

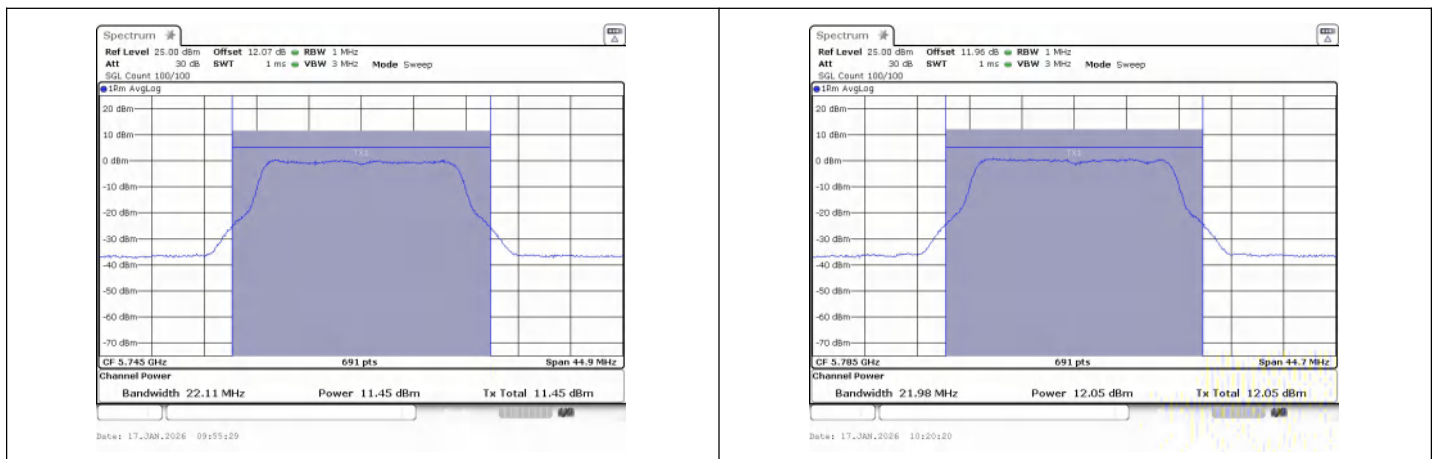
Appendix Report

1) Conducted Output Power

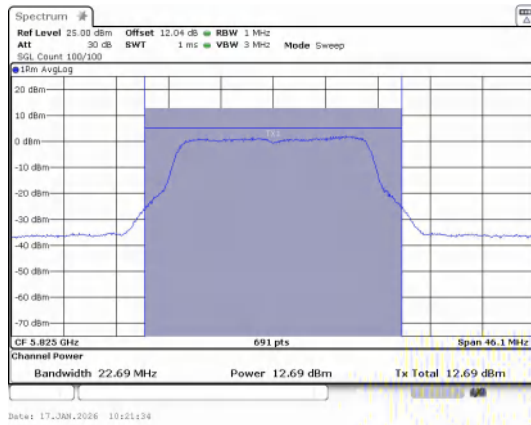
Conducted output power

Mode	Channel	RU & Index	Ant. 0 (dBm)	Corr'd Value Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11a	149	N/A	11.45	11.78	≤30	PASS
	157		12.05	12.38	≤30	PASS
	165		12.69	13.01	≤30	PASS
IEEE 802.11n_20	149		11.34	11.65	≤30	PASS
	157		12.63	12.95	≤30	PASS
	165		12.26	12.57	≤30	PASS
IEEE 802.11n_40	151		11.82	13.23	≤30	PASS
	159		11.46	12.87	≤30	PASS
IEEE 802.11ac_20	149		14.00	14.3	≤30	PASS
	157		14.21	14.52	≤30	PASS
	165		14.37	14.68	≤30	PASS
IEEE 802.11ac_40	151		12.27	12.62	≤30	PASS
	159		11.50	11.85	≤30	PASS
IEEE 802.11ac_80	155		9.29	9.3	≤30	PASS
IEEE 802.11ax_20	149	SU	11.10	11.68	≤30	PASS
	157		11.67	12.25	≤30	PASS
	165		14.17	14.75	≤30	PASS
IEEE 802.11ax_40	151		10.26	10.95	≤30	PASS
	159		11.37	12.05	≤30	PASS
IEEE 802.11ax_80	155		8.56	8.57	≤30	PASS

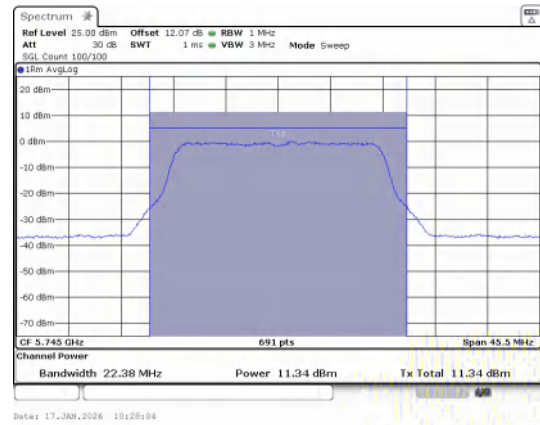
Note: Corrected Value = Antenna Power + Duty Cycle Factor.



