Appendix Report B

Report No.:	CISRR25011311004
Test Engineer:	Mark Fu
Supervised by:	Rory Huang

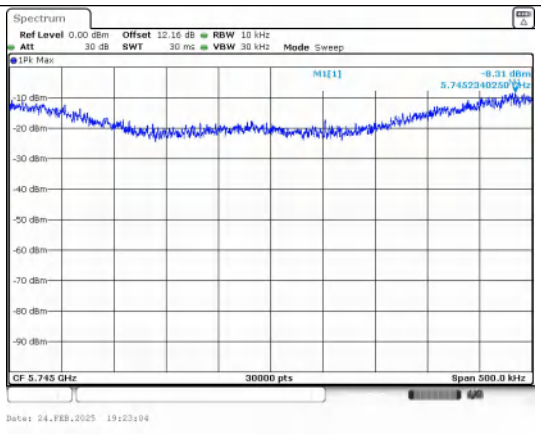
Test Result

Condition	Mode	Ch.	RU & Index	Antenna	Center Frequency (MHz)	Calculated Value of Center Frequency(MHz)	Result (ppm)	Limit (ppm)	State
NT/NV	IEEE 802.11a	149	N/A	0	5745.0	5745.234025	40.74	Within authorized band	PASS
		157			5785.0	5785.229542	39.68		PASS
		165			5825.0	5825.226692	38.92		PASS
	IEEE 802.11n_20	149			5745.0	5745.217658	37.89		PASS
		157			5785.0	5785.220492	38.11		PASS
		165			5825.0	5825.249675	42.86		PASS
	IEEE 802.11n_40	151			5755.0	5755.245375	42.64		PASS
		159			5795.0	5794.981992	-3.11		PASS
	IEEE 802.11ac_20	149			5745.0	5745.242175	42.15		PASS
		157			5785.0	5785.241125	41.68		PASS
		165			5825.0	5824.973225	-4.6		PASS
	IEEE 802.11ac_40	151			5755.0	5754.974008	-4.52		PASS
		159			5795.0	5794.973475	-4.58		PASS
	IEEE 802.11ac_80	155			5775.0	5774.979908	-3.48		PASS
	IEEE 802.11ax_20	149	SU		5745.0	5744.808625	-33.31		PASS
		157			5785.0	5784.810325	-32.79		PASS
		165			5825.0	5825.211775	36.36		PASS
	IEEE 802.11ax_40	151			5755.0	5755.233375	40.55		PASS
		159			5795.0	5795.202808	35.0		PASS
	IEEE 802.11ax_80	155			5775.0	5774.756242	-42.21		PASS

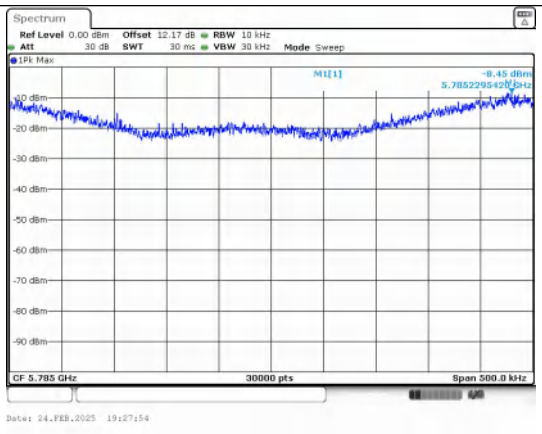
Test Graphs

NT/NV

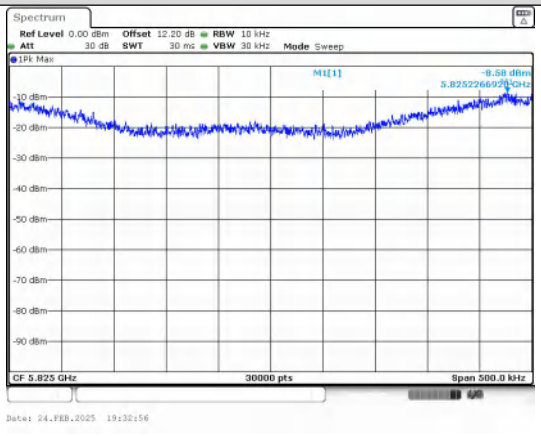
IEEE 802.11a



NT/NV_Antenna 0
IEEE 802.11a_Channel 149_20MHz

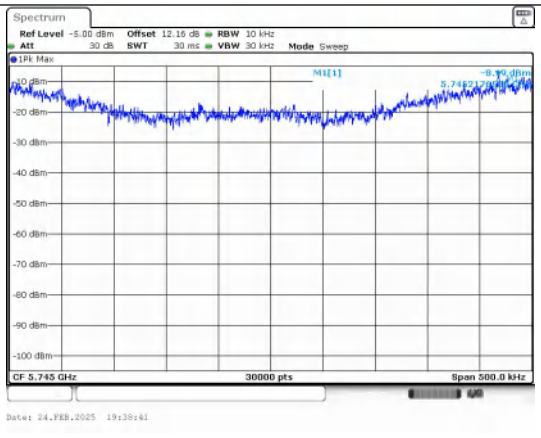


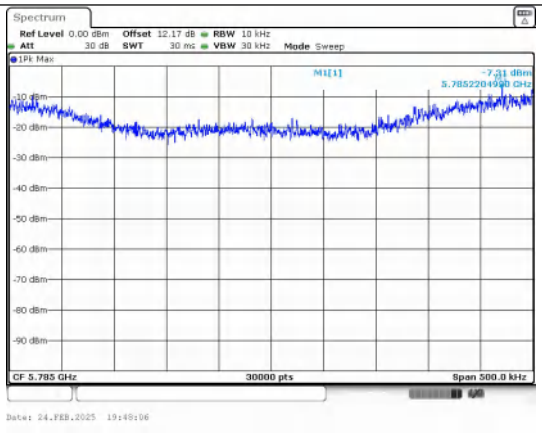
NT/NV_Antenna 0
IEEE 802.11a_Channel 157_20MHz

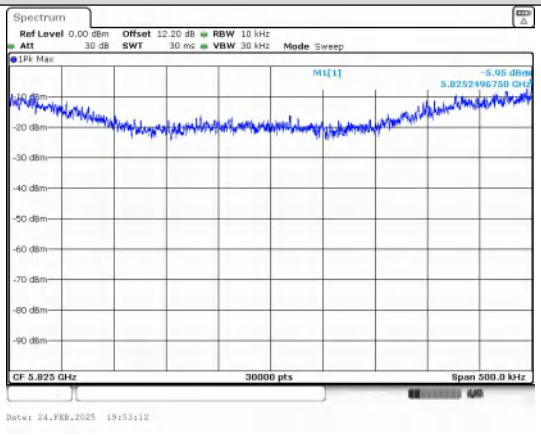


NT/NV_Antenna 0
IEEE 802.11a_Channel 165_20MHz

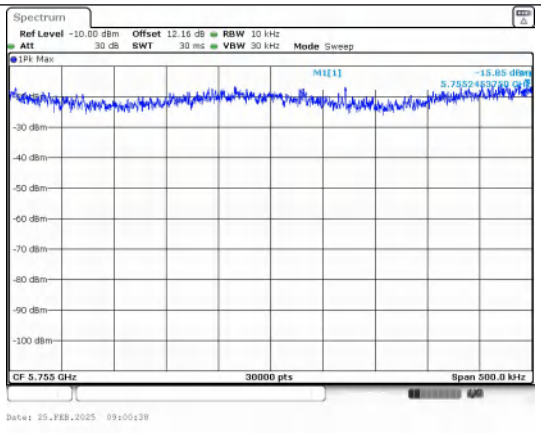
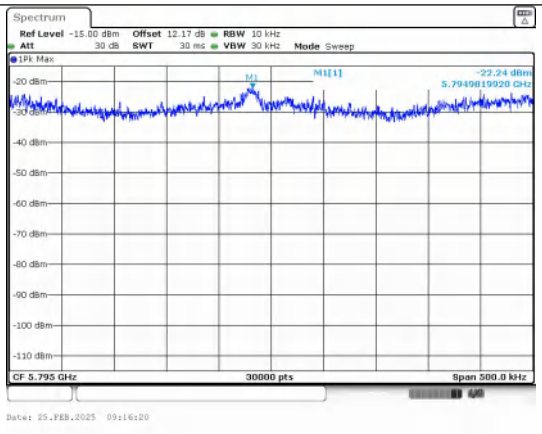
IEEE 802.11n_20



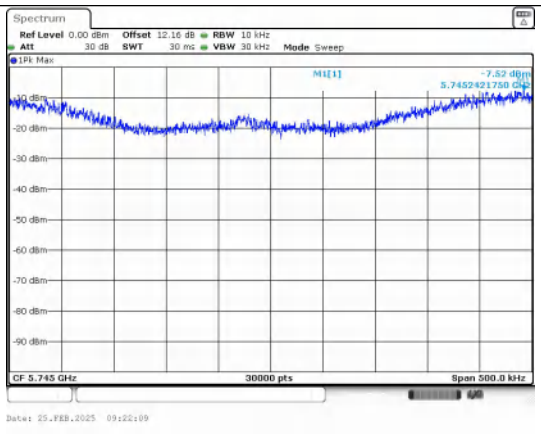


NT/NV_Antenna 0 IEEE 802.11n_Channel 149_20MHz	NT/NV_Antenna 0 IEEE 802.11n_Channel 157_20MHz
	
NT/NV_Antenna 0 IEEE 802.11n_Channel 165_20MHz	

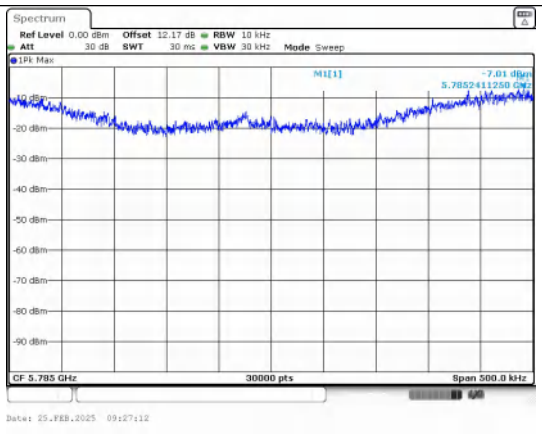
IEEE 802.11n_40

	
NT/NV_Antenna 0 IEEE 802.11n_Channel 151_40MHz	NT/NV_Antenna 0 IEEE 802.11n_Channel 159_40MHz

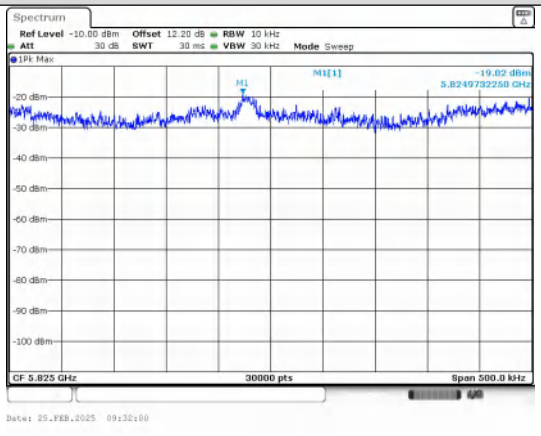
IEEE 802.11ac_20



NT/NV_Antenna 0
IEEE 802.11ac_Channel 149_20MHz

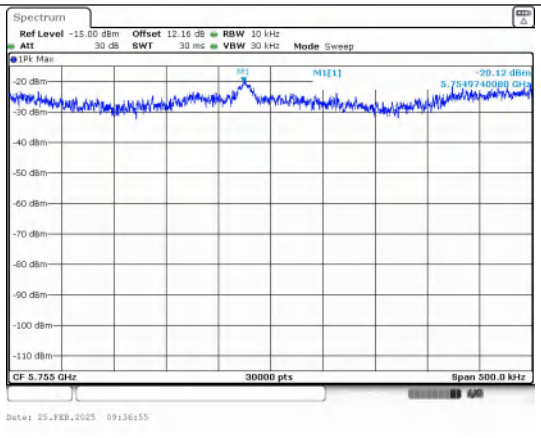


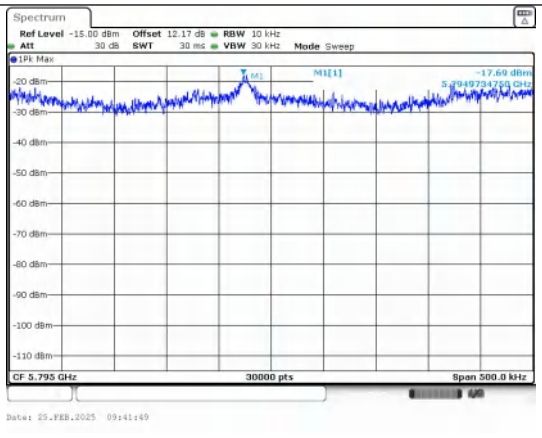
NT/NV_Antenna 0
IEEE 802.11ac_Channel 157_20MHz



NT/NV_Antenna 0
IEEE 802.11ac_Channel 165_20MHz

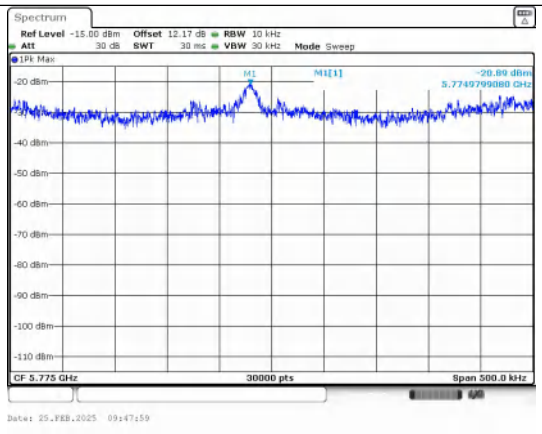
IEEE 802.11ac_40





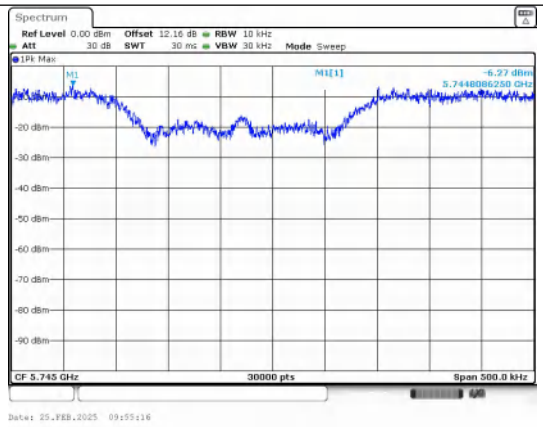
NT/NV_Antenna 0 IEEE 802.11ac_Channel 151_40MHz	NT/NV_Antenna 0 IEEE 802.11ac_Channel 159_40MHz

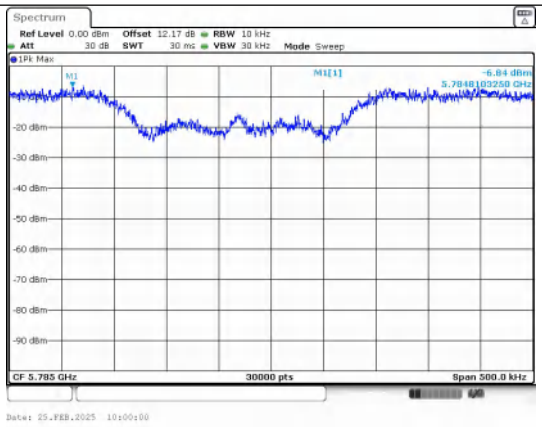
IEEE 802.11ac_80



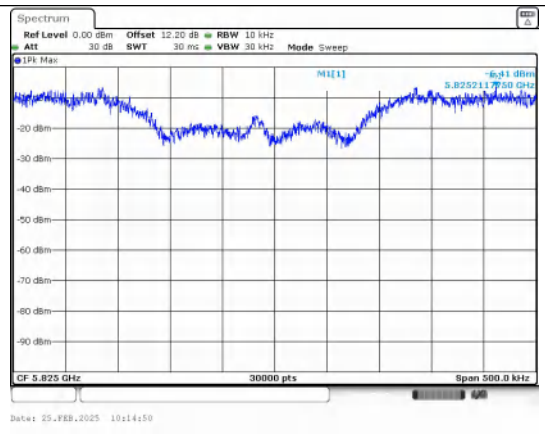
NT/NV_Antenna 0 IEEE 802.11ac_Channel 155_80MHz

IEEE 802.11ax_20



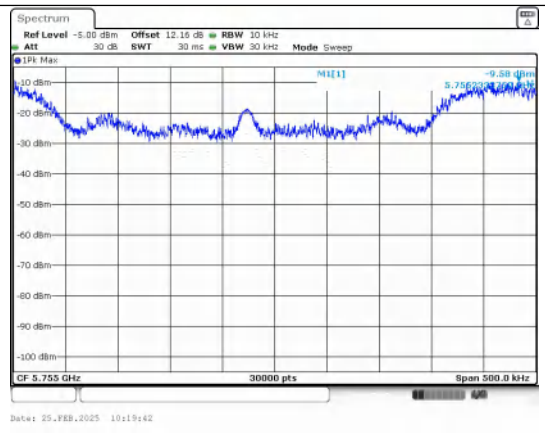


NT/NV_Antenna 0 IEEE 802.11ax_Channel 149_20MHz	NT/NV_Antenna 0 IEEE 802.11ax_Channel 157_20MHz

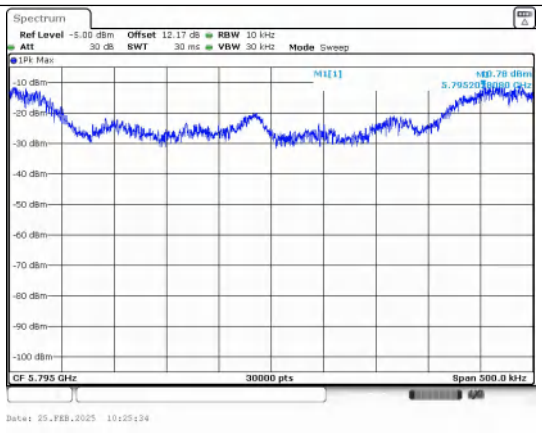


NT/NV_Antenna 0
IEEE 802.11ax_Channel 165_20MHz

IEEE 802.11ax_40

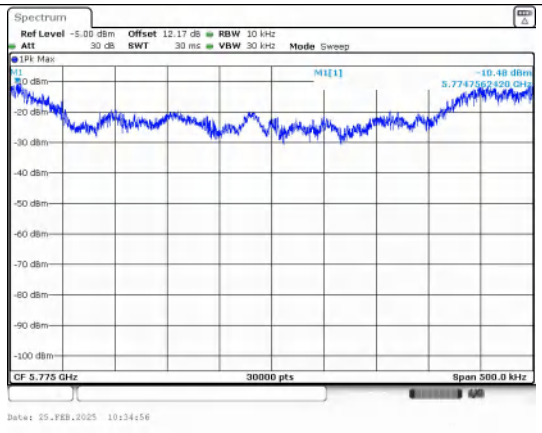


NT/NV_Antenna 0
IEEE 802.11ax_Channel 151_40MHz



NT/NV_Antenna 0
IEEE 802.11ax_Channel 159_40MHz

IEEE 802.11ax_80



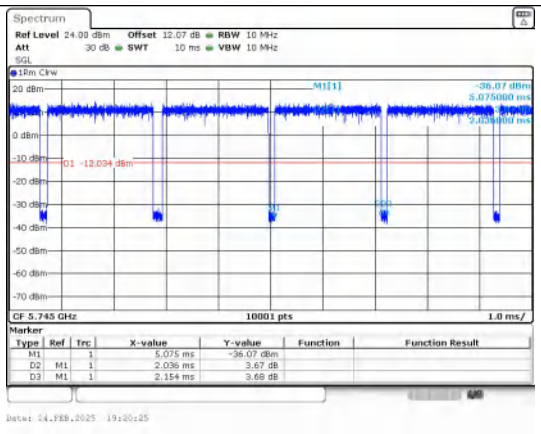
NT/NV_Antenna 0
IEEE 802.11ax_Channel 155_80MHz

