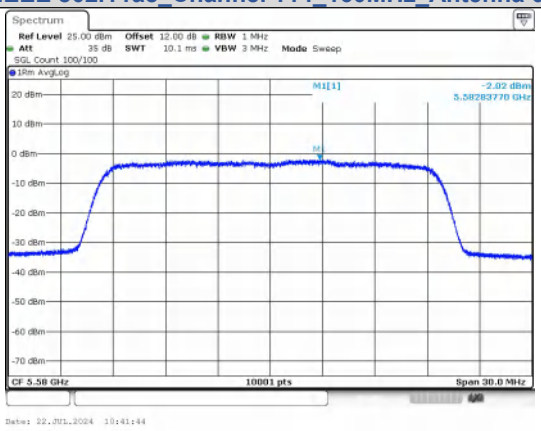
IEEE 802.11ac_Channel 122_80MHz_Antenna 0



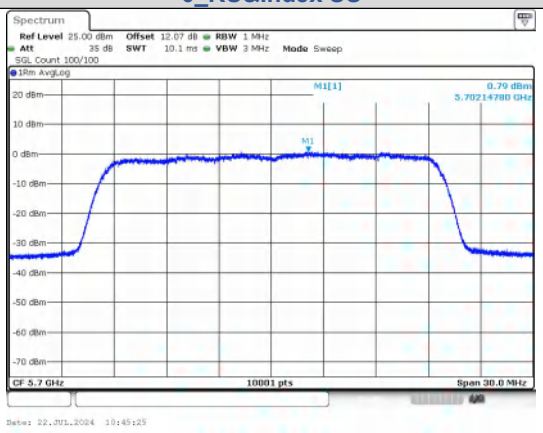
IEEE 802.11ac_Channel 114_160MHz_Antenna 0



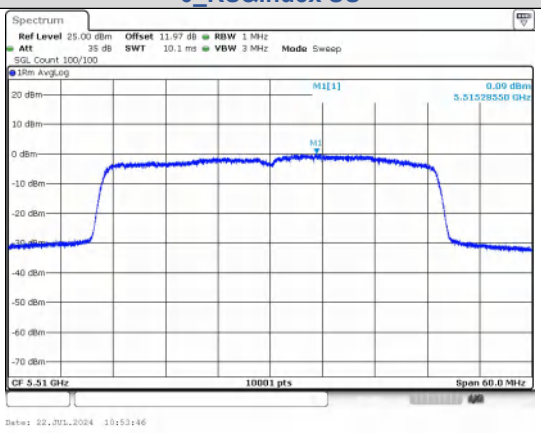
IEEE 802.11ax_Channel 100_20MHz_Antenna 0_RU&Index SU



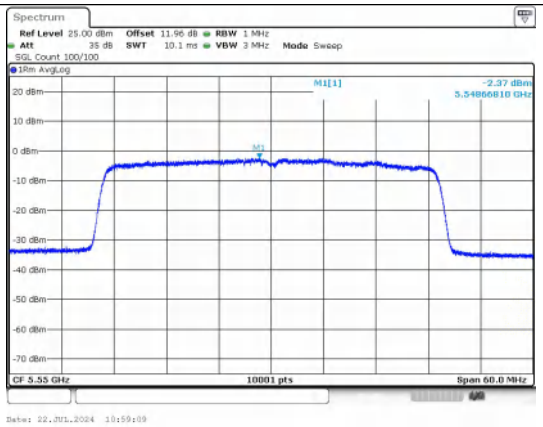
IEEE 802.11ax_Channel 116_20MHz_Antenna 0_RU&Index SU



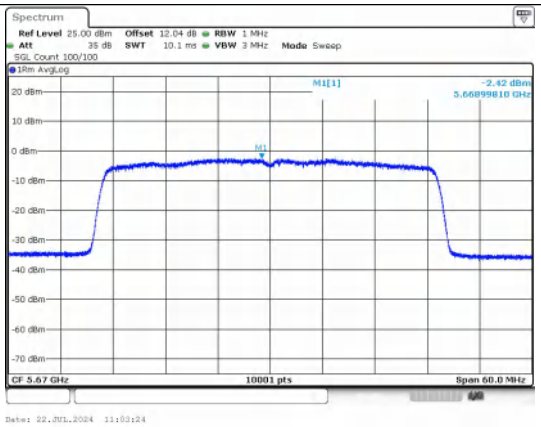
IEEE 802.11ax_Channel 140_20MHz_Antenna 0_RU&Index SU



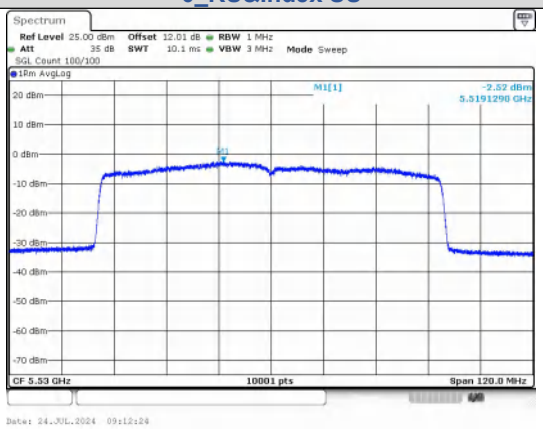
IEEE 802.11ax_Channel 102_40MHz_Antenna 0_RU&Index SU



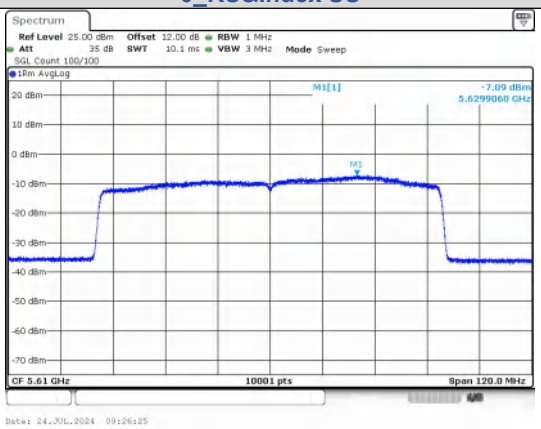
IEEE 802.11ax_Channel 110_40MHz_Antenna 0_RU&Index SU



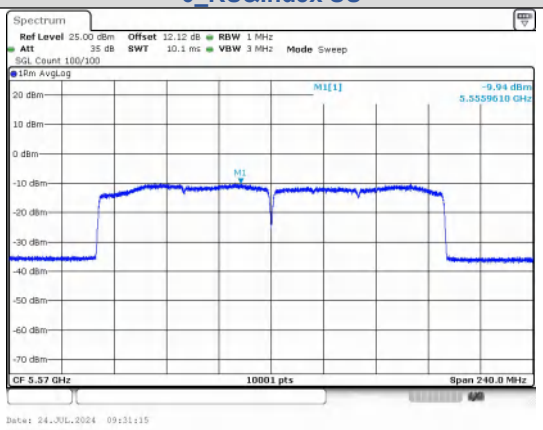
IEEE 802.11ax_Channel 134_40MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 106_80MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 122_80MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 114_160MHz_Antenna 0_RU&Index SU