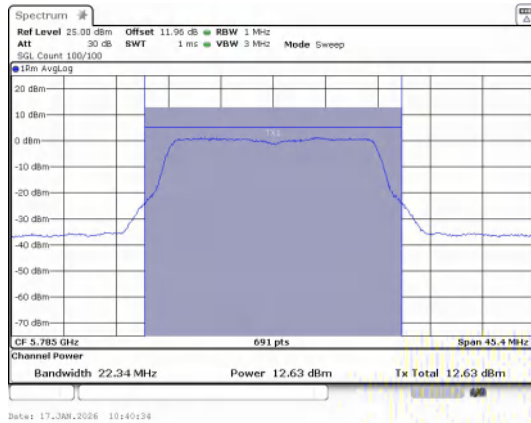
Conducted AVG output power
IEEE 802.11a_Channel 149_Antenna 0



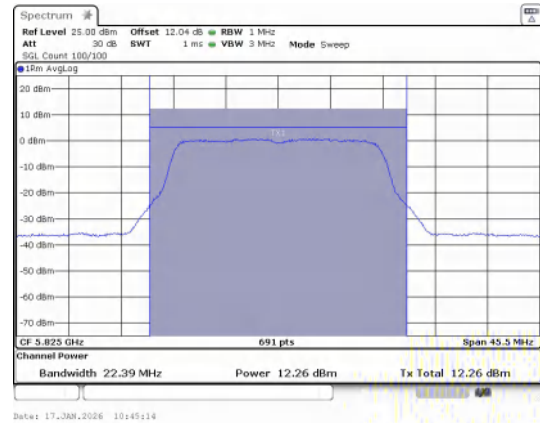
Conducted AVG output power
IEEE 802.11a_Channel 157_Antenna 0



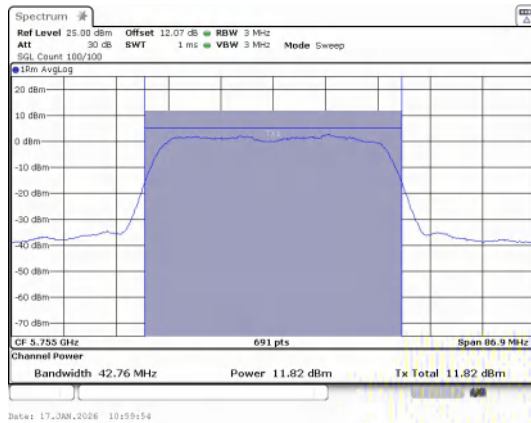
Conducted AVG output power
IEEE 802.11a_Channel 165_Antenna 0