Duty Cycle

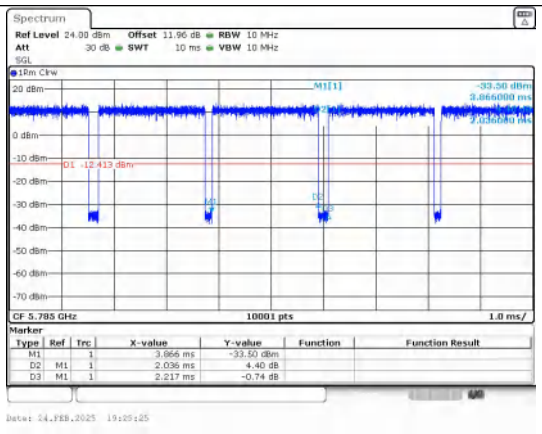
Test Result

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	149	N/A	1	2.036	2.154	94.52	0.9452	0.2448	0.4912
		157			2.036	2.217	91.84	0.9184	0.3697	0.4912
		165			2.036	2.172	93.74	0.9374	0.2808	0.4912
IEEE 802.11n_20	MCS 0	149			0.225	0.345	65.10	0.6510	1.8642	4.4444
		157			0.225	0.382	59.08	0.5908	2.2856	4.4444
		165			0.225	0.381	58.96	0.5896	2.2944	4.4444
IEEE 802.11n_40		151			0.526	0.659	79.77	0.7977	0.9816	1.9011
		159			0.526	0.686	76.67	0.7667	1.1537	1.9011
IEEE 802.11ac_20		149			0.880	0.998	88.18	0.8818	0.5463	1.1364
		157			0.880	1.079	81.58	0.8158	0.8842	1.1364
		165			0.409	0.591	69.19	0.6919	1.5996	2.4450
IEEE 802.11ac_40		151			0.410	0.525	78.07	0.7807	1.0752	2.4390
		159			0.409	0.525	78.03	0.7804	1.0768	2.4450
IEEE 802.11ac_80		155			0.213	0.391	54.42	0.5442	2.6424	4.6948
IEEE 802.11ax_20		149	SU		0.520	0.635	81.81	0.8181	0.8719	1.9231
		157			0.520	0.639	81.29	0.8129	0.8996	1.9231
		165			0.143	0.264	54.31	0.5431	2.6512	6.9930
IEEE 802.11ax_40		151			0.291	0.461	63.15	0.6315	1.9963	3.4364
		159			0.102	0.321	31.85	0.3185	4.9689	9.8039
IEEE 802.11ax_80		155			0.079	0.249	31.80	0.3180	4.9757	12.6582

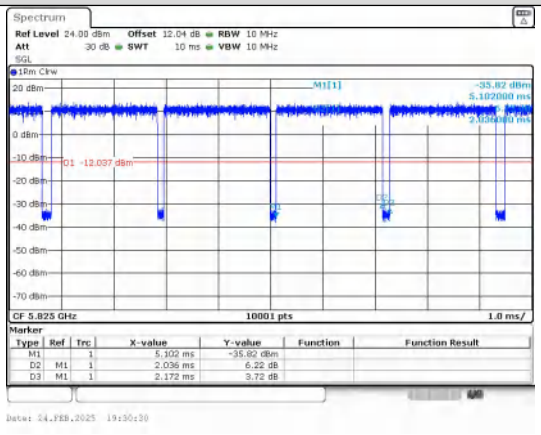
Test Graphs



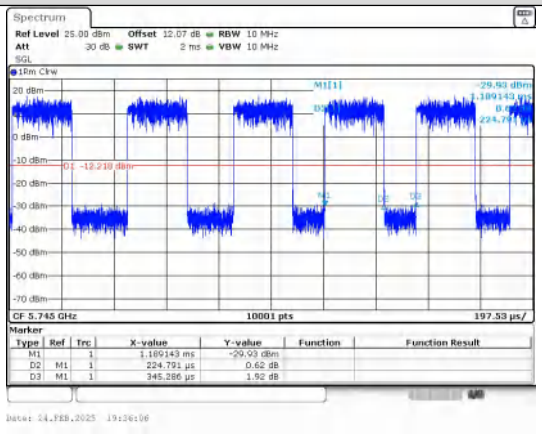
IEEE 802.11a_20MHz_Channel 149



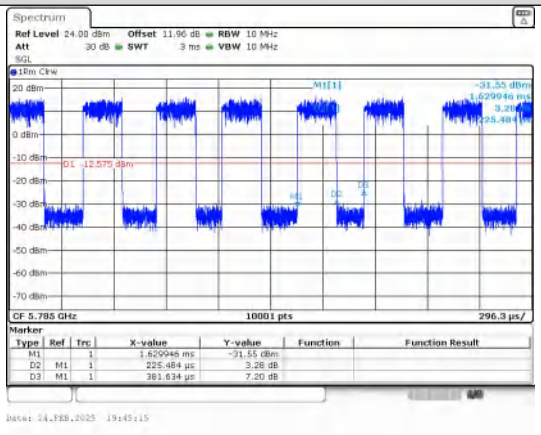
IEEE 802.11a_20MHz_Channel 157



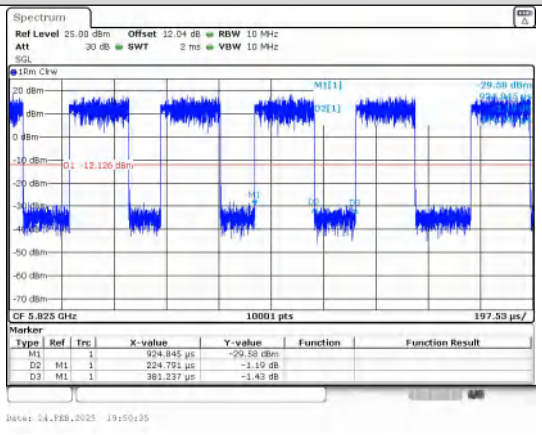
IEEE 802.11a_20MHz_Channel 165



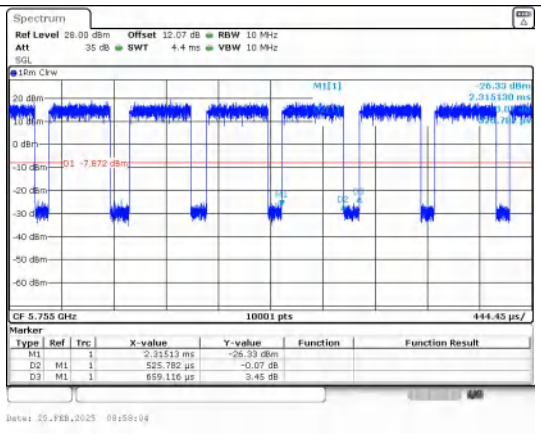
IEEE 802.11n_20MHz_Channel 149



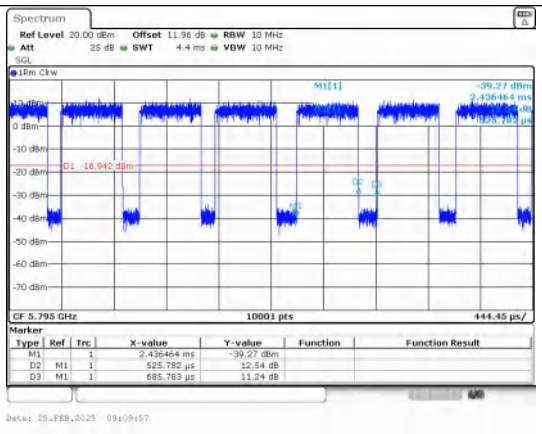
IEEE 802.11n_20MHz_Channel 157



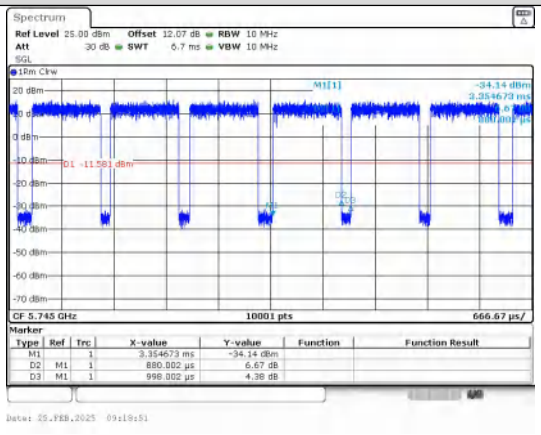
IEEE 802.11n_20MHz_Channel 165



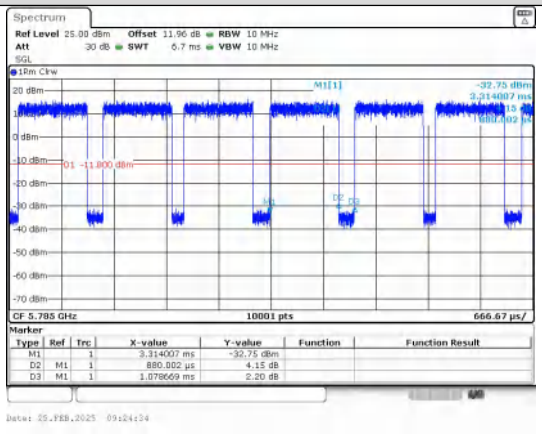
IEEE 802.11n_40MHz_Channel 151



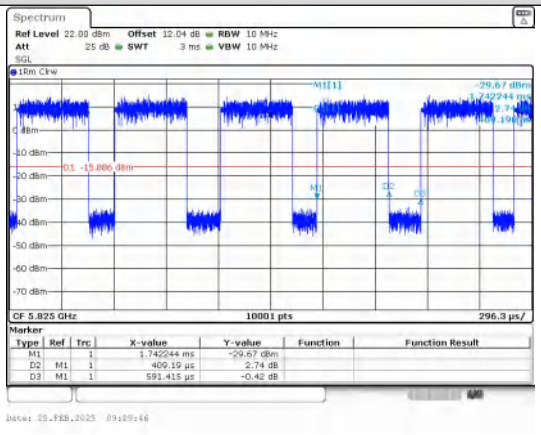
IEEE 802.11n_40MHz_Channel 159



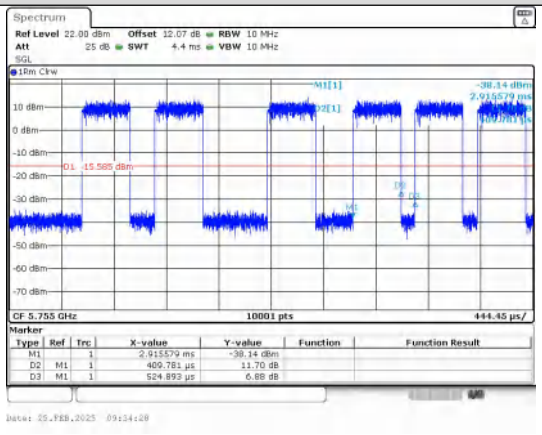
IEEE 802.11ac_20MHz_Channel 149



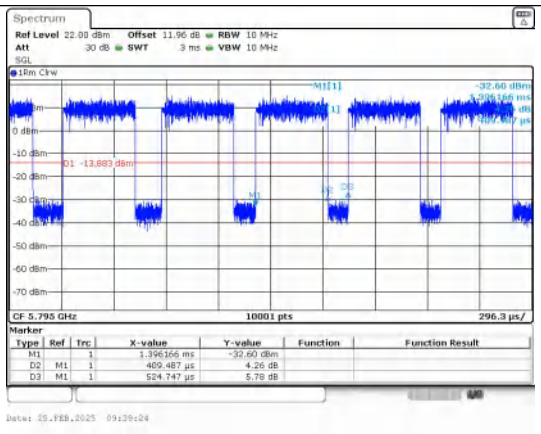
IEEE 802.11ac_20MHz_Channel 157



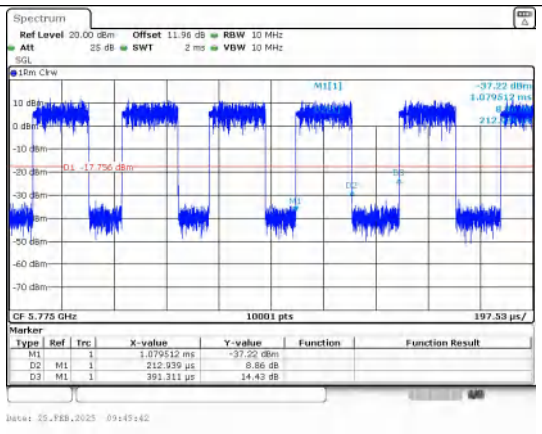
IEEE 802.11ac_20MHz_Channel 165



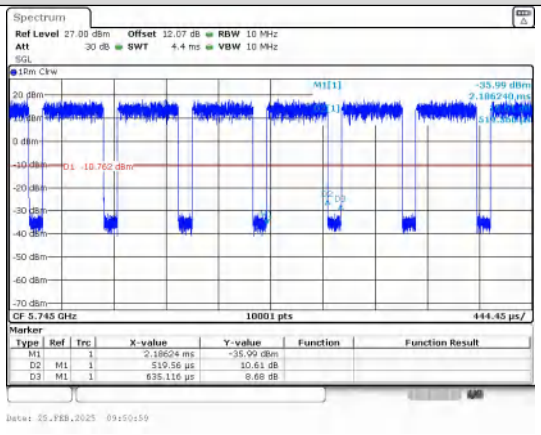
IEEE 802.11ac_40MHz_Channel 151



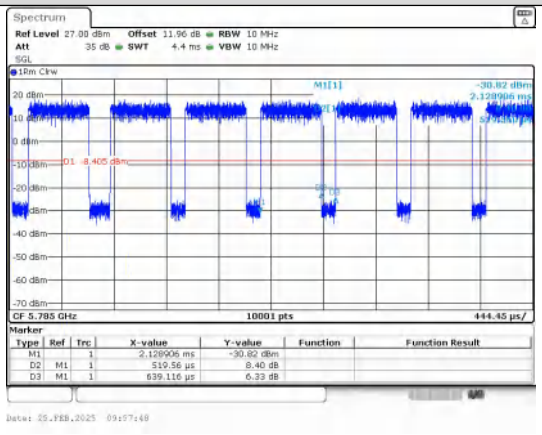
IEEE 802.11ac_40MHz_Channel 159



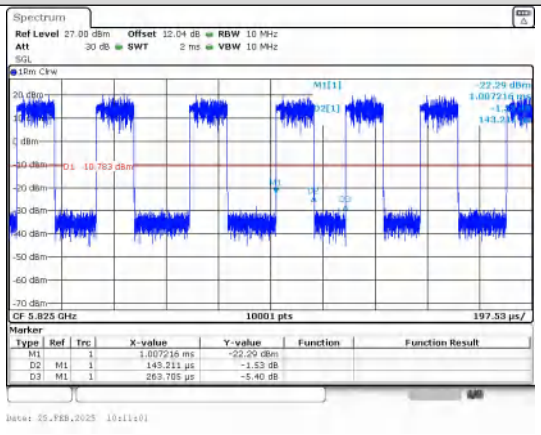
IEEE 802.11ac_80MHz_Channel 155



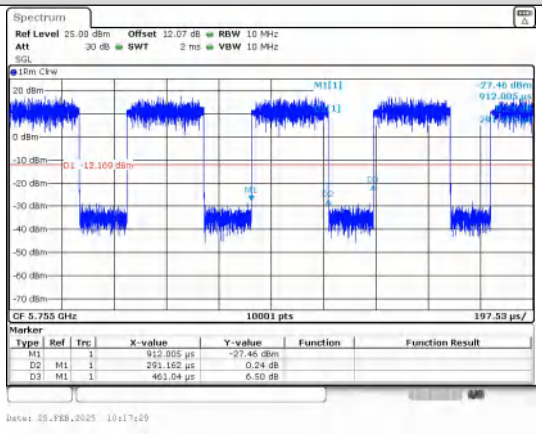
IEEE 802.11ax_20MHz_Channel 149



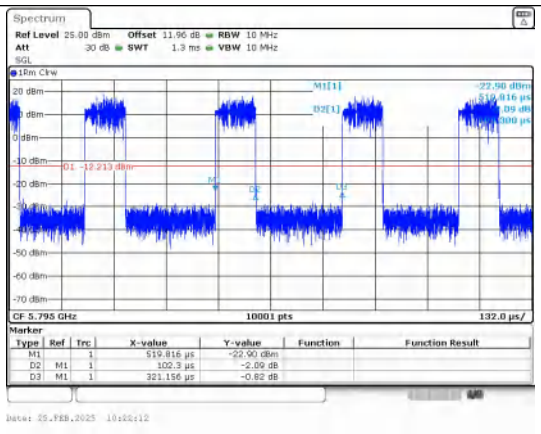
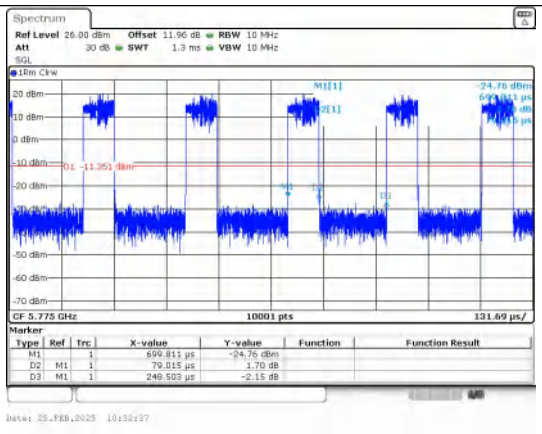
IEEE 802.11ax_20MHz_Channel 157



IEEE 802.11ax_20MHz_Channel 165



IEEE 802.11ax_40MHz_Channel 151

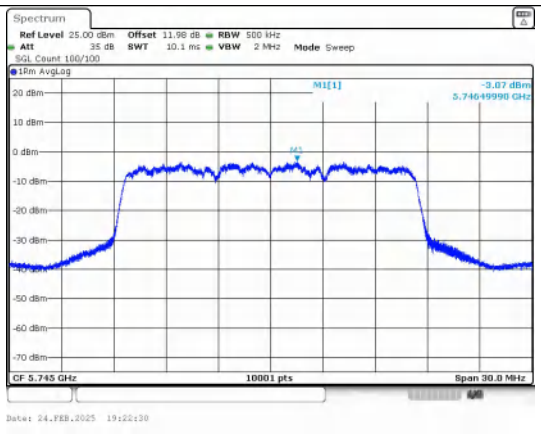
	
IEEE 802.11ax_40MHz_Channel 159	**IEEE 802.11ax_80MHz_Channel 155**

Peak Power Spectral Density

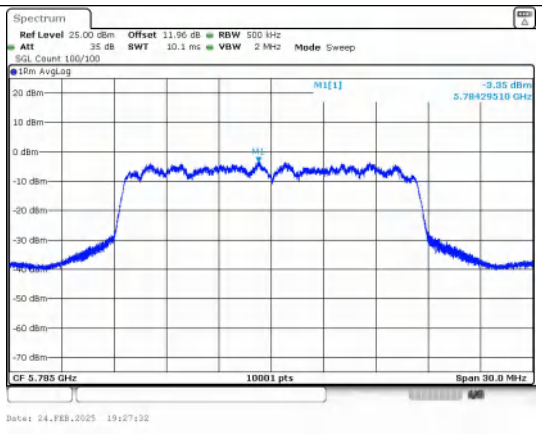
Test Result

Mode	Channel	RU & Index	Ant. 0 Meas PSD (dBm/MHz or dBm/0.5MHz)	Ant. 0 Corr'd PSD (dBm/MHz or dBm/0.5MHz)	Limit (dBm/MHz or dBm/0.5MHz)	Result
IEEE 802.11a	149	N/A	-3.070	-2.789	30	PASS
	157		-3.350	-3.069		PASS
	165		-3.920	-3.639		PASS
IEEE 802.11n_20	149		-14.830	-12.536		PASS
	157		-15.100	-12.806		PASS
	165		-12.530	-10.236		PASS
IEEE 802.11n_40	151		-4.090	-2.936		PASS
	159		-9.620	-8.466		PASS
IEEE 802.11ac_20	149		-4.030	-2.43		PASS
	157		-3.660	-2.06		PASS
	165		-10.270	-8.67		PASS
IEEE 802.11ac_40	151		-9.040	-7.963		PASS
	159		-10.270	-9.193		PASS
IEEE 802.11ac_80	155		-16.230	-13.588		PASS
IEEE 802.11ax_20	149	SU	2.590	5.241		PASS
	157		1.920	4.571		PASS
	165		-5.490	-2.839		PASS
IEEE 802.11ax_40	151		-0.450	4.519		PASS
	159		-8.180	-3.211		PASS
IEEE 802.11ax_80	155		-9.530	-4.554		PASS