Conducted AVG output power
IEEE 802.11n_20_Channel 149_Antenna 0



Conducted AVG output power
IEEE 802.11n_20_Channel 157_Antenna 0

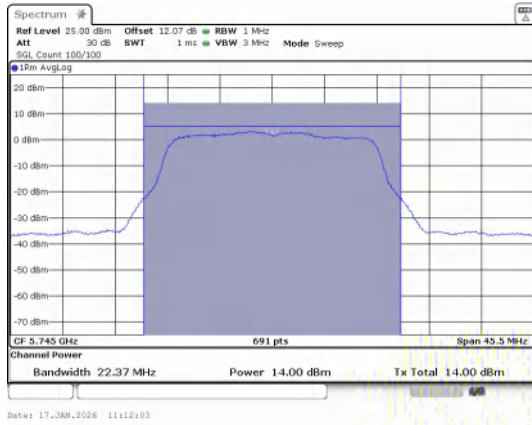


Conducted AVG output power
IEEE 802.11n_20_Channel 165_Antenna 0

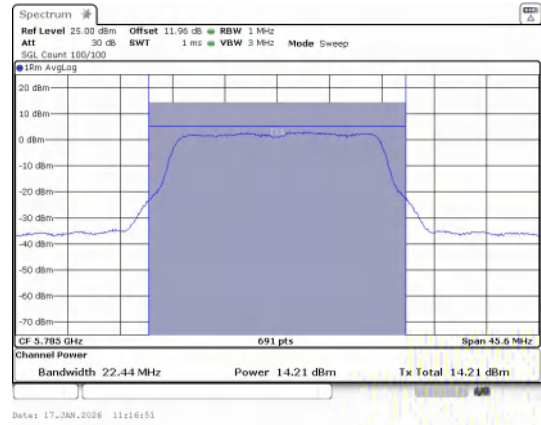


Conducted AVG output power
IEEE 802.11n_40_Channel 151_Antenna 0

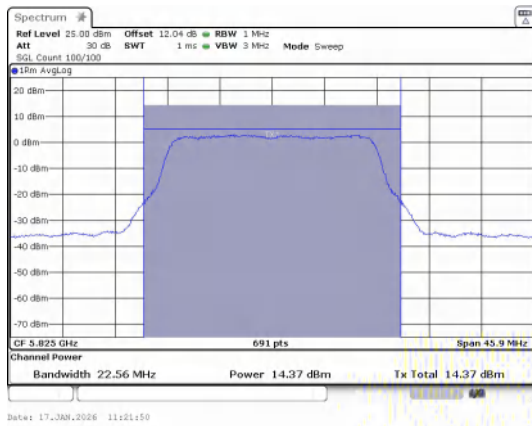
Conducted AVG output power
IEEE 802.11n_40_Channel 159_Antenna 0



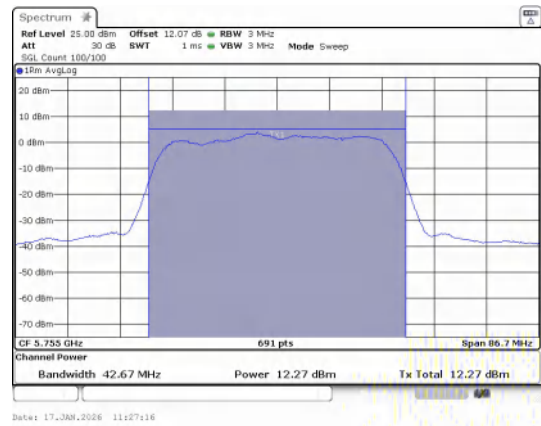
Conducted AVG output power
IEEE 802.11ac_20_Channel 149_Antenna 0



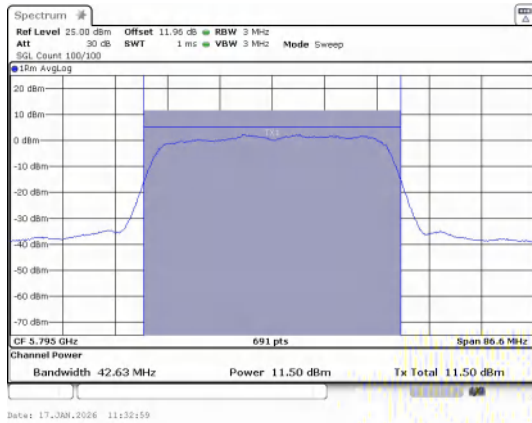
Conducted AVG output power
IEEE 802.11ac_20_Channel 157_Antenna 0



Conducted AVG output power
IEEE 802.11ac_20_Channel 165_Antenna 0



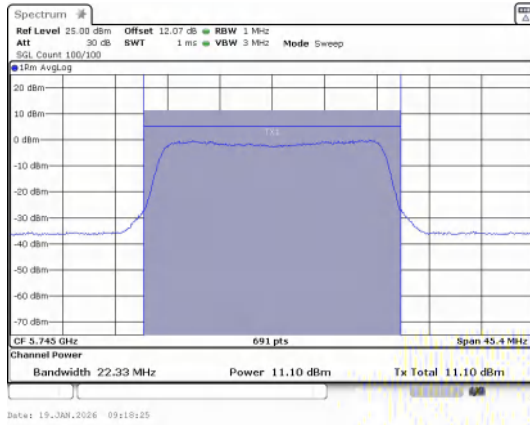
Conducted AVG output power
IEEE 802.11ac_40_Channel 151_Antenna 0



Conducted AVG output power
IEEE 802.11ac_40_Channel 159_Antenna 0

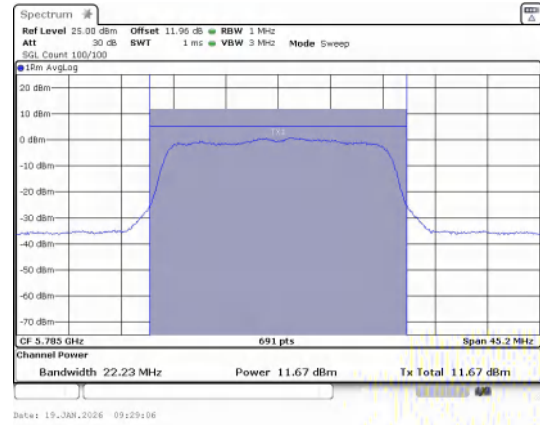


Conducted AVG output power
IEEE 802.11ac_80_Channel 155_Antenna 0



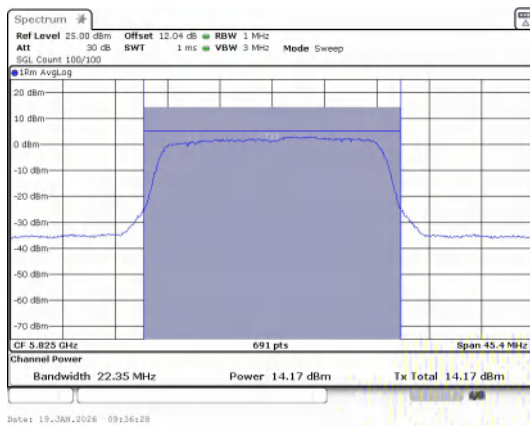
Conducted AVG output power

IEEE 802.11ax_20_Channel 149_Antenna 0_RU&Index SU



Conducted AVG output power

IEEE 802.11ax_20_Channel 157_Antenna 0_RU&Index SU



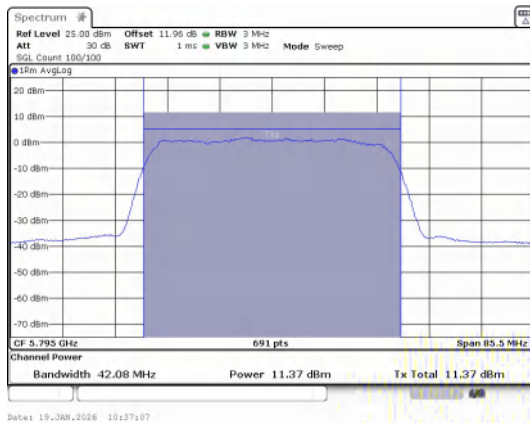
Conducted AVG output power

IEEE 802.11ax_20_Channel 165_Antenna 0_RU&Index SU



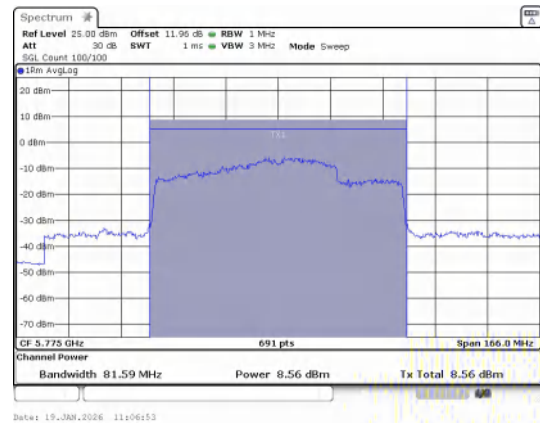
Conducted AVG output power

IEEE 802.11ax_40_Channel 151_Antenna 0_RU&Index SU



Conducted AVG output power

IEEE 802.11ax_40_Channel 159_Antenna 0_RU&Index SU



Conducted AVG output power

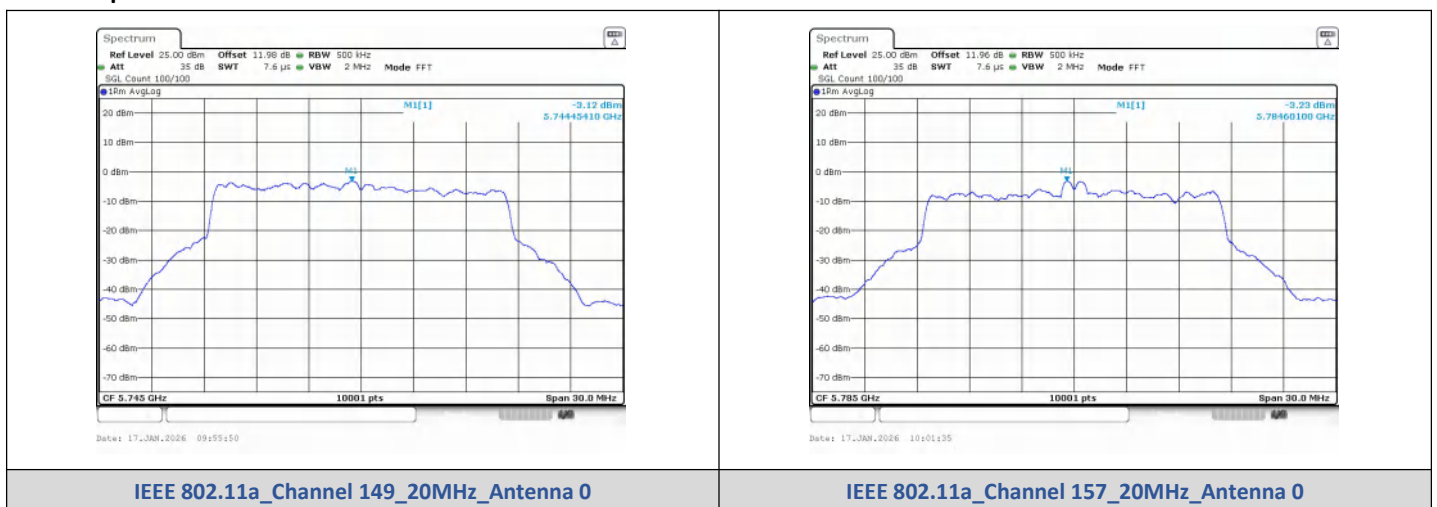
IEEE 802.11ax_80_Channel 155_Antenna 0_RU&Index SU