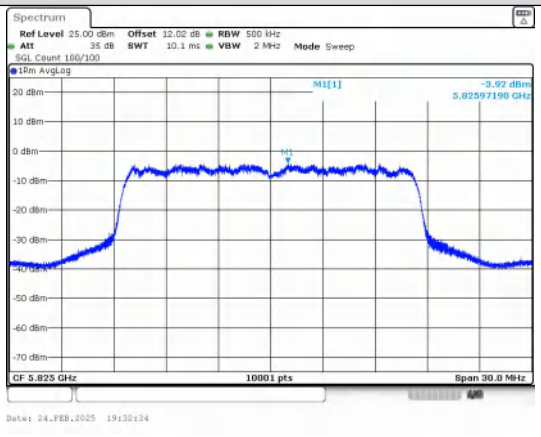
Test Graphs



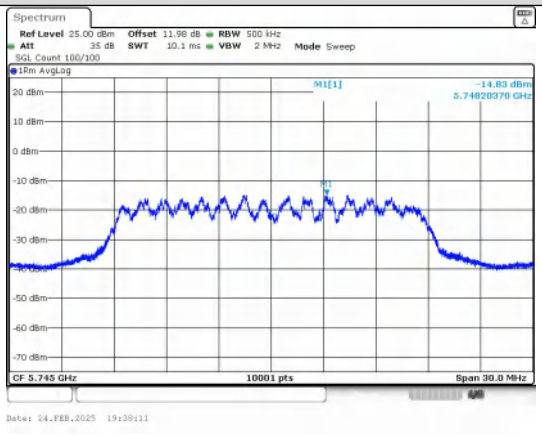
IEEE 802.11a_Channel 149_20MHz_Antenna 0



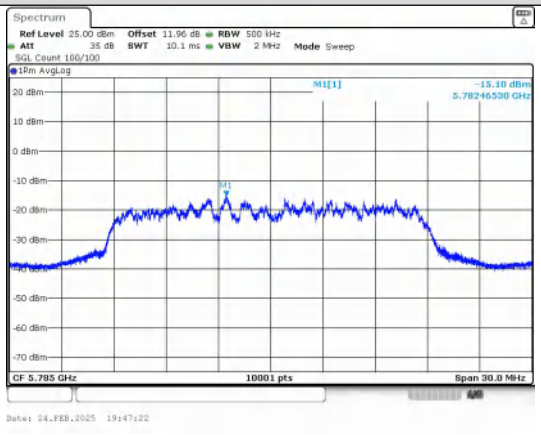
IEEE 802.11a_Channel 157_20MHz_Antenna 0



IEEE 802.11a_Channel 165_20MHz_Antenna 0



IEEE 802.11n_Channel 149_20MHz_Antenna 0



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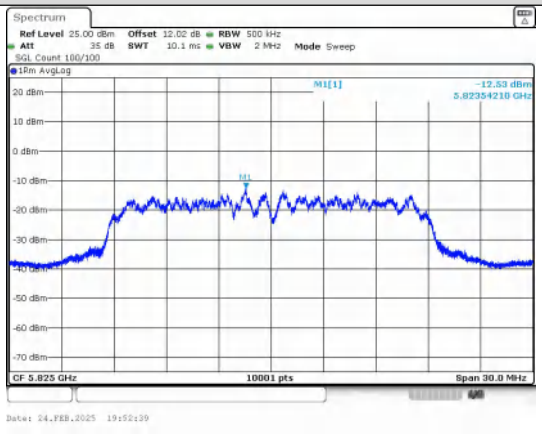

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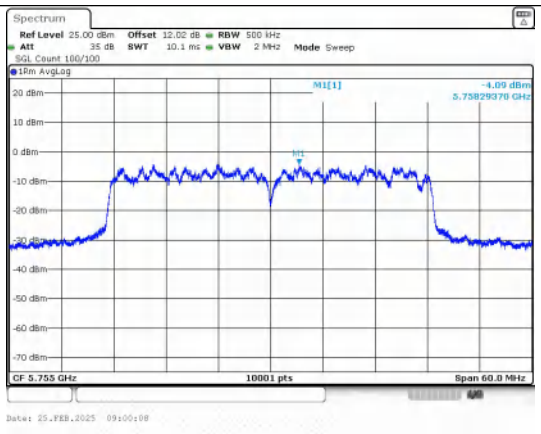
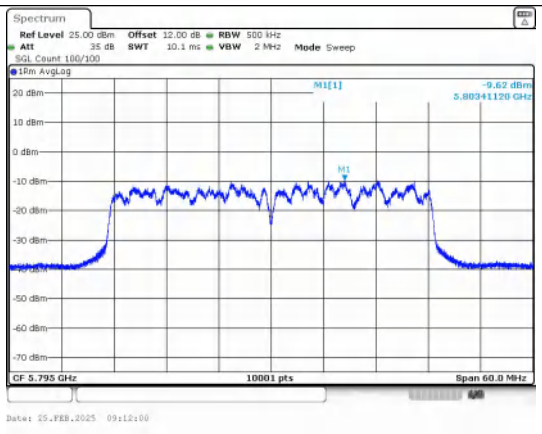


IEEE 802.11n_Channel 151_40MHz_Antenna 0



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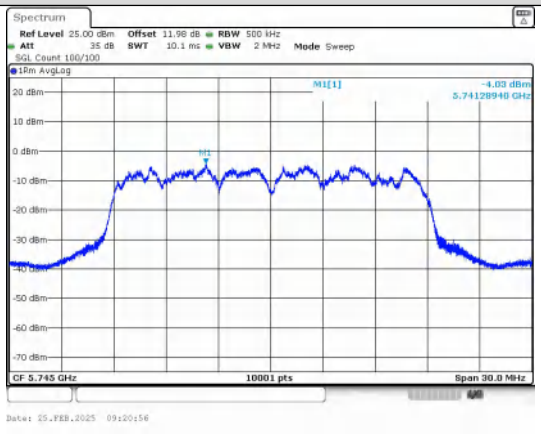
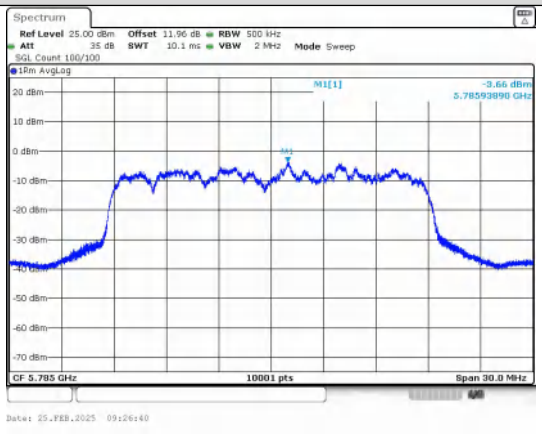
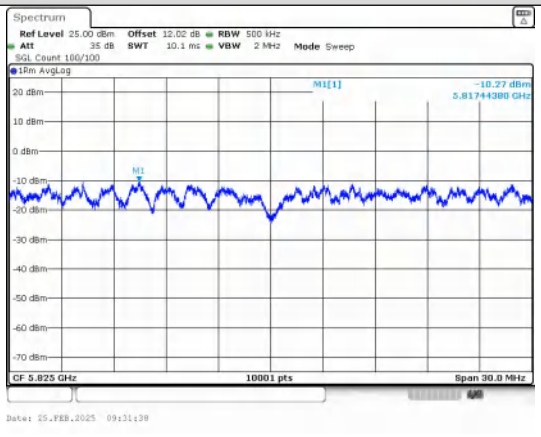


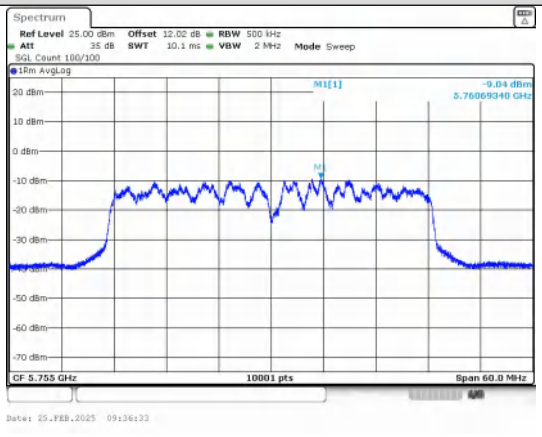
IEEE 802.11ac_Channel 149_20MHz_Antenna 0



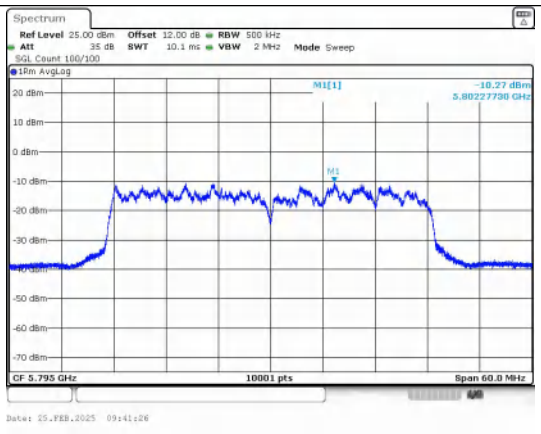
IEEE 802.11ac_Channel 157_20MHz_Antenna 0



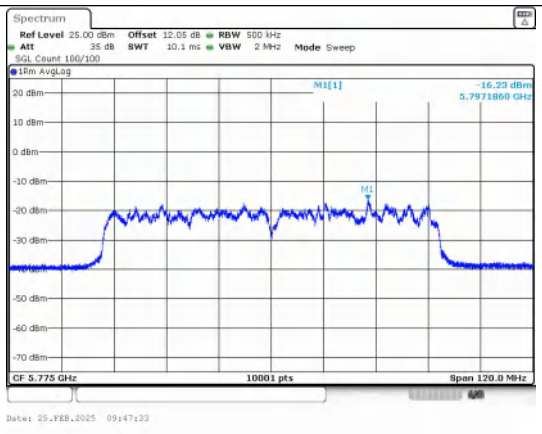
IEEE 802.11ac_Channel 165_20MHz_Antenna 0



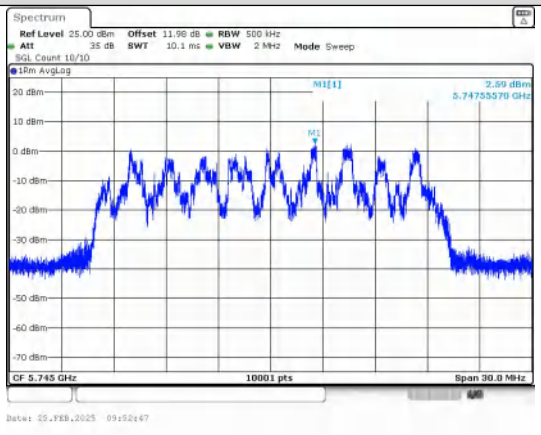
IEEE 802.11ac_Channel 151_40MHz_Antenna 0



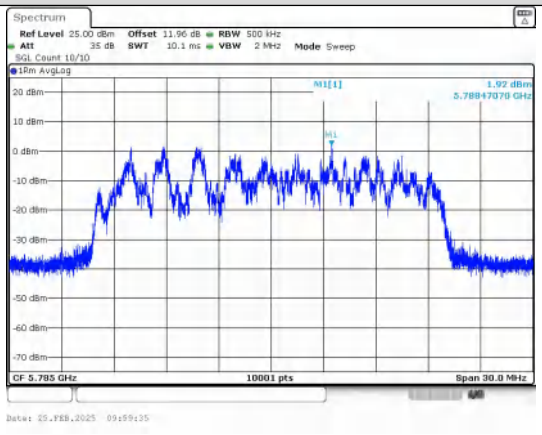
IEEE 802.11ac_Channel 159_40MHz_Antenna 0



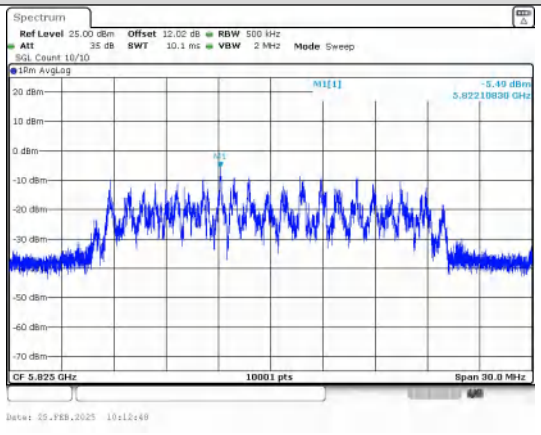
IEEE 802.11ac_Channel 155_80MHz_Antenna 0



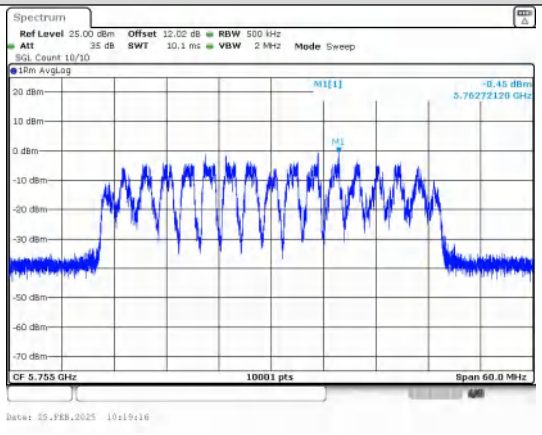
IEEE 802.11ax_Channel 149_20MHz_Antenna 0_RU&Index SU



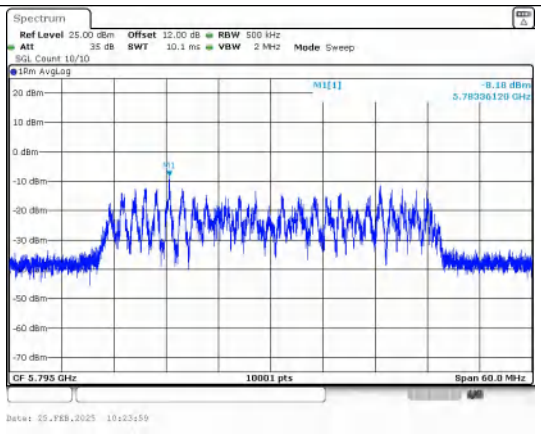
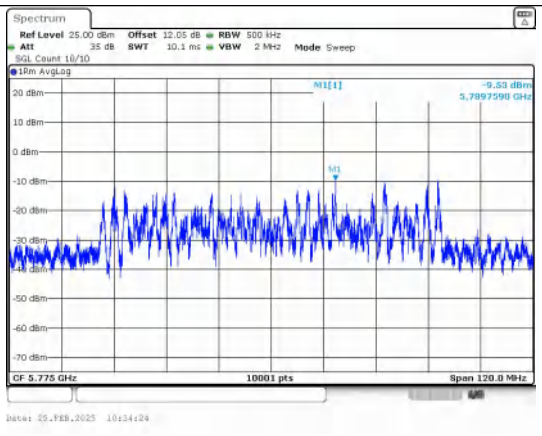
IEEE 802.11ax_Channel 157_20MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 165_20MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 151_40MHz_Antenna 0_RU&Index SU

	
IEEE 802.11ax_Channel 159_40MHz_Antenna 0_RU&Index SU	**IEEE 802.11ax_Channel 155_80MHz_Antenna 0_RU&Index SU**

Conducted Output Power

Conducted output power

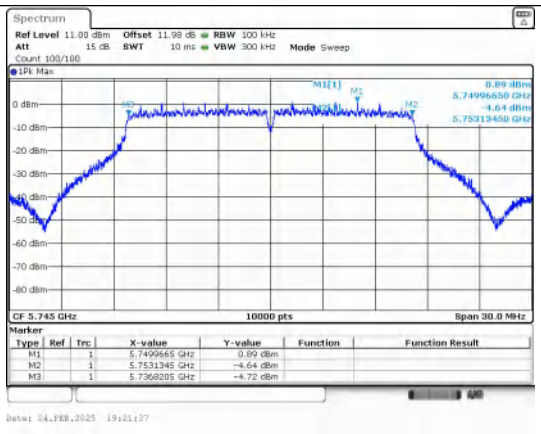
Mode	Channel	Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11a	149	9.956	≤30	PASS
	157	9.550	≤30	PASS
	165	9.823	≤30	PASS
IEEE 802.11n_20	149	-0.886	≤30	PASS
	157	-0.494	≤30	PASS
	165	-0.473	≤30	PASS
IEEE 802.11n_40	151	12.154	≤30	PASS
	159	5.508	≤30	PASS
IEEE 802.11ac_20	149	8.325	≤30	PASS
	157	8.662	≤30	PASS
	165	4.141	≤30	PASS
IEEE 802.11ac_40	151	6.781	≤30	PASS
	159	5.523	≤30	PASS
IEEE 802.11ac_80	155	2.854	≤30	PASS
IEEE 802.11ax_20	149	8.400	≤30	PASS
	157	9.388	≤30	PASS
	165	0.004	≤30	PASS
IEEE 802.11ax_40	151	6.896	≤30	PASS
	159	-4.829	≤30	PASS
IEEE 802.11ax_80	155	2.760	≤30	PASS

6dB Bandwidth

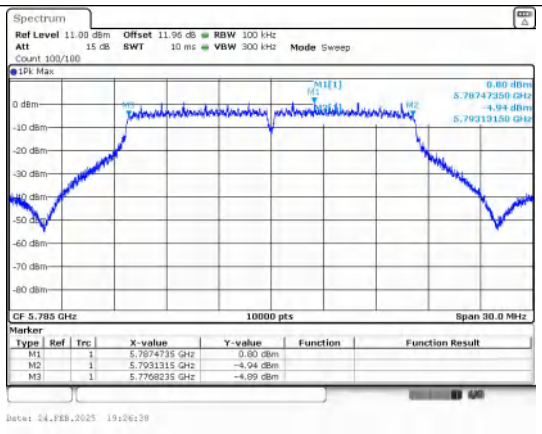
Test Result

Mode	Channel	RU & Index	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11a	149	N/A	0	5745	16.31	≥0.5	PASS
	157			5785	16.31		PASS
	165			5825	16.31		PASS
IEEE 802.11n_20	149			5745	17.61		PASS
	157			5785	17.68		PASS
	165			5825	17.61		PASS
IEEE 802.11n_40	151			5755	36.36		PASS
	159			5795	36.39		PASS
IEEE 802.11ac_20	149			5745	17.66		PASS
	157			5785	17.66		PASS
	165			5825	30.00		PASS
IEEE 802.11ac_40	151			5755	36.38		PASS
	159			5795	36.33		PASS
IEEE 802.11ac_80	155			5775	75.96		PASS
IEEE 802.11ax_20	149	SU		5745	18.98		PASS
	157			5785	18.92		PASS
	165			5825	18.86		PASS
IEEE 802.11ax_40	151			5755	37.85		PASS
	159			5795	37.65		PASS
IEEE 802.11ax_80	155			5775	75.09		PASS

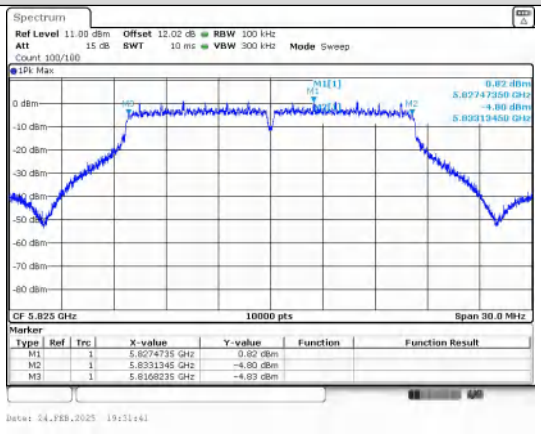
Test Graphs



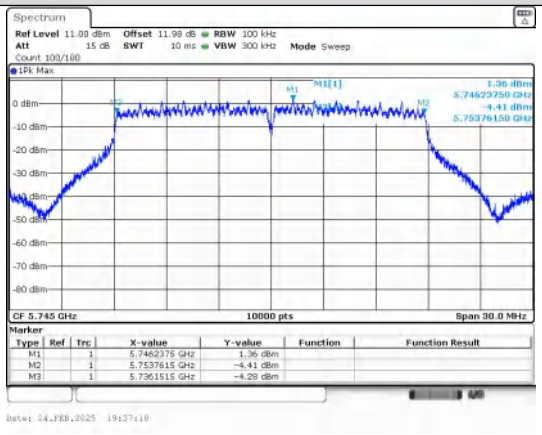
IEEE 802.11a_Channel 149_20MHz_Antenna 0