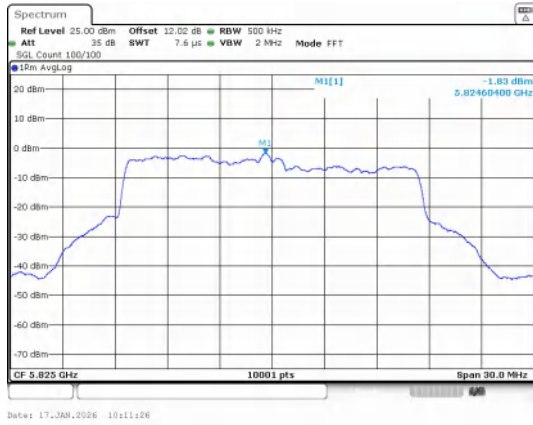
2) Power Spectral Density

Test Result

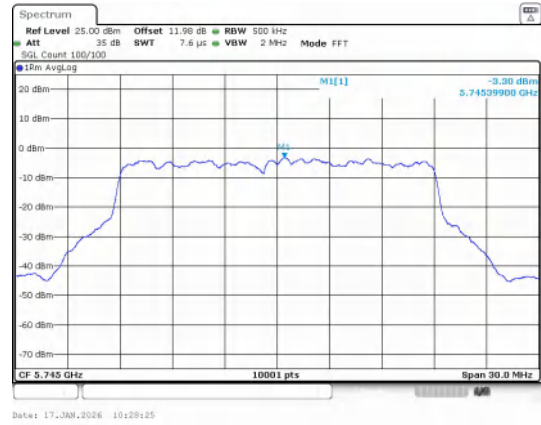
Mode	Channel	RU & Index	Ant. 0 Meas PSD (dBm/500kHz)	Ant. 0 Corr'd PSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
IEEE 802.11a	149	N/A	-3.120	-2.791	30	PASS
	157		-3.230	-2.901		PASS
	165		-1.830	-1.501		PASS
IEEE 802.11n_20	149		-3.300	-2.988		PASS
	157		-4.130	-3.818		PASS
	165		-3.110	-2.798		PASS
IEEE 802.11n_40	151		-2.440	-1.033		PASS
	159		-2.270	-0.863		PASS
IEEE 802.11ac_20	149		-0.190	0.119		PASS
	157		-0.640	-0.331		PASS
	165		0.560	0.869		PASS
IEEE 802.11ac_40	151		-2.780	-2.432		PASS
	159		-2.870	-2.522		PASS
IEEE 802.11ac_80	155		-9.230	-9.229		PASS
IEEE 802.11ax_20	149	SU	-3.340	-2.765		PASS
	157		-1.780	-1.205		PASS
	165		-0.110	0.465		PASS
IEEE 802.11ax_40	151		-5.440	-4.756		PASS
	159		-5.050	-4.366		PASS
IEEE 802.11ax_80	155		-8.820	-8.816		PASS

Test Graphs

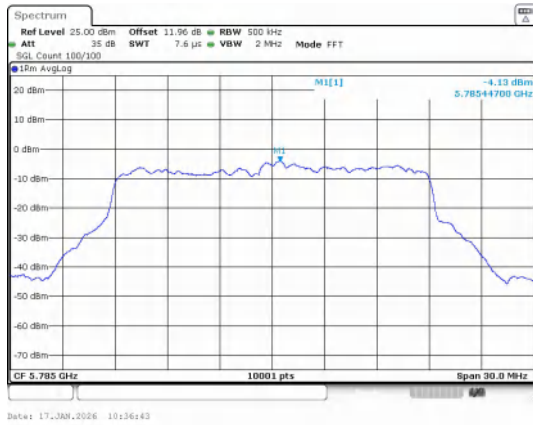




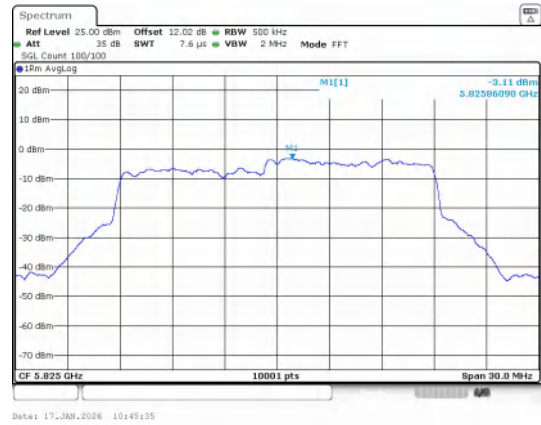
IEEE 802.11a_Channel 165_20MHz_Antenna 0



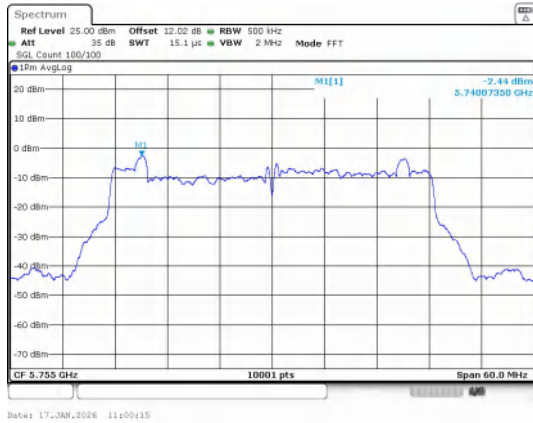
IEEE 802.11n_Channel 149_20MHz_Antenna 0



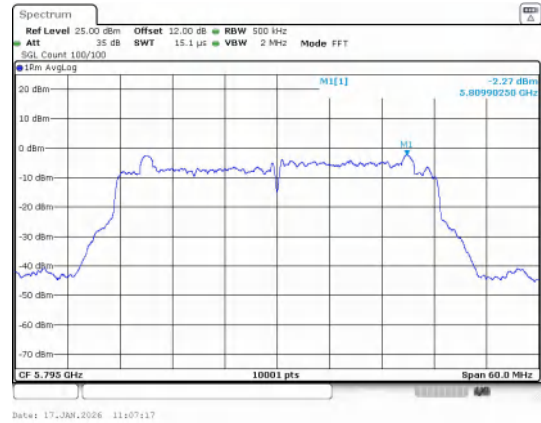
IEEE 802.11n_Channel 157_20MHz_Antenna 0



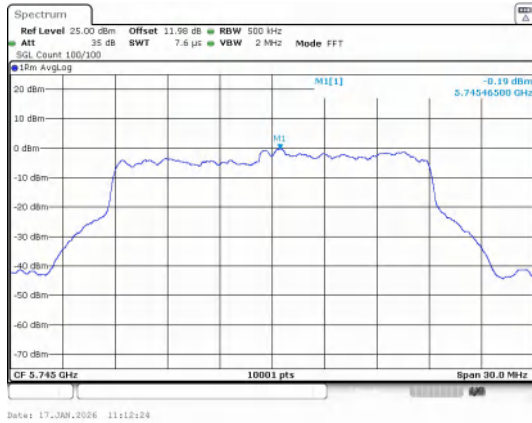
IEEE 802.11n_Channel 165_20MHz_Antenna 0



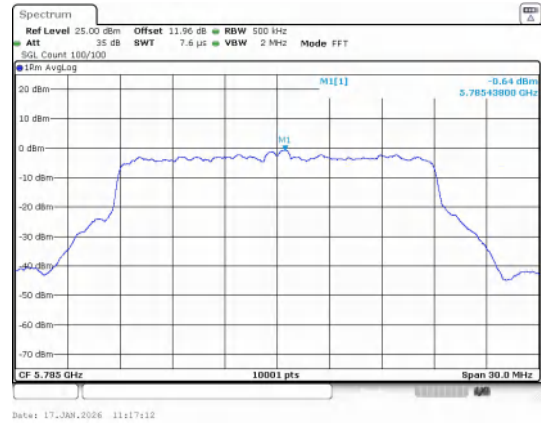
IEEE 802.11n_Channel 151_40MHz_Antenna 0



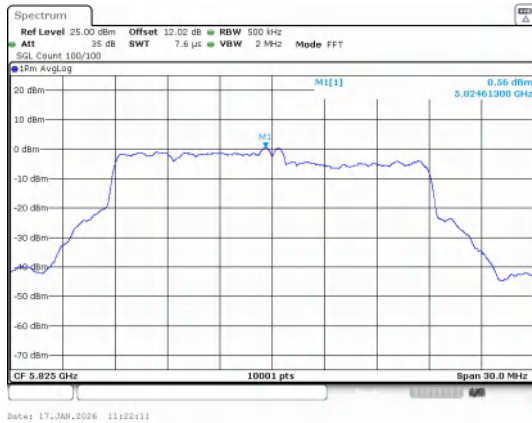
IEEE 802.11n_Channel 159_40MHz_Antenna 0