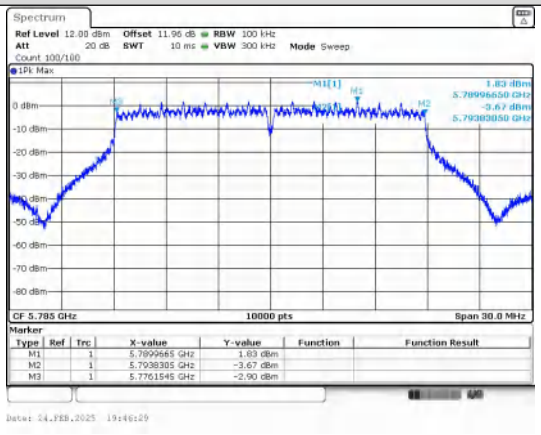
IEEE 802.11a_Channel 157_20MHz_Antenna 0



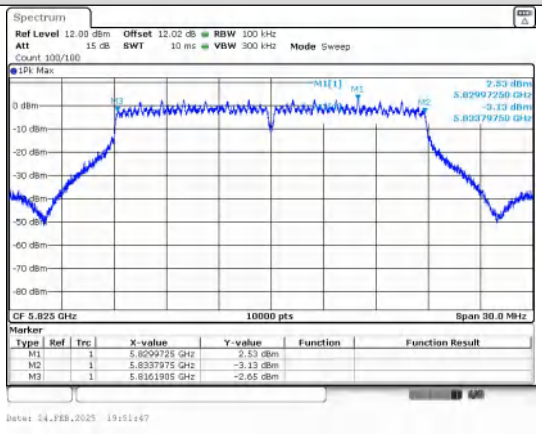
IEEE 802.11a_Channel 165_20MHz_Antenna 0



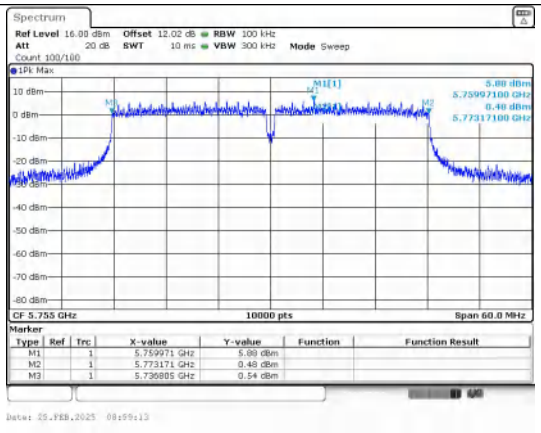
IEEE 802.11n_Channel 149_20MHz_Antenna 0



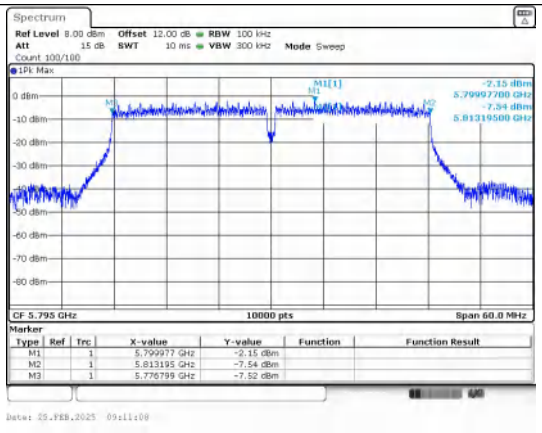
IEEE 802.11n_Channel 157_20MHz_Antenna 0



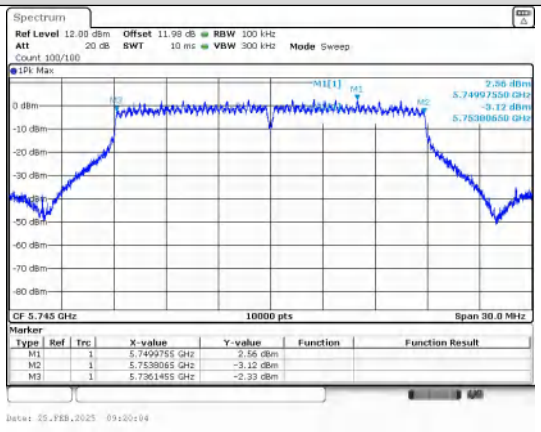
IEEE 802.11n_Channel 165_20MHz_Antenna 0



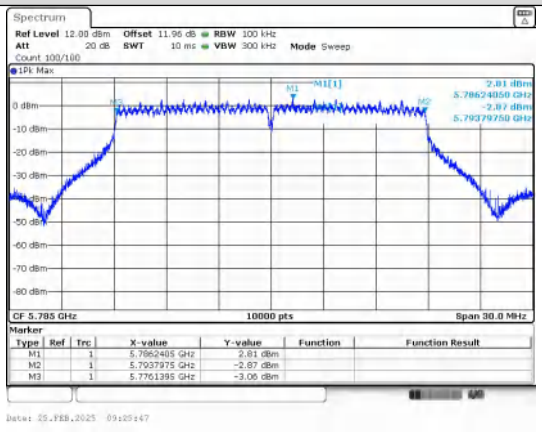
IEEE 802.11n_Channel 151_40MHz_Antenna 0



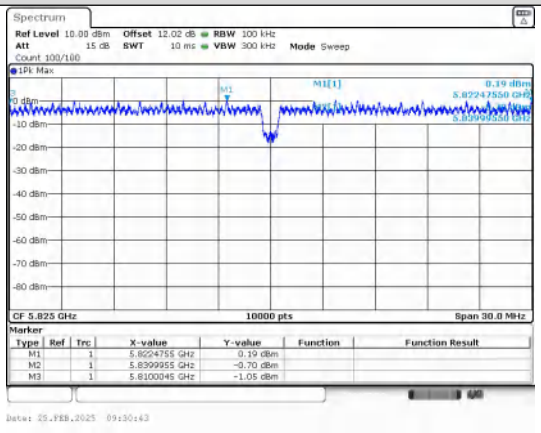
IEEE 802.11n_Channel 159_40MHz_Antenna 0



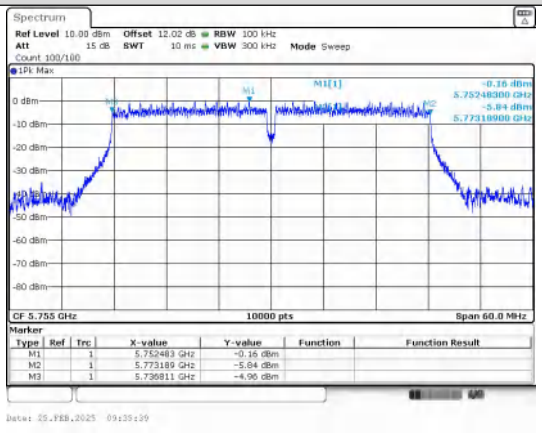
IEEE 802.11ac_Channel 149_20MHz_Antenna 0



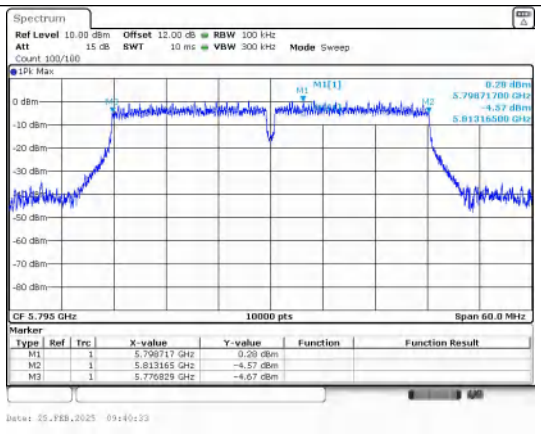
IEEE 802.11ac_Channel 157_20MHz_Antenna 0



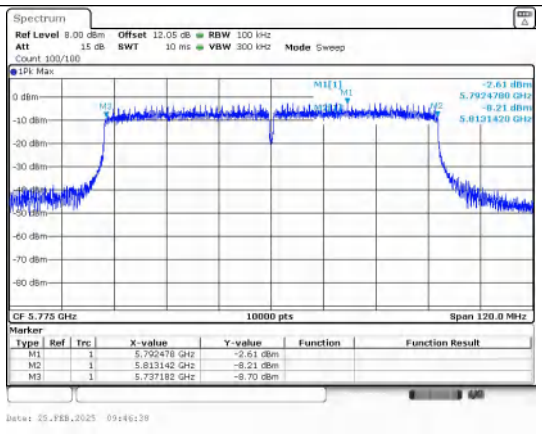
IEEE 802.11ac_Channel 165_20MHz_Antenna 0



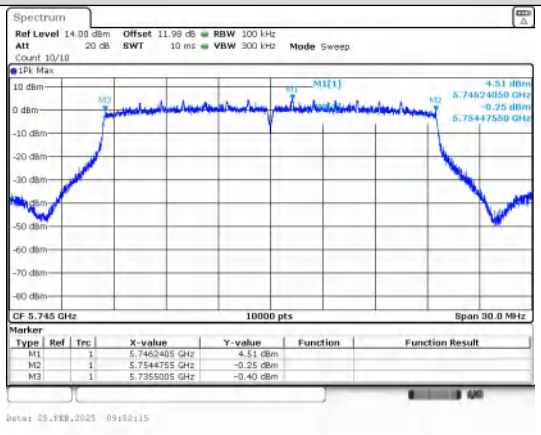
IEEE 802.11ac_Channel 151_40MHz_Antenna 0



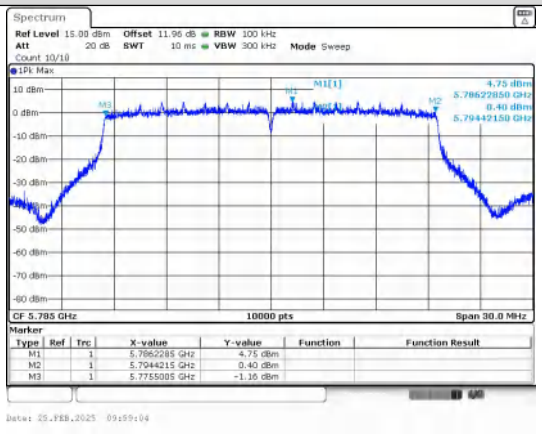
IEEE 802.11ac_Channel 159_40MHz_Antenna 0



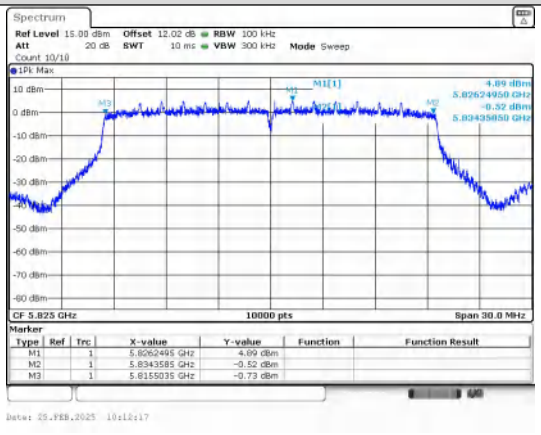
IEEE 802.11ac_Channel 155_80MHz_Antenna 0



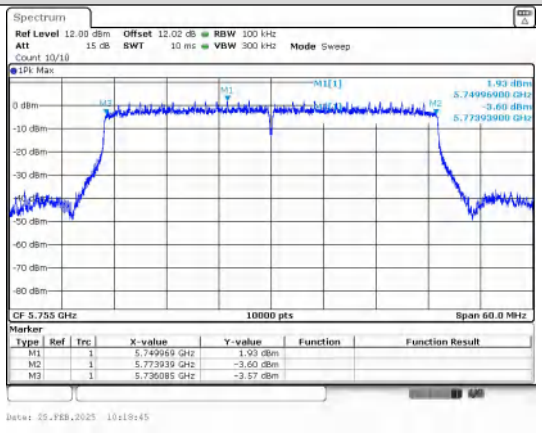
IEEE 802.11ax_Channel 149_20MHz_Antenna 0_RU&Index SU



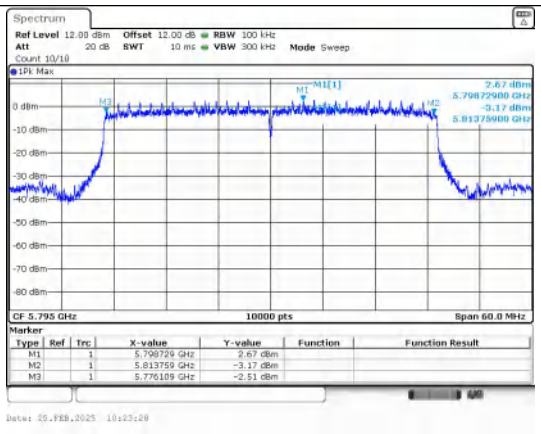
IEEE 802.11ax_Channel 157_20MHz_Antenna 0_RU&Index SU



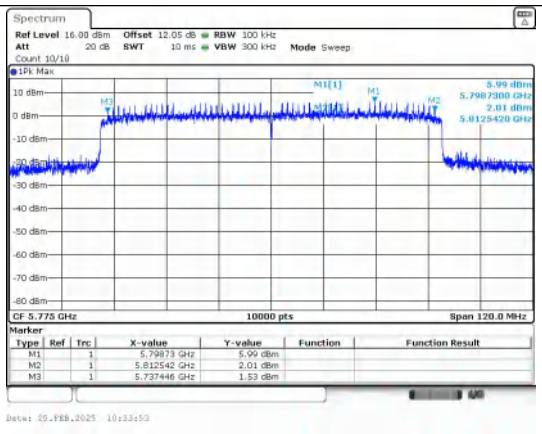
IEEE 802.11ax_Channel 165_20MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 151_40MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 159_40MHz_Antenna 0_RU&Index SU



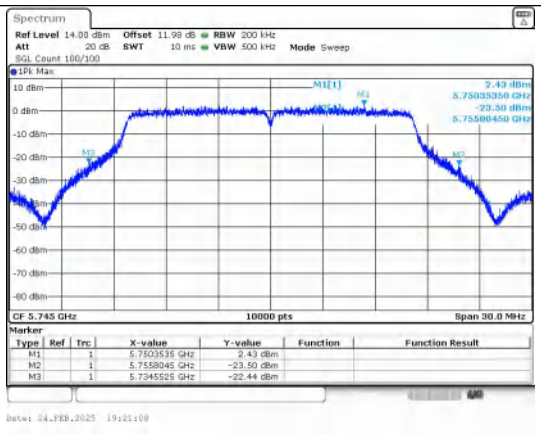
IEEE 802.11ax_Channel 155_80MHz_Antenna 0_RU&Index SU

26dB Bandwidth

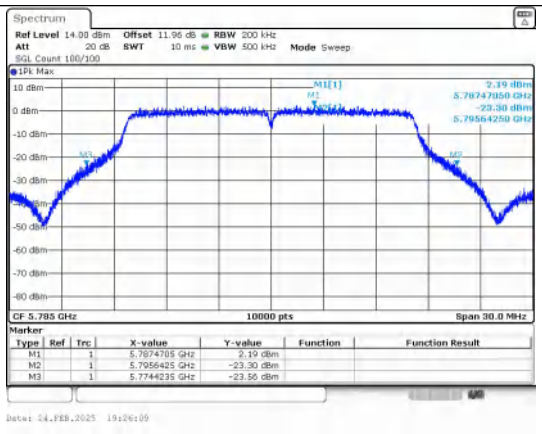
Test Result

Mode	Channel	RU & Index	Ant.	Center Frequency (MHz)	26 dB Bandwidth (MHz)	RBW/EBW
IEEE 802.11a	149	N/A	0	5745	21.25	1.11
	157			5785	21.22	1.12
	165			5825	21.34	1.11
IEEE 802.11n_20	149			5745	21.56	1.1
	157			5785	21.13	1.12
	165			5825	21.48	1.11
IEEE 802.11n_40	151			5755	53.15	1.04
	159			5795	41.66	1.05
IEEE 802.11ac_20	149			5745	21.15	1.13
	157			5785	21.46	1.1
	165			5825	30.00	1.0
IEEE 802.11ac_40	151			5755	41.61	1.04
	159			5795	41.20	1.05
IEEE 802.11ac_80	155			5775	84.21	1.19
IEEE 802.11ax_20	149	SU		5745	21.63	1.09
	157			5785	21.48	1.11
	165			5825	21.31	1.13
IEEE 802.11ax_40	151			5755	41.57	1.03
	159			5795	41.00	1.05
IEEE 802.11ax_80	155			5775	117.71	1.02

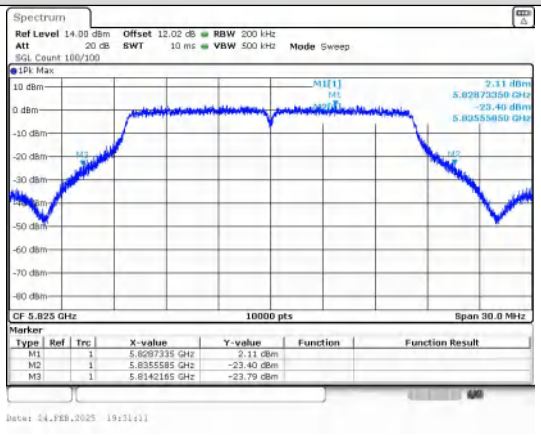
Test Graphs



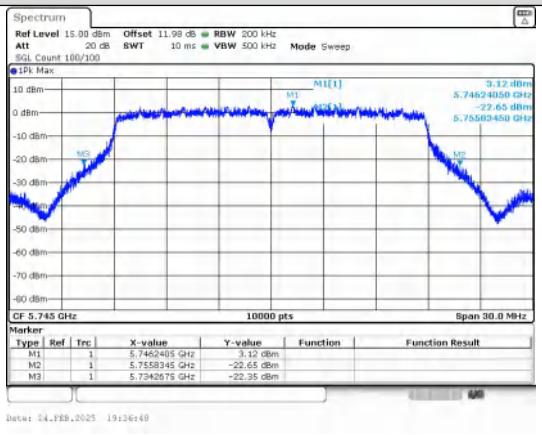
IEEE 802.11a_Channel 149_20MHz_Antenna 0



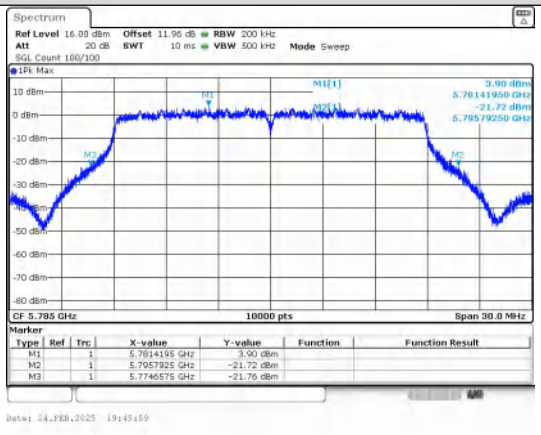
IEEE 802.11a_Channel 157_20MHz_Antenna 0



IEEE 802.11a_Channel 165_20MHz_Antenna 0



IEEE 802.11n_Channel 149_20MHz_Antenna 0



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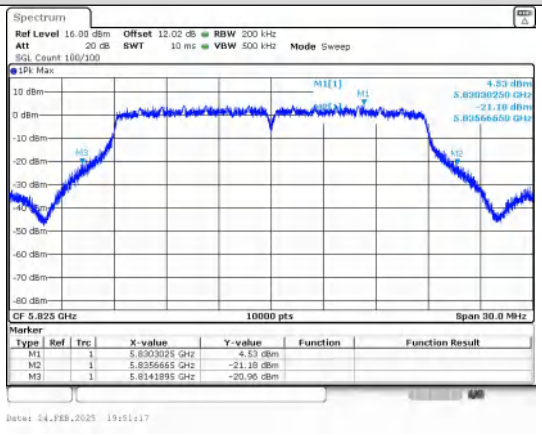
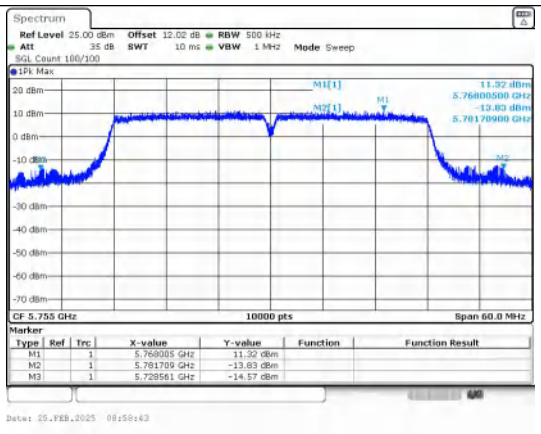


IEEE 802.11n_Channel 165_20MHz_Antenna 0



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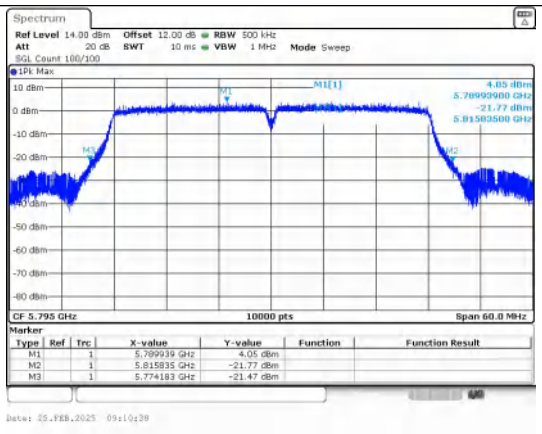

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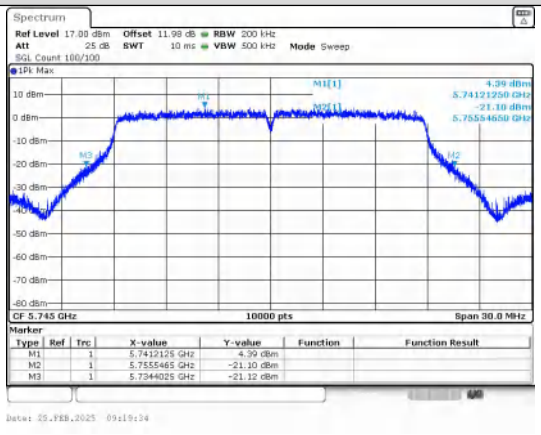
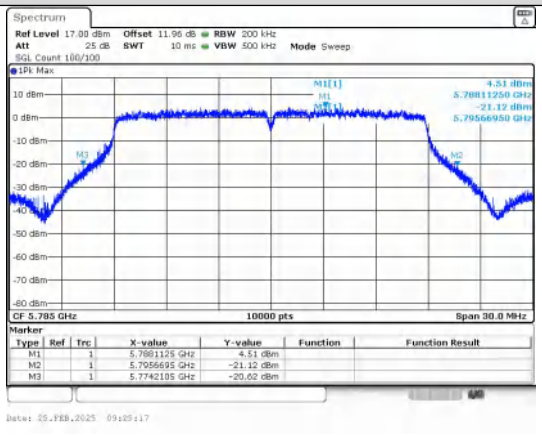
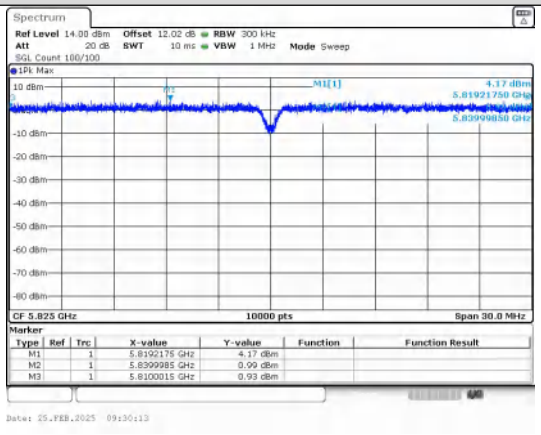


IEEE 802.11ac_Channel 149_20MHz_Antenna 0



IEEE 802.11ac_Channel 157_20MHz_Antenna 0



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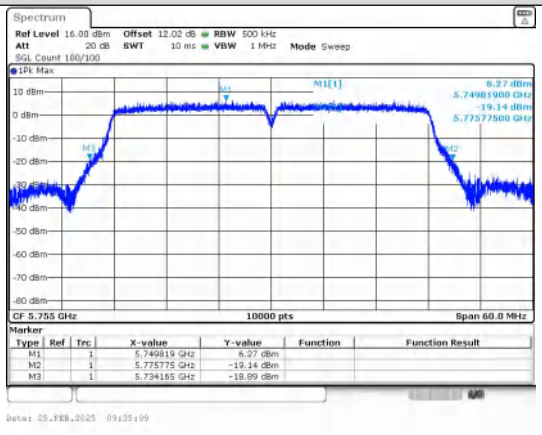

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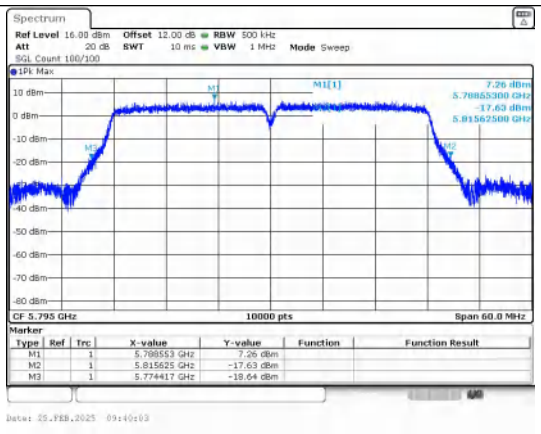
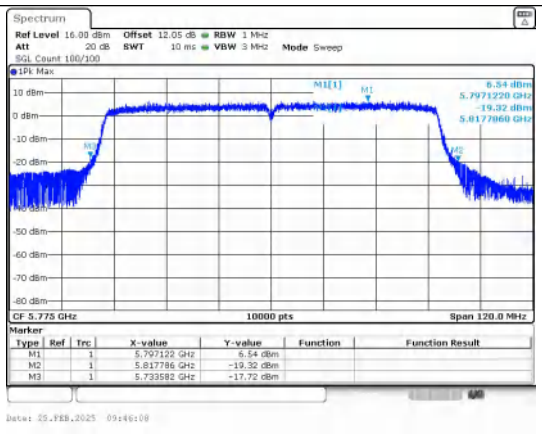
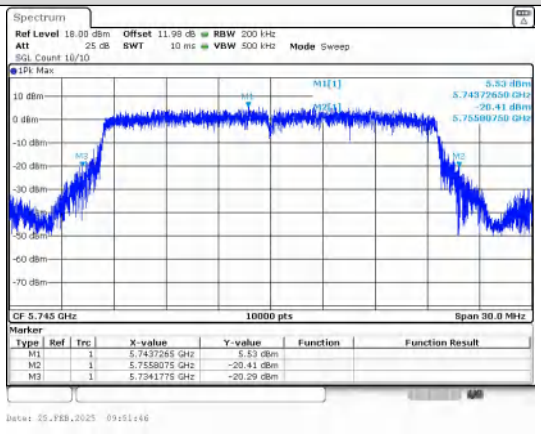


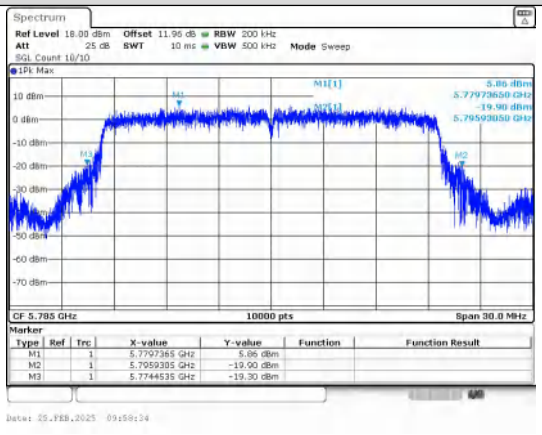
IEEE 802.11ac_Channel 159_40MHz_Antenna 0



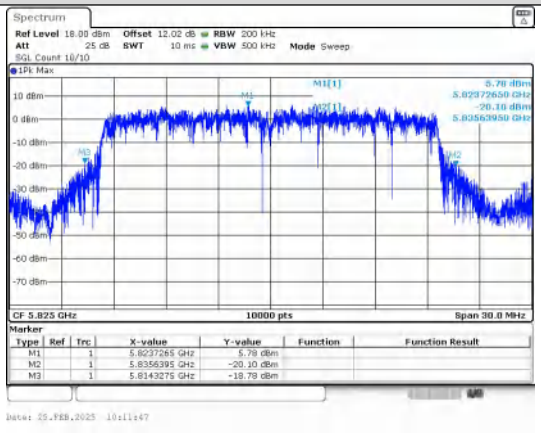
IEEE 802.11ac_Channel 155_80MHz_Antenna 0



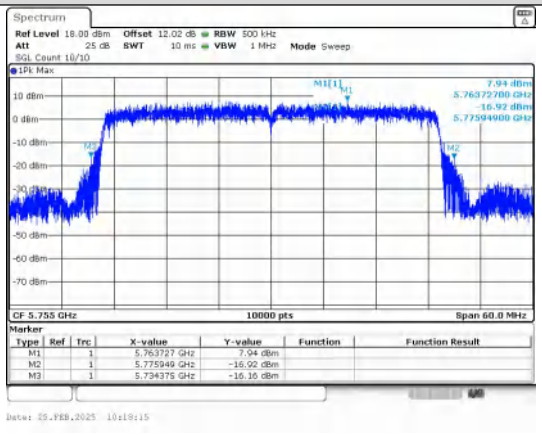
IEEE 802.11ax_Channel 149_20MHz_Antenna 0_RU&Index SU



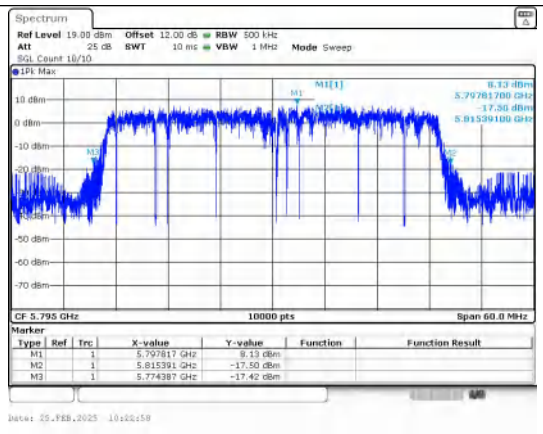
IEEE 802.11ax_Channel 157_20MHz_Antenna 0_RU&Index SU



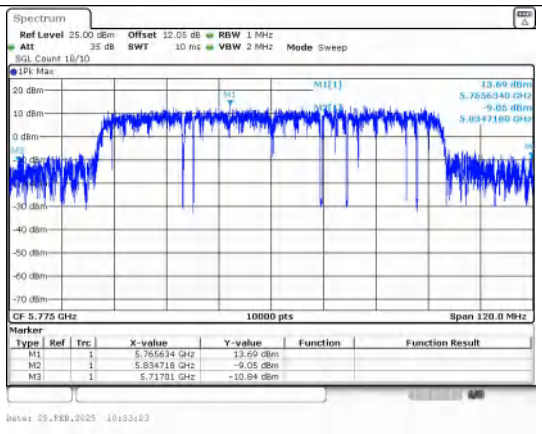
IEEE 802.11ax_Channel 165_20MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 151_40MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 159_40MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 155_80MHz_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	149	N/A	0	54.82	-30.010	-27	-3.010	PASS
				5609.08	-29.319	-27	-2.319	PASS
				5725.00	-25.720	27	-52.720	PASS
				5850.00	-30.550	27	-57.550	PASS
				5946.53	-29.456	-27	-2.456	PASS
				11483.8	-40.490	-27	-13.490	PASS
	157			43.77	-30.330	-27	-3.330	PASS
				5641.58	-29.024	-27	-2.024	PASS
				5725.00	-31.370	27	-58.370	PASS
				5850.00	-30.300	27	-57.300	PASS
				5935.64	-29.284	-27	-2.284	PASS
				6145.95	-41.860	-27	-14.860	PASS
	165			55.01	-28.610	-27	-1.610	PASS
				5600.98	-29.580	-27	-2.580	PASS
				5725.00	-31.240	27	-58.240	PASS
				5850.00	-30.520	27	-57.520	PASS
				5960.40	-28.864	-27	-1.864	PASS
				17612.6	-43.510	-27	-16.510	PASS
IEEE 802.11n_20	149			55.01	-28.940	-27	-1.940	PASS
				5605.80	-28.711	-27	-1.711	PASS
				5725.00	-27.550	27	-54.550	PASS
				5850.00	-31.120	27	-58.120	PASS
				5924.75	-29.208	-26.81685	-2.391	PASS
				11491.4	-41.390	-27	-14.390	PASS

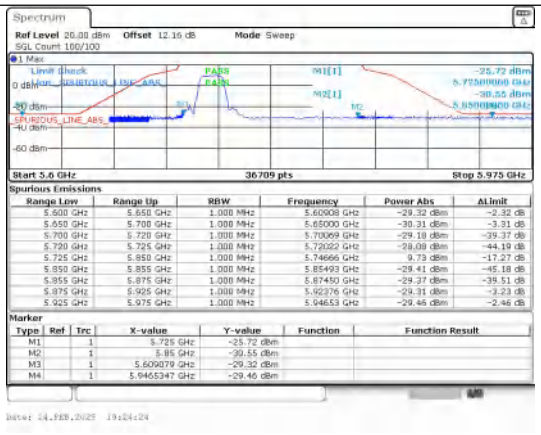
	157			54.82	-29.440	-27	-2.440	PASS
				5610.74	-28.910	-27	-1.910	PASS
				5725.00	-31.260	27	-58.260	PASS
				5850.00	-31.140	27	-58.140	PASS
				5947.52	-29.578	-27	-2.578	PASS
				11569.6	-40.970	-27	-13.970	PASS
	165			55.20	-29.310	-27	-2.310	PASS
				5626.34	-29.134	-27	-2.134	PASS
				5725.00	-30.300	27	-57.300	PASS
				5850.00	-29.400	27	-56.400	PASS
				5926.24	-28.673	-27	-1.673	PASS
				11657.4	-40.720	-27	-13.720	PASS
IEEE 802.11n_40	151			55.01	-28.010	-27	-1.010	PASS
				5623.18	-29.097	-27	-2.097	PASS
				5725.00	-27.410	27	-54.410	PASS
				5850.00	-31.280	27	-58.280	PASS
				5967.82	-28.868	-27	-1.868	PASS
				16767.5	-43.210	-27	-16.210	PASS
	159			55.20	-28.420	-27	-1.420	PASS
				5632.92	-29.043	-27	-2.043	PASS
				5725.00	-30.360	27	-57.360	PASS
				5850.00	-29.990	27	-56.990	PASS
				5942.57	-29.253	-27	-2.253	PASS
				21997.9	-42.940	-27	-15.940	PASS
IEEE 802.11ac_20	149			54.26	-28.900	-27	-1.900	PASS
				5650.15	-29.279	9.999408	-2.387	PASS
				5725.00	-25.390	27	-52.390	PASS
				5850.00	-31.100	27	-58.100	PASS

				5925.25	-28.553	-27	-1.553	PASS
				11489.5	-38.900	-27	-11.900	PASS
	157			54.45	-27.800	-27	-0.800	PASS
				5613.65	-29.633	-27	-2.633	PASS
				5725.00	-31.390	27	-58.390	PASS
				5850.00	-30.120	27	-57.120	PASS
				5936.63	-29.126	-27	-2.126	PASS
				11573.4	-39.160	-27	-12.160	PASS
	165			54.63	-27.520	-27	-0.520	PASS
				5617.70	-28.579	-27	-1.579	PASS
				5725.00	-31.650	27	-58.650	PASS
				5850.00	-21.380	27	-48.380	PASS
				5934.16	-28.771	-27	-1.771	PASS
				11643.4	-41.060	-27	-14.060	PASS
IEEE 802.11ac_40	151			54.45	-28.570	-27	-1.570	PASS
				5633.49	-28.997	-27	-1.997	PASS
				5725.00	-26.080	27	-53.080	PASS
				5850.00	-31.090	27	-58.090	PASS
				5962.87	-29.364	-27	-2.364	PASS
				11516.2	-40.660	-27	-13.660	PASS
	159			54.63	-29.320	-27	-2.320	PASS
				5650.55	-28.562	9.999408	-1.967	PASS
				5725.00	-31.460	27	-58.460	PASS
				5850.00	-29.840	27	-56.840	PASS
				5958.91	-28.797	-27	-1.797	PASS
				11592.5	-41.590	-27	-14.590	PASS
IEEE 802.11ac_80	155			54.45	-28.740	-27	-1.740	PASS
				5636.42	-28.928	-27	-1.928	PASS

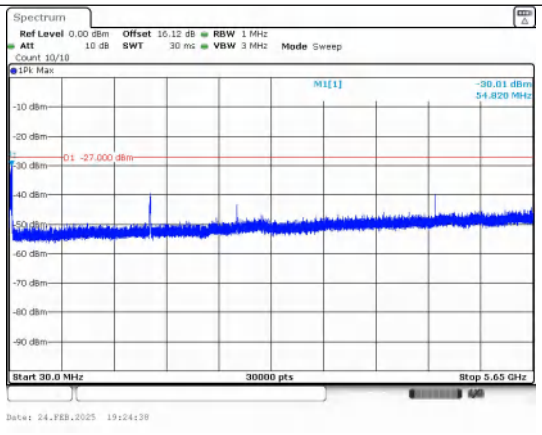
				5725.00	-25.410	27	-52.410	PASS
				5850.00	-26.280	27	-53.280	PASS
				5938.61	-29.202	-27	-2.202	PASS
				11568.3	-41.490	-27	-14.490	PASS
IEEE 802.11ax_20	149	SU		43.77	-29.290	-27	-2.290	PASS
				5619.79	-29.291	-27	-2.291	PASS
				5725.00	-23.330	27	-50.330	PASS
				5850.00	-30.010	27	-57.010	PASS
				5938.12	-28.708	-27	-1.708	PASS
				11488.2	-34.600	-27	-7.600	PASS
	157			54.45	-29.160	-27	-2.160	PASS
				5623.11	-29.291	-27	-2.291	PASS
				5725.00	-31.130	27	-58.130	PASS
				5850.00	-30.130	27	-57.130	PASS
				5935.15	-29.360	-27	-2.360	PASS
				11576.0	-38.240	-27	-11.240	PASS
	165			54.63	-29.210	-27	-2.210	PASS
				5631.75	-29.345	-27	-2.345	PASS
				5725.00	-32.140	27	-59.140	PASS
				5850.00	-31.090	27	-58.090	PASS
				5936.14	-29.264	-27	-2.264	PASS
				11651.0	-37.110	-27	-10.110	PASS
IEEE 802.11ax_40	151			55.57	-29.110	-27	-2.110	PASS
				5620.94	-29.327	-27	-2.327	PASS
				5725.00	-27.320	27	-54.320	PASS
				5850.00	-31.390	27	-58.390	PASS
				5952.97	-29.345	-27	-2.345	PASS
				11508.6	-38.060	-27	-11.060	PASS