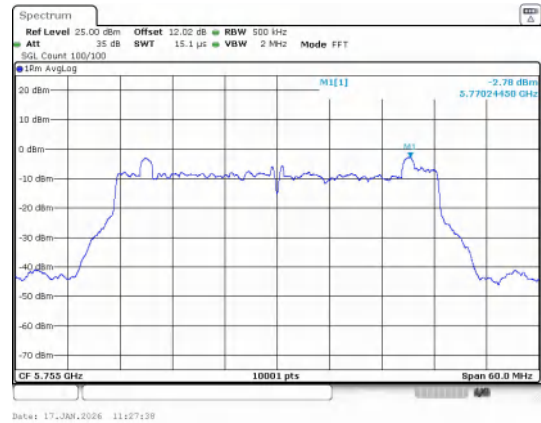
IEEE 802.11ac_Channel 149_20MHz_Antenna 0



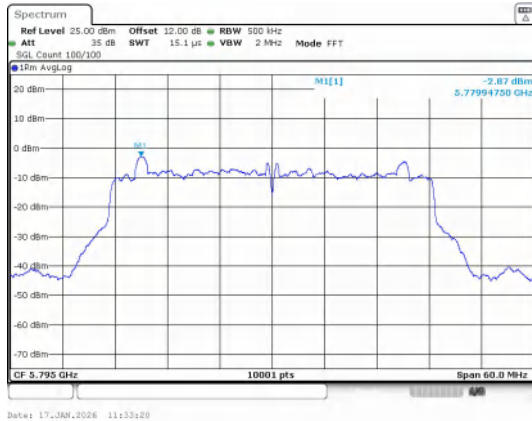
IEEE 802.11ac_Channel 157_20MHz_Antenna 0



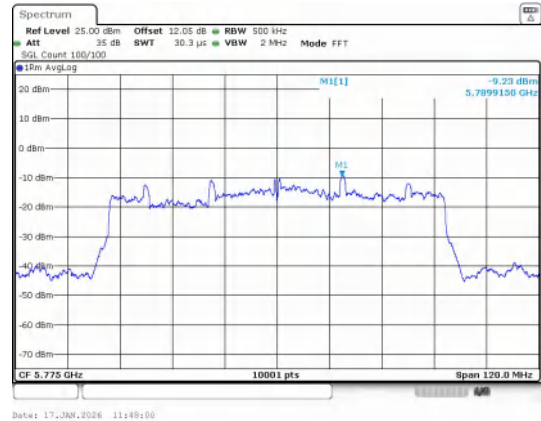
IEEE 802.11ac_Channel 165_20MHz_Antenna 0



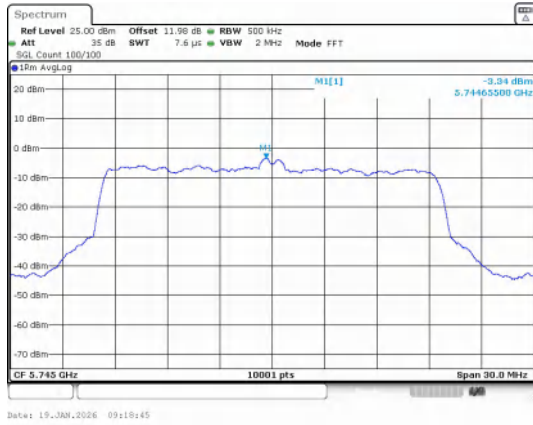
IEEE 802.11ac_Channel 151_40MHz_Antenna 0



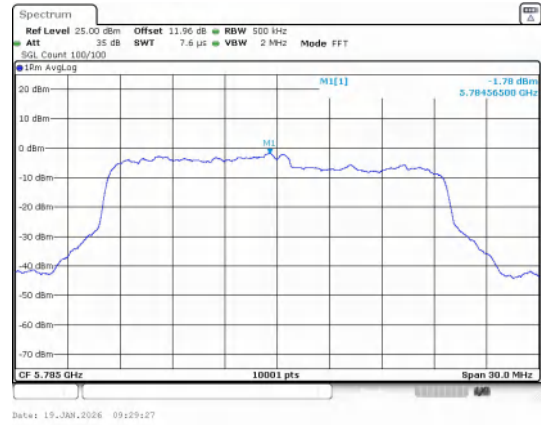
IEEE 802.11ac_Channel 159_40MHz_Antenna 0