	159			54.63	-27.990	-27	-0.990	PASS
				5634.25	-29.634	-27	-2.634	PASS
				5725.00	-30.310	27	-57.310	PASS
				5850.00	-23.910	27	-50.910	PASS
				5958.42	-29.518	-27	-2.518	PASS
				11590.0	-38.290	-27	-11.290	PASS
IEEE 802.11ax_80	155			55.57	-29.720	-27	-2.720	PASS
				5624.60	-28.860	-27	-1.860	PASS
				5725.00	-29.460	27	-56.460	PASS
				5850.00	-30.240	27	-57.240	PASS
				5930.40	-38.160	-27	-11.160	PASS
				5944.06	-29.276	-27	-2.276	PASS

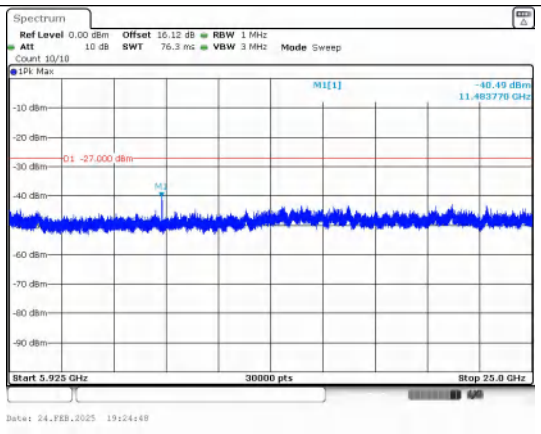
Test Graphs



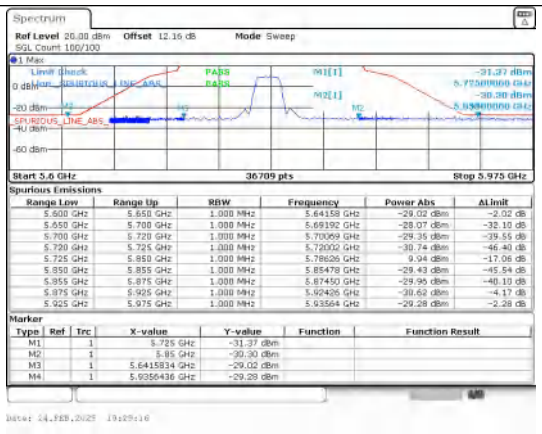
Out Of Band Emission
IEEE 802.11a_Channel 149_20MHz_Antenna 0



Spurious Emission:30.0~5650 MHz
IEEE 802.11a_Channel 149_20MHz_Antenna 0



Spurious Emission:5925~25000.0 MHz
IEEE 802.11a_Channel 149_20MHz_Antenna 0



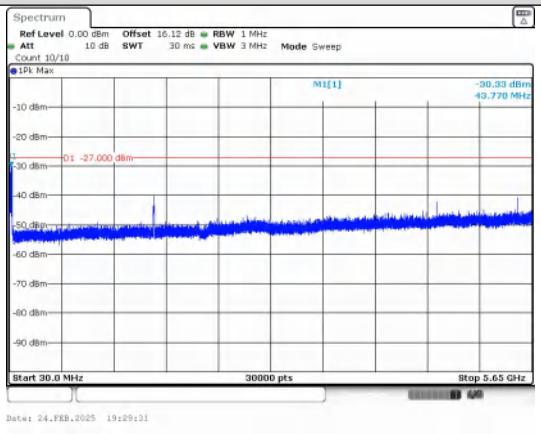
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.600 GHz	5.650 GHz	1.000 MHz	5.64158 GHz	-29.02 dBm	-2.02 dB
5.650 GHz	5.700 GHz	1.000 MHz	5.69192 GHz	-28.07 dBm	-32.10 dB
5.700 GHz	5.720 GHz	1.000 MHz	5.70069 GHz	-29.35 dBm	-39.55 dB
5.720 GHz	5.725 GHz	1.000 MHz	5.72032 GHz	-30.74 dBm	-46.40 dB
5.725 GHz	5.850 GHz	1.000 MHz	5.78626 GHz	9.94 dBm	-17.06 dB
5.850 GHz	5.855 GHz	1.000 MHz	5.85478 GHz	-29.43 dBm	-45.54 dB
5.855 GHz	5.875 GHz	1.000 MHz	5.87450 GHz	-29.95 dBm	-40.10 dB
5.875 GHz	5.925 GHz	1.000 MHz	5.92426 GHz	-30.62 dBm	-4.17 dB
5.925 GHz	5.975 GHz	1.000 MHz	5.93564 GHz	-29.28 dBm	-2.28 dB

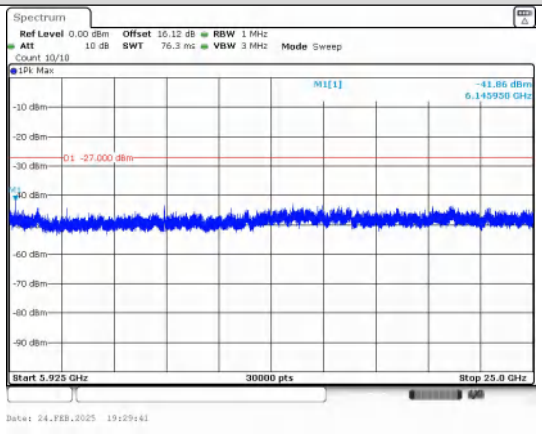
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.725 GHz	-31.37 dBm		
M2		1	5.85 GHz	-30.30 dBm		
M3		1	5.6415834 GHz	-29.02 dBm		
M4		1	5.9356436 GHz	-29.28 dBm		

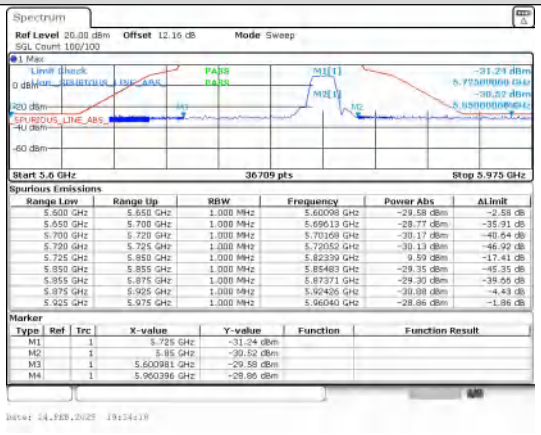
Out Of Band Emission
IEEE 802.11a_Channel 157_20MHz_Antenna 0



Spurious Emission:30.0~5650 MHz
IEEE 802.11a_Channel 157_20MHz_Antenna 0



Spurious Emission:5925~25000.0 MHz
IEEE 802.11a_Channel 157_20MHz_Antenna 0



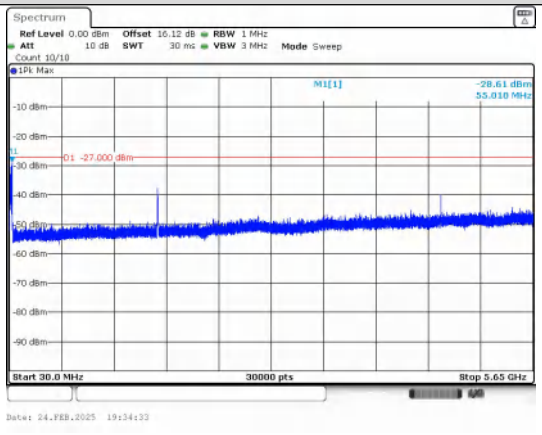
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.600 GHz	5.650 GHz	1.000 MHz	5.60098 GHz	-29.58 dBm	-2.58 dB
5.650 GHz	5.700 GHz	1.000 MHz	5.69613 GHz	-28.77 dBm	-35.91 dB
5.700 GHz	5.720 GHz	1.000 MHz	5.70168 GHz	-30.17 dBm	-40.64 dB
5.720 GHz	5.725 GHz	1.000 MHz	5.72052 GHz	-30.13 dBm	-46.92 dB
5.725 GHz	5.850 GHz	1.000 MHz	5.82339 GHz	9.59 dBm	-17.41 dB
5.850 GHz	5.855 GHz	1.000 MHz	5.85483 GHz	-29.35 dBm	-45.35 dB
5.855 GHz	5.875 GHz	1.000 MHz	5.87371 GHz	-29.30 dBm	-39.66 dB
5.875 GHz	5.925 GHz	1.000 MHz	5.92426 GHz	-30.98 dBm	-4.43 dB
5.925 GHz	5.975 GHz	1.000 MHz	5.96040 GHz	-28.86 dBm	-1.86 dB

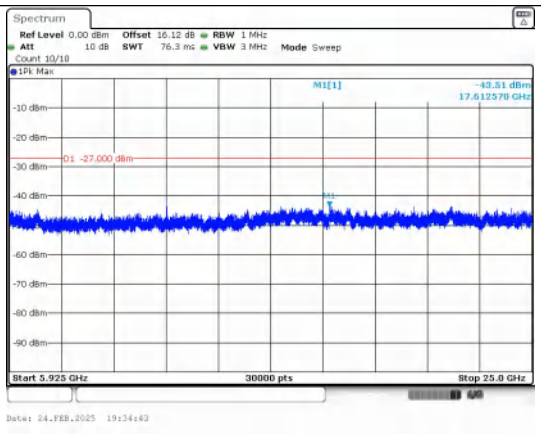
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.725 GHz	-31.24 dBm		
M2		1	5.85 GHz	-30.52 dBm		
M3		1	5.600981 GHz	-29.58 dBm		
M4		1	5.960396 GHz	-28.86 dBm		

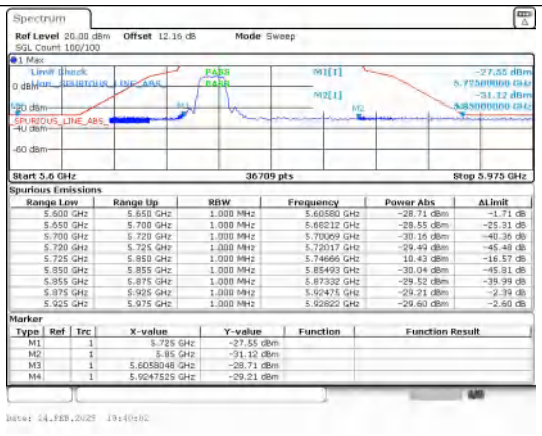
Out Of Band Emission
IEEE 802.11a_Channel 165_20MHz_Antenna 0



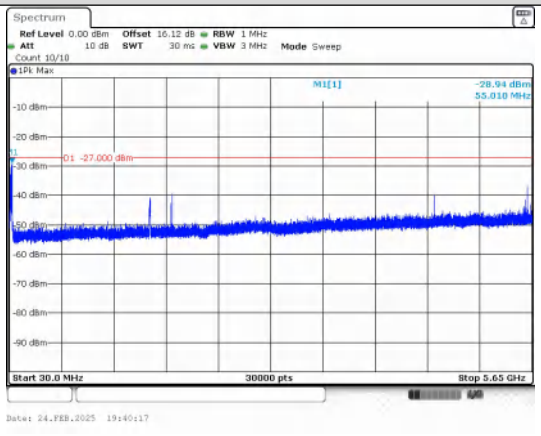
Spurious Emission:30.0~5650 MHz
IEEE 802.11a_Channel 165_20MHz_Antenna 0



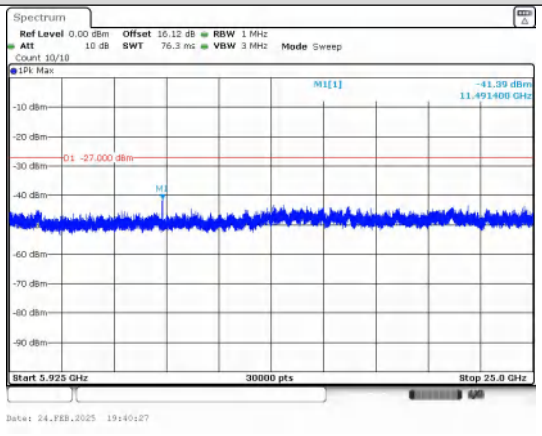
Spurious Emission:5925~25000.0 MHz
IEEE 802.11a_Channel 165_20MHz_Antenna 0



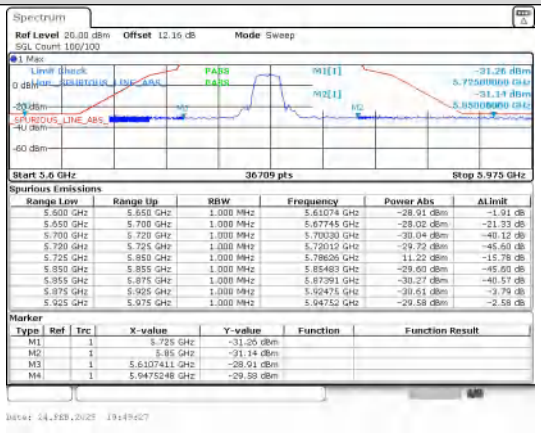
Out Of Band Emission
IEEE 802.11n_Channel 149_20MHz_Antenna 0



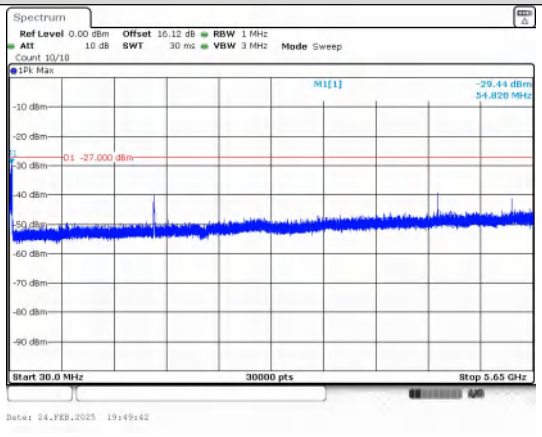
Spurious Emission:30.0~5650 MHz
IEEE 802.11n_Channel 149_20MHz_Antenna 0



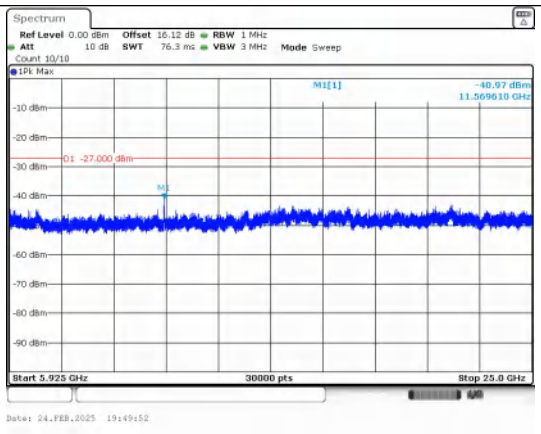
Spurious Emission:5925~25000.0 MHz
IEEE 802.11n_Channel 149_20MHz_Antenna 0



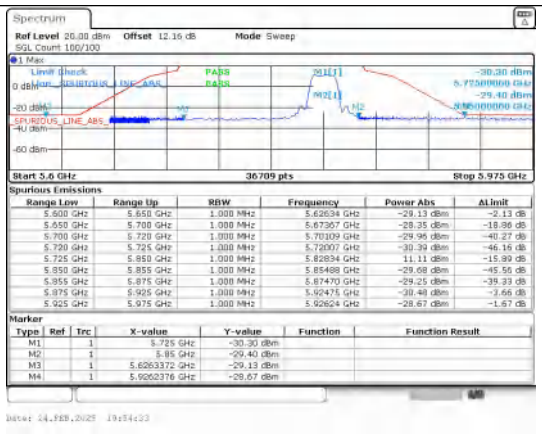
Out Of Band Emission
IEEE 802.11n_Channel 157_20MHz_Antenna 0



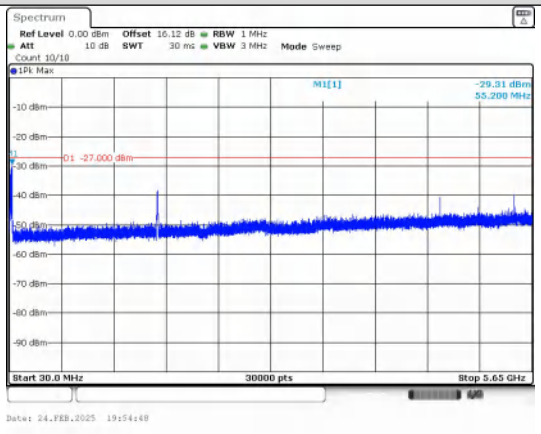
Spurious Emission:30.0~5650 MHz
IEEE 802.11n_Channel 157_20MHz_Antenna 0



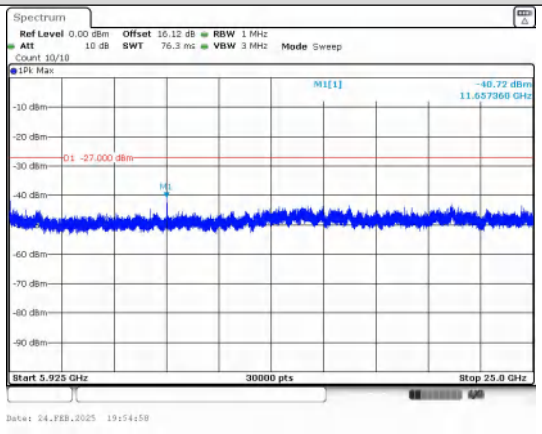
Spurious Emission:5925~25000.0 MHz
IEEE 802.11n_Channel 157_20MHz_Antenna 0



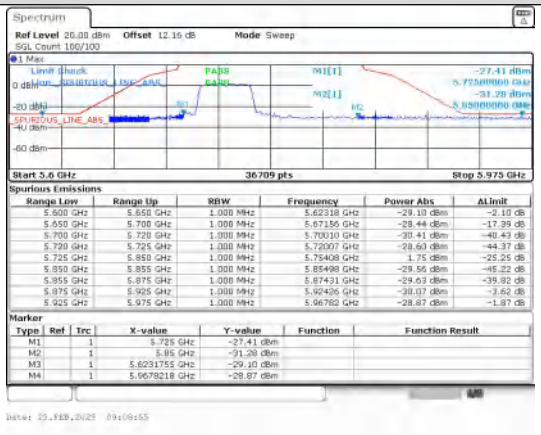
Out Of Band Emission
IEEE 802.11n_Channel 165_20MHz_Antenna 0



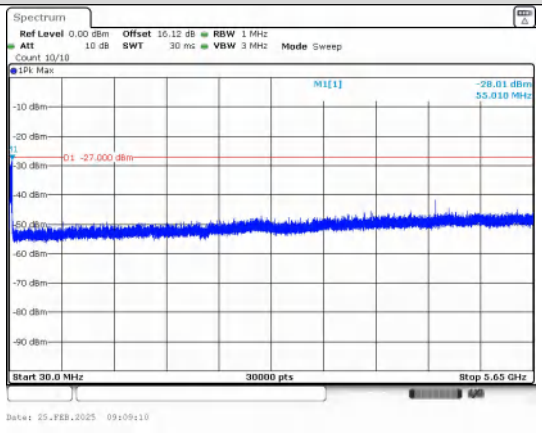
Spurious Emission:30.0~5650 MHz
IEEE 802.11n_Channel 165_20MHz_Antenna 0



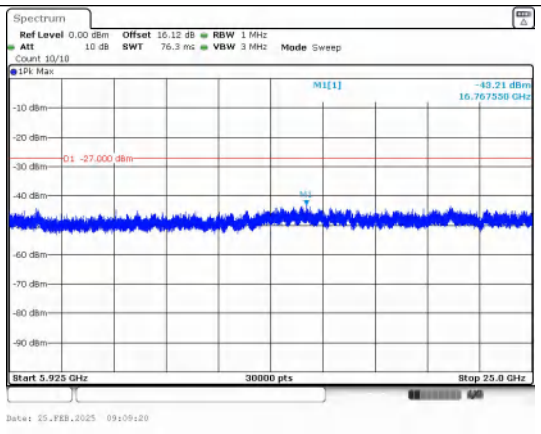
Spurious Emission:5925~25000.0 MHz
IEEE 802.11n_Channel 165_20MHz_Antenna 0