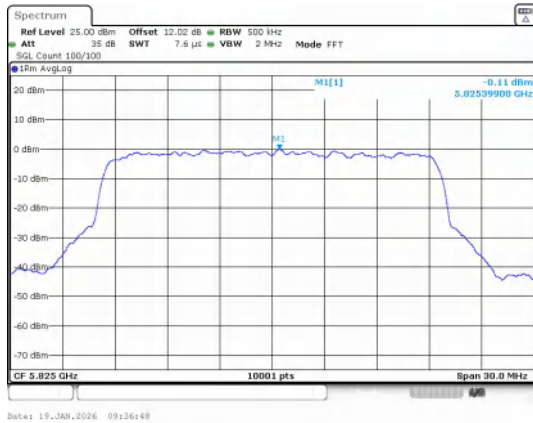
IEEE 802.11ac_Channel 155_80MHz_Antenna 0



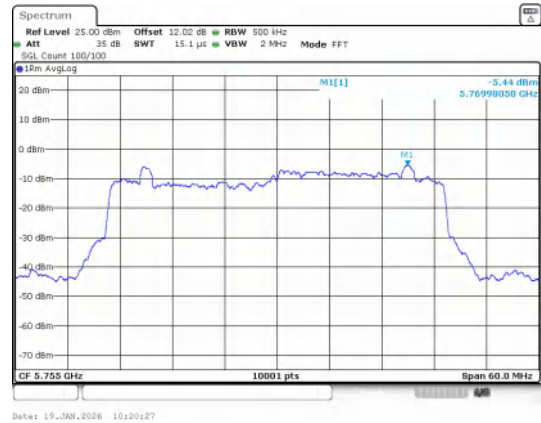
IEEE 802.11ax_Channel 149_20MHz_Antenna 0_RU&Index SU



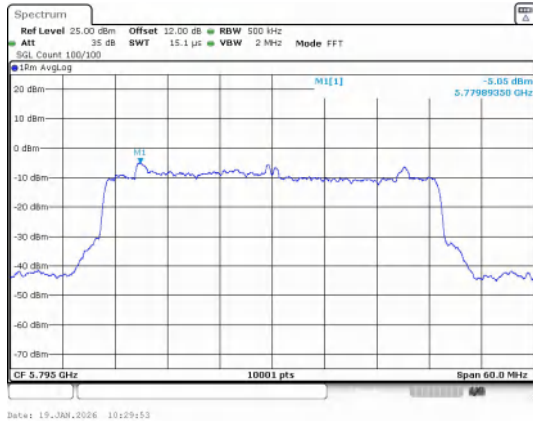
IEEE 802.11ax_Channel 157_20MHz_Antenna 0_RU&Index SU



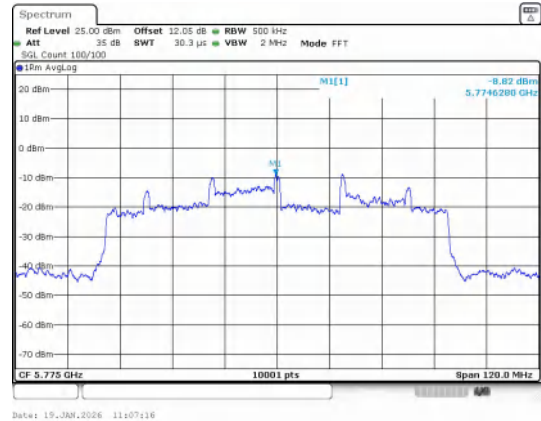
IEEE 802.11ax_Channel 165_20MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 151_40MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 159_40MHz_Antenna 0_RU&Index SU



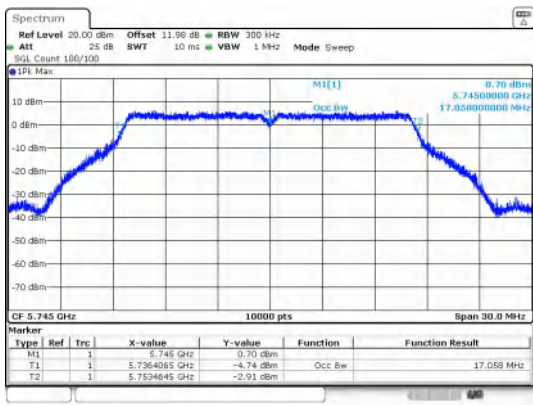
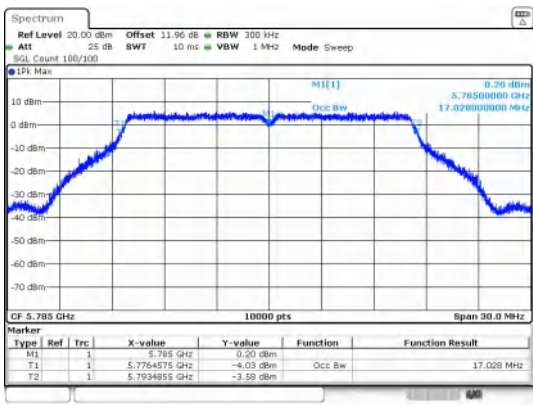
IEEE 802.11ax_Channel 155_80MHz_Antenna 0_RU&Index SU