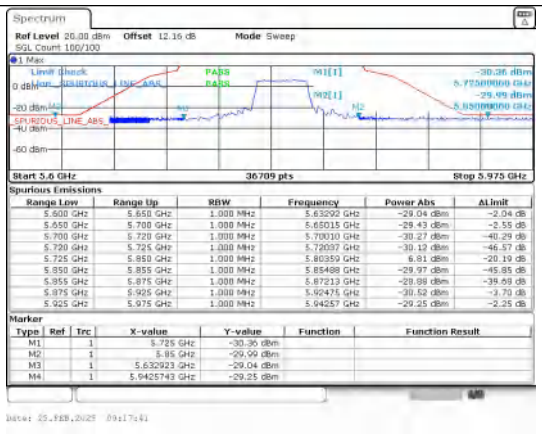
Out Of Band Emission
IEEE 802.11n_Channel 151_40MHz_Antenna 0



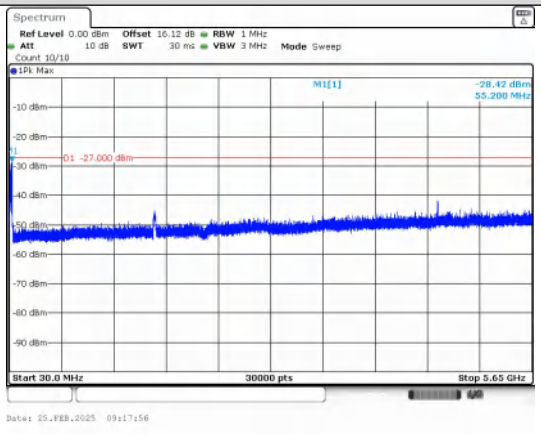
Spurious Emission:30.0~5650 MHz
IEEE 802.11n_Channel 151_40MHz_Antenna 0



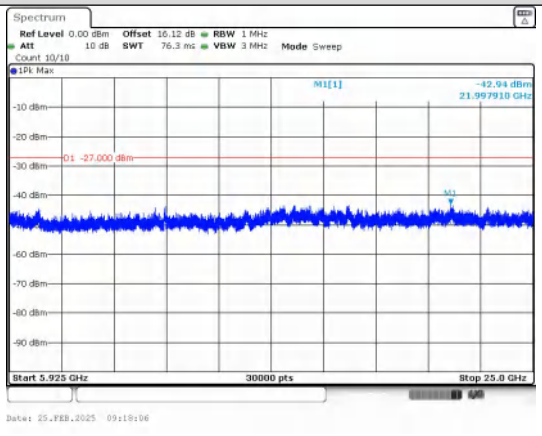
Spurious Emission:5925~25000.0 MHz
IEEE 802.11n_Channel 151_40MHz_Antenna 0



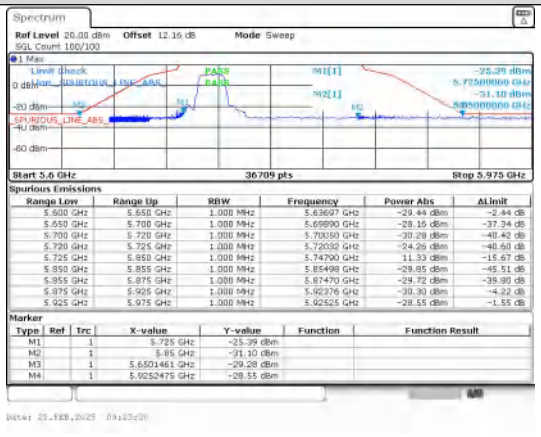
Out Of Band Emission
IEEE 802.11n_Channel 159_40MHz_Antenna 0



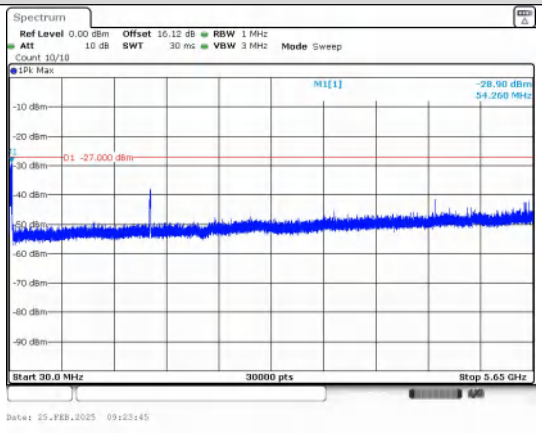
Spurious Emission:30.0~5650 MHz
IEEE 802.11n_Channel 159_40MHz_Antenna 0



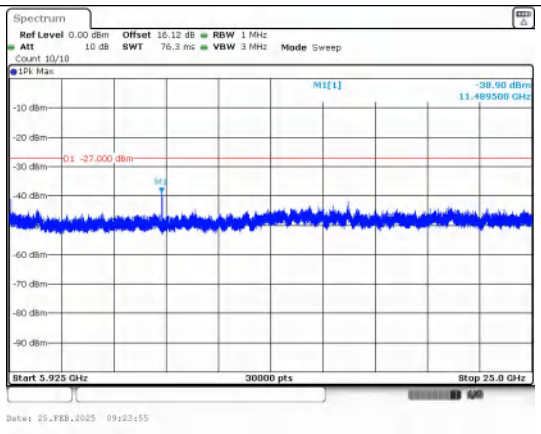
Spurious Emission:5925~25000.0 MHz
IEEE 802.11n_Channel 159_40MHz_Antenna 0



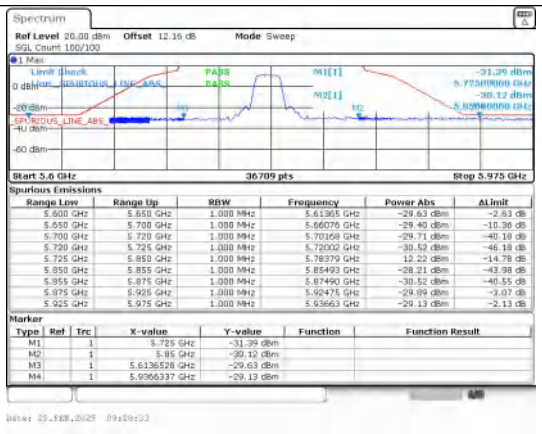
Out Of Band Emission
IEEE 802.11ac_Channel 149_20MHz_Antenna 0



Spurious Emission:30.0~5650 MHz
IEEE 802.11ac_Channel 149_20MHz_Antenna 0



Spurious Emission:5925~25000.0 MHz
IEEE 802.11ac_Channel 149_20MHz_Antenna 0



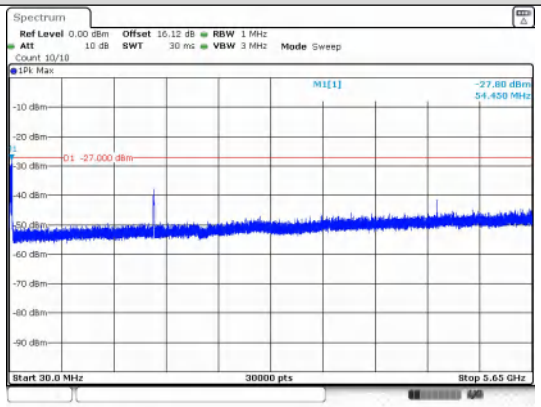
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.600 GHz	5.650 GHz	1.000 MHz	5.61365 GHz	-29.63 dBm	-2.63 dB
5.650 GHz	5.700 GHz	1.000 MHz	5.66076 GHz	-29.40 dBm	-10.36 dB
5.700 GHz	5.720 GHz	1.000 MHz	5.70168 GHz	-29.71 dBm	-40.10 dB
5.720 GHz	5.725 GHz	1.000 MHz	5.72002 GHz	-30.52 dBm	-46.18 dB
5.725 GHz	5.850 GHz	1.000 MHz	5.78379 GHz	12.22 dBm	-14.78 dB
5.850 GHz	5.855 GHz	1.000 MHz	5.85493 GHz	-28.21 dBm	-43.98 dB
5.855 GHz	5.875 GHz	1.000 MHz	5.87490 GHz	-30.52 dBm	-40.55 dB
5.875 GHz	5.925 GHz	1.000 MHz	5.92475 GHz	-29.89 dBm	-3.07 dB
5.925 GHz	5.975 GHz	1.000 MHz	5.93663 GHz	-29.13 dBm	-2.13 dB

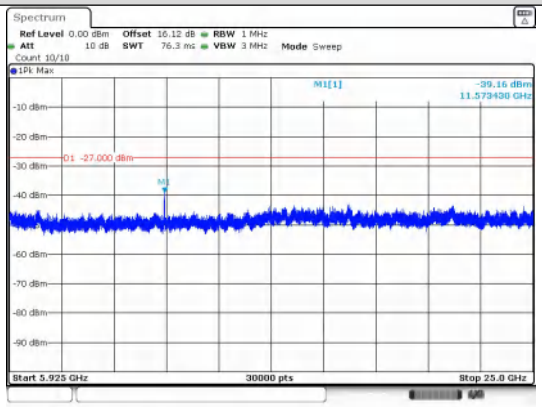
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.725 GHz	-31.99 dBm		
M2		1	5.85 GHz	-30.12 dBm		
M3		1	5.6136528 GHz	-29.63 dBm		
M4		1	5.9366337 GHz	-29.13 dBm		

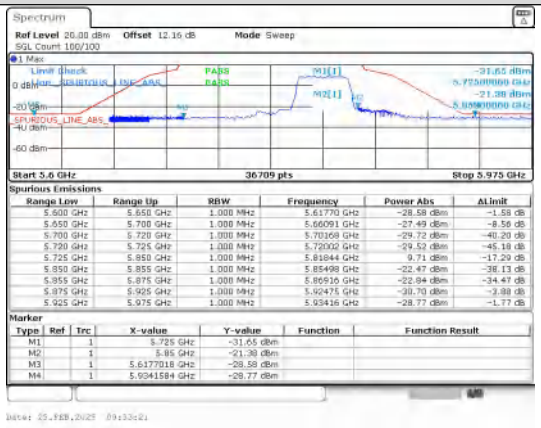
Out Of Band Emission
IEEE 802.11ac_Channel 157_20MHz_Antenna 0



Spurious Emission:30.0~5650 MHz
IEEE 802.11ac_Channel 157_20MHz_Antenna 0



Spurious Emission:5925~25000.0 MHz
IEEE 802.11ac_Channel 157_20MHz_Antenna 0



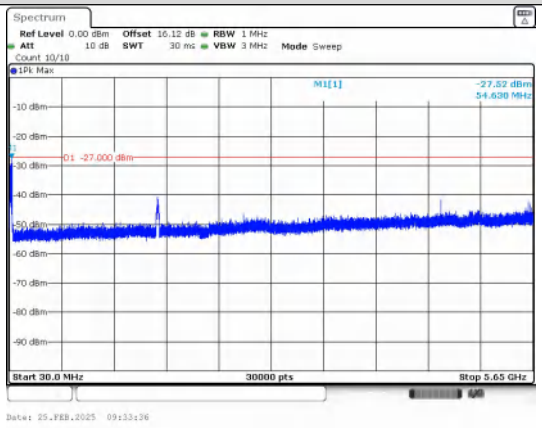
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.600 GHz	5.650 GHz	1.000 MHz	5.61770 GHz	-28.58 dBm	-1.58 dB
5.650 GHz	5.700 GHz	1.000 MHz	5.66091 GHz	-27.49 dBm	-8.56 dB
5.700 GHz	5.720 GHz	1.000 MHz	5.70168 GHz	-29.72 dBm	-40.20 dB
5.720 GHz	5.725 GHz	1.000 MHz	5.72002 GHz	-29.52 dBm	-45.18 dB
5.725 GHz	5.850 GHz	1.000 MHz	5.81844 GHz	9.71 dBm	-17.29 dB
5.850 GHz	5.855 GHz	1.000 MHz	5.85498 GHz	-22.47 dBm	-38.13 dB
5.855 GHz	5.875 GHz	1.000 MHz	5.86916 GHz	-22.84 dBm	-34.47 dB
5.875 GHz	5.925 GHz	1.000 MHz	5.92475 GHz	-30.70 dBm	-3.88 dB
5.925 GHz	5.975 GHz	1.000 MHz	5.93416 GHz	-28.77 dBm	-1.77 dB

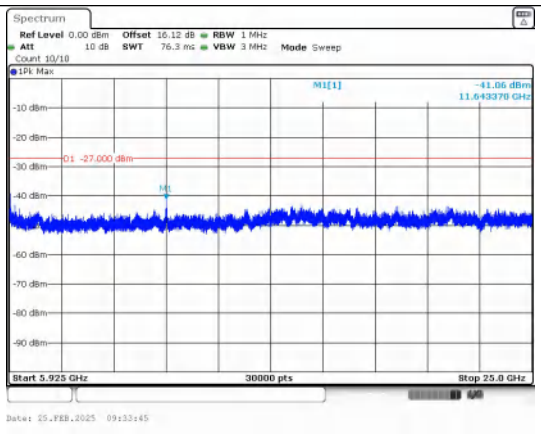
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.725 GHz	-31.65 dBm		
M2		1	5.85 GHz	-21.38 dBm		
M3		1	5.6177018 GHz	-28.58 dBm		
M4		1	5.9341584 GHz	-28.77 dBm		

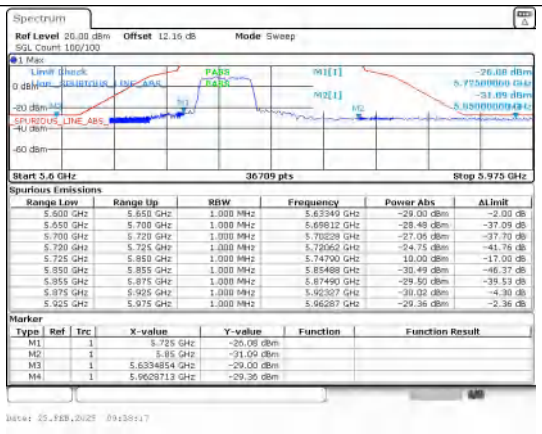
Out Of Band Emission
IEEE 802.11ac_Channel 165_20MHz_Antenna 0



Spurious Emission:30.0~5650 MHz
IEEE 802.11ac_Channel 165_20MHz_Antenna 0



Spurious Emission:5925~25000.0 MHz
IEEE 802.11ac_Channel 165_20MHz_Antenna 0



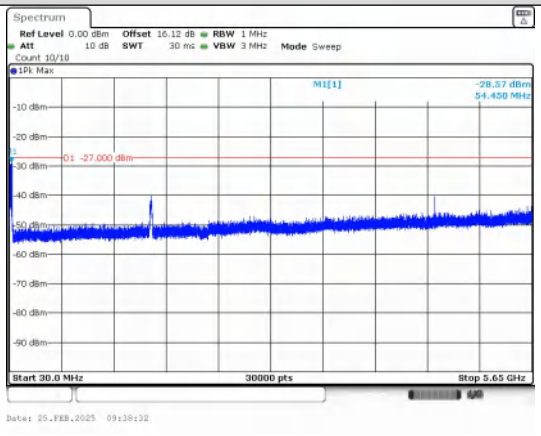
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.600 GHz	5.650 GHz	1.000 MHz	5.63349 GHz	-29.00 dBm	-2.00 dB
5.650 GHz	5.700 GHz	1.000 MHz	5.69812 GHz	-28.48 dBm	-37.09 dB
5.700 GHz	5.720 GHz	1.000 MHz	5.70228 GHz	-27.06 dBm	-37.70 dB
5.720 GHz	5.725 GHz	1.000 MHz	5.72062 GHz	-24.75 dBm	-41.76 dB
5.725 GHz	5.850 GHz	1.000 MHz	5.74700 GHz	10.00 dBm	-17.00 dB
5.850 GHz	5.855 GHz	1.000 MHz	5.85488 GHz	-30.49 dBm	-46.37 dB
5.855 GHz	5.875 GHz	1.000 MHz	5.87490 GHz	-29.50 dBm	-39.53 dB
5.875 GHz	5.925 GHz	1.000 MHz	5.92327 GHz	-30.02 dBm	-4.30 dB
5.925 GHz	5.975 GHz	1.000 MHz	5.96287 GHz	-29.36 dBm	-2.36 dB

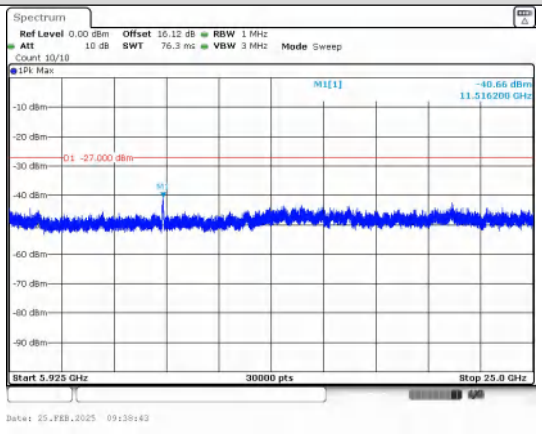
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.725 GHz	-26.08 dBm		
M2		1	5.85 GHz	-31.09 dBm		
M3		1	5.6334854 GHz	-29.00 dBm		
M4		1	5.9629713 GHz	-29.36 dBm		

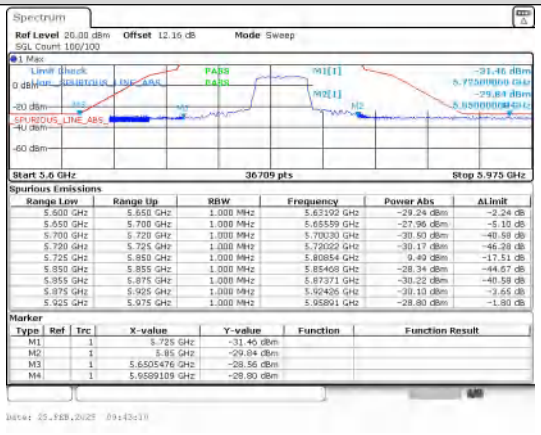
Out Of Band Emission
IEEE 802.11ac_Channel 151_40MHz_Antenna 0



Spurious Emission:30.0~5650 MHz
IEEE 802.11ac_Channel 151_40MHz_Antenna 0



Spurious Emission:5925~25000.0 MHz
IEEE 802.11ac_Channel 151_40MHz_Antenna 0



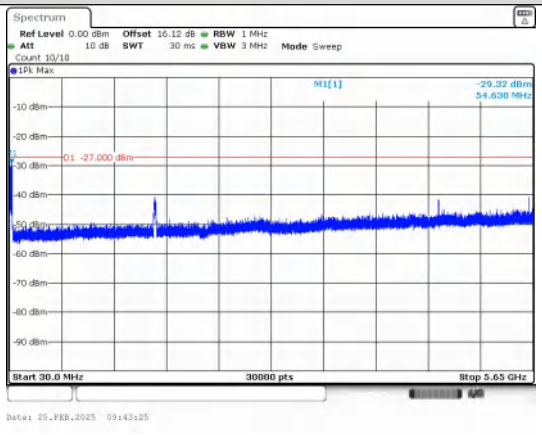
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.600 GHz	5.650 GHz	1.000 MHz	5.63192 GHz	-29.24 dBm	-2.24 dB
5.650 GHz	5.700 GHz	1.000 MHz	5.65559 GHz	-27.96 dBm	-5.10 dB
5.700 GHz	5.720 GHz	1.000 MHz	5.70030 GHz	-30.50 dBm	-40.58 dB
5.720 GHz	5.725 GHz	1.000 MHz	5.72022 GHz	-30.17 dBm	-46.28 dB
5.725 GHz	5.850 GHz	1.000 MHz	5.80854 GHz	9.49 dBm	-17.51 dB
5.850 GHz	5.855 GHz	1.000 MHz	5.85468 GHz	-28.34 dBm	-44.67 dB
5.855 GHz	5.875 GHz	1.000 MHz	5.87371 GHz	-30.22 dBm	-40.58 dB
5.875 GHz	5.925 GHz	1.000 MHz	5.92426 GHz	-30.10 dBm	-3.66 dB
5.925 GHz	5.975 GHz	1.000 MHz	5.95891 GHz	-28.80 dBm	-1.80 dB

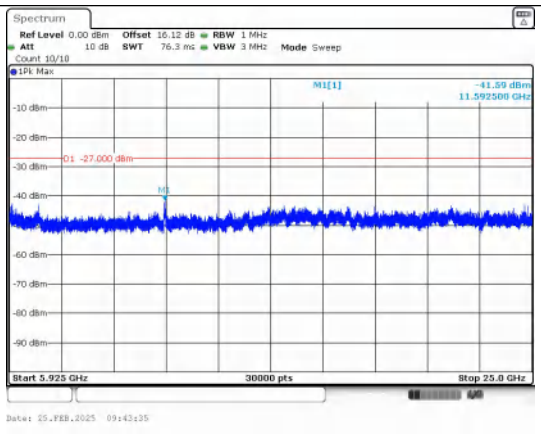
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.725 GHz	-31.46 dBm		
M2		1	5.85 GHz	-29.84 dBm		
M3		1	5.6505476 GHz	-28.56 dBm		
M4		1	5.9589109 GHz	-28.80 dBm		

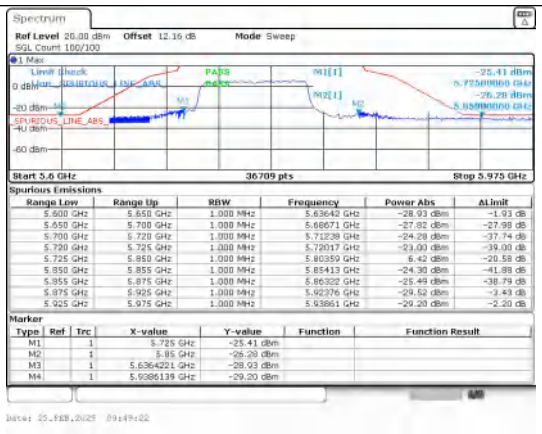
Out Of Band Emission
IEEE 802.11ac_Channel 159_40MHz_Antenna 0



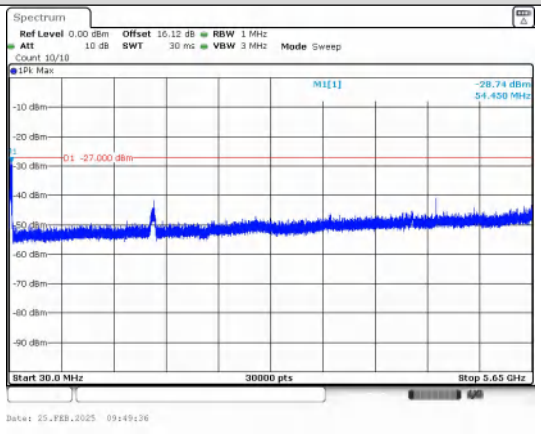
Spurious Emission:30.0~5650 MHz
IEEE 802.11ac_Channel 159_40MHz_Antenna 0



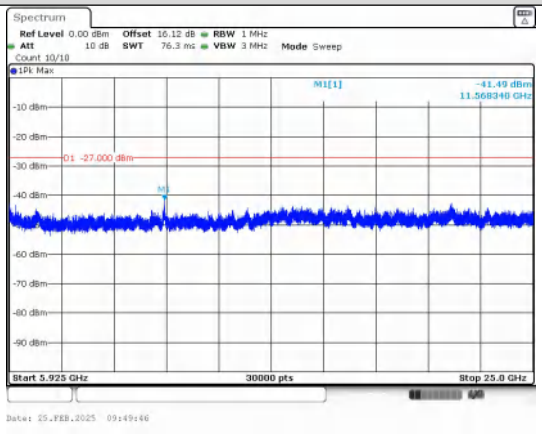
Spurious Emission:5925~25000.0 MHz
IEEE 802.11ac_Channel 159_40MHz_Antenna 0



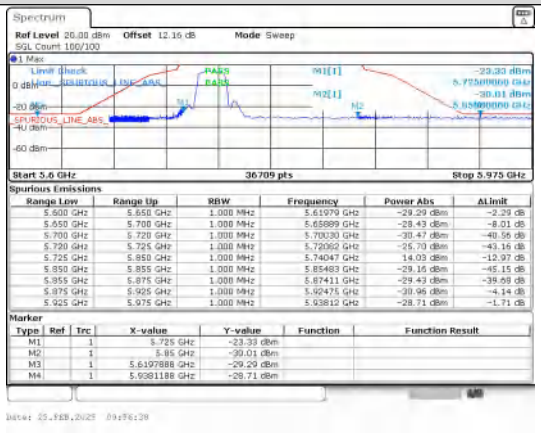
Out Of Band Emission
IEEE 802.11ac_Channel 155_80MHz_Antenna 0



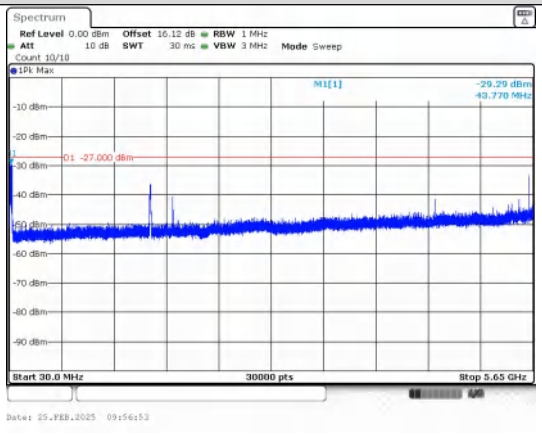
Spurious Emission:30.0~5650 MHz
IEEE 802.11ac_Channel 155_80MHz_Antenna 0



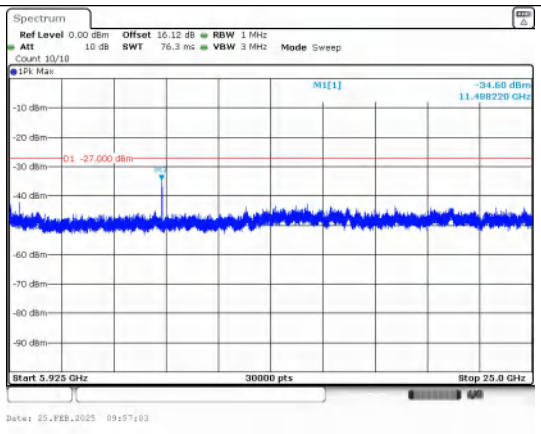
Spurious Emission:5925~25000.0 MHz
IEEE 802.11ac_Channel 155_80MHz_Antenna 0



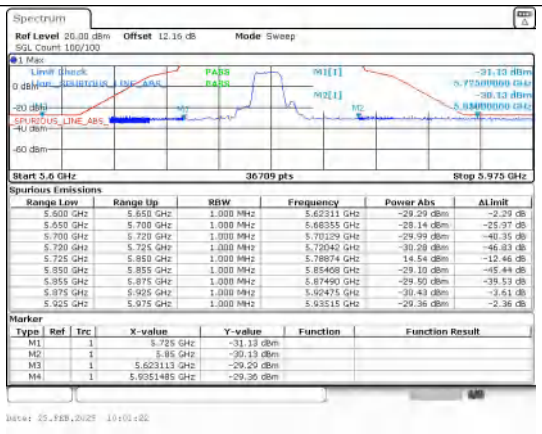
Out Of Band Emission
IEEE 802.11ax_Channel 149_20MHz_Antenna 0_RU&Index SU



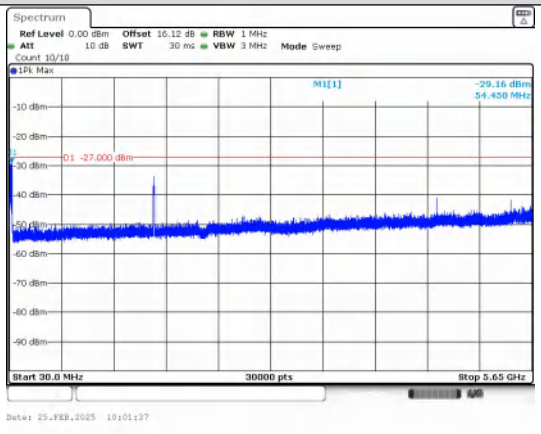
Spurious Emission:30.0~5650 MHz
IEEE 802.11ax_Channel 149_20MHz_Antenna 0_RU&Index SU



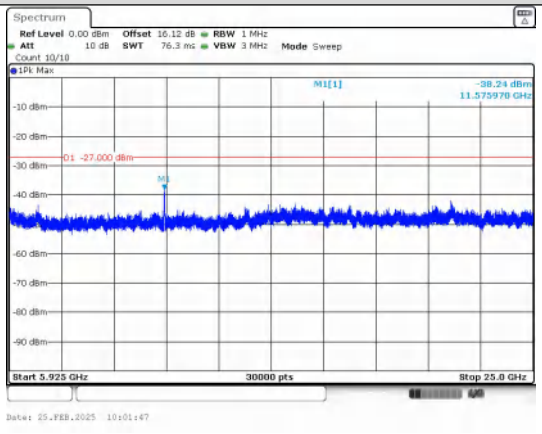
Spurious Emission:5925~25000.0 MHz
IEEE 802.11ax_Channel 149_20MHz_Antenna 0_RU&Index SU



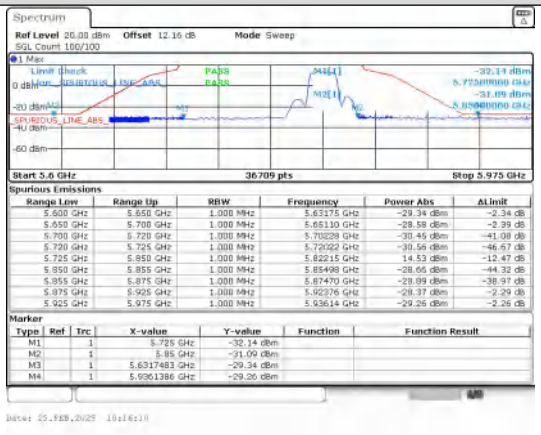
Out Of Band Emission
IEEE 802.11ax_Channel 157_20MHz_Antenna 0_RU&Index SU



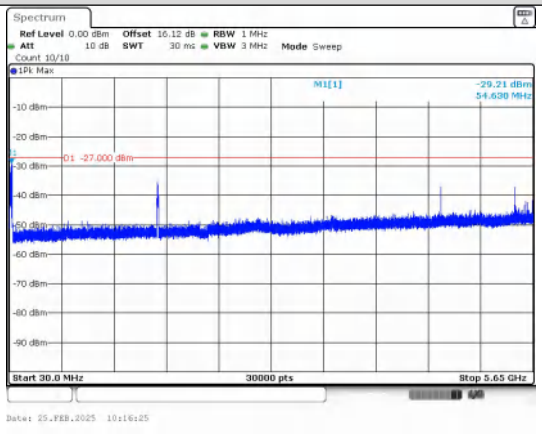
Spurious Emission:30.0~5650 MHz
IEEE 802.11ax_Channel 157_20MHz_Antenna 0_RU&Index SU



Spurious Emission:5925~25000.0 MHz
IEEE 802.11ax_Channel 157_20MHz_Antenna 0_RU&Index SU

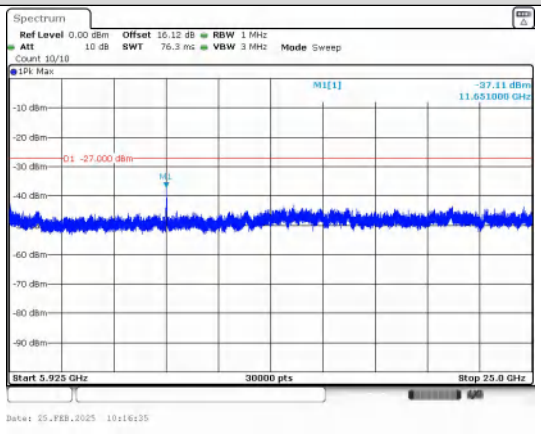


Out Of Band Emission
IEEE 802.11ax_Channel 165_20MHz_Antenna

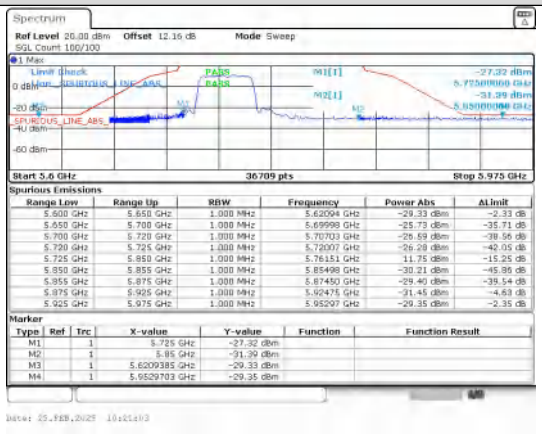


Spurious Emission:30.0~5650 MHz
IEEE 802.11ax_Channel 165_20MHz_Antenna

0_RU&Index SU

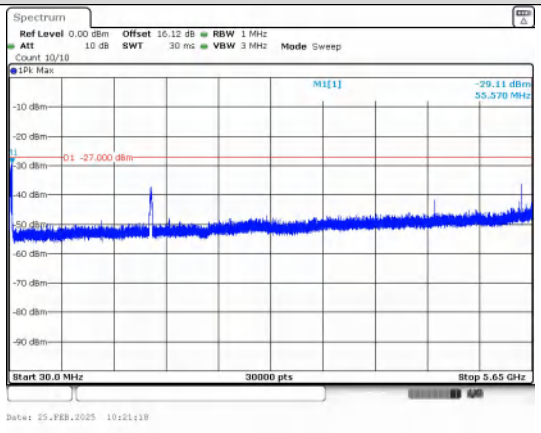


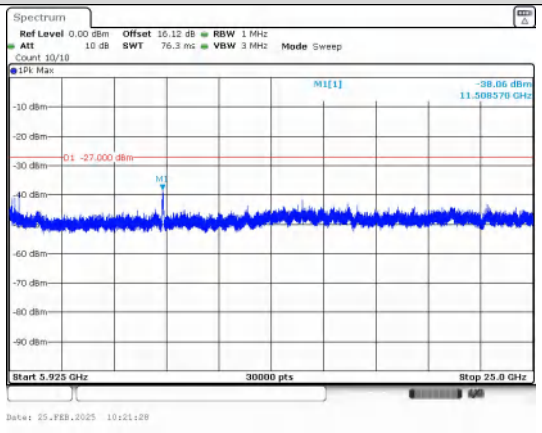
0_RU&Index SU



Spurious Emission:5925~25000.0 MHz
IEEE 802.11ax_Channel 165_20MHz_Antenna
0_RU&Index SU

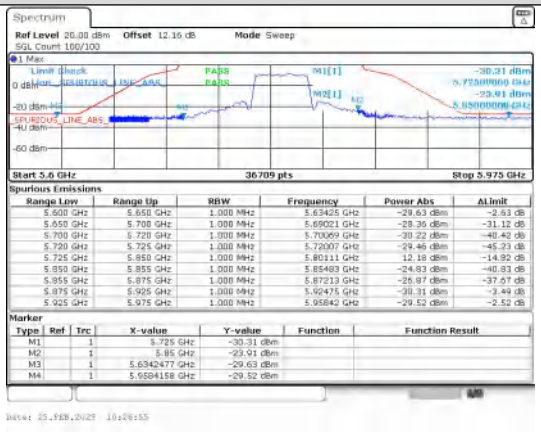
Out Of Band Emission
IEEE 802.11ax_Channel 151_40MHz_Antenna
0_RU&Index SU

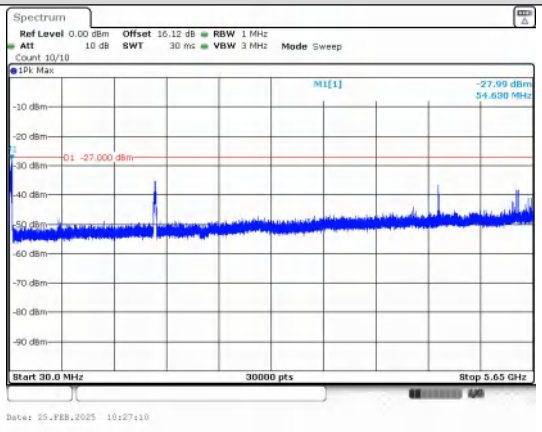




Spurious Emission:30.0~5650 MHz
IEEE 802.11ax_Channel 151_40MHz_Antenna
0_RU&Index SU

Spurious Emission:5925~25000.0 MHz
IEEE 802.11ax_Channel 151_40MHz_Antenna
0_RU&Index SU

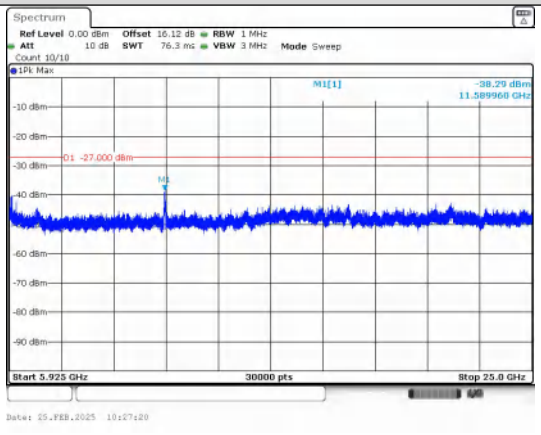




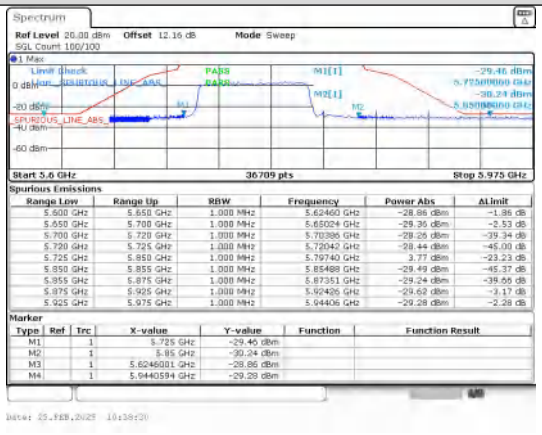
Out Of Band Emission

Spurious Emission:30.0~5650 MHz

IEEE 802.11ax_Channel 159_40MHz_Antenna 0_RU&Index SU

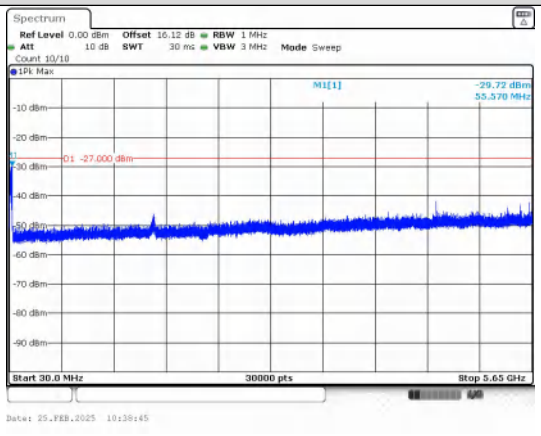


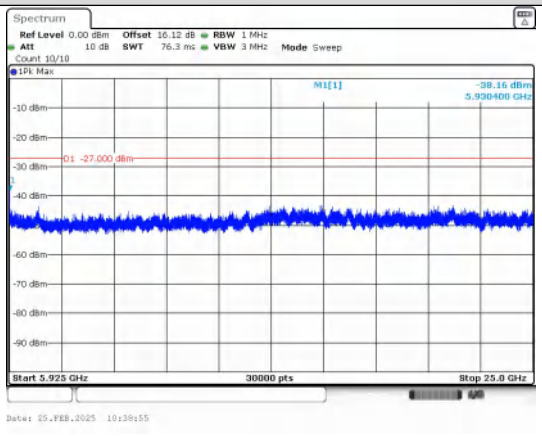
IEEE 802.11ax_Channel 159_40MHz_Antenna 0_RU&Index SU



Spurious Emission:5925~25000.0 MHz
IEEE 802.11ax_Channel 159_40MHz_Antenna 0_RU&Index SU

Out Of Band Emission
IEEE 802.11ax_Channel 155_80MHz_Antenna 0_RU&Index SU





Spurious Emission:30.0~5650 MHz
IEEE 802.11ax_Channel 155_80MHz_Antenna 0_RU&Index SU

Spurious Emission:5925~25000.0 MHz
IEEE 802.11ax_Channel 155_80MHz_Antenna 0_RU&Index SU

------End of the report-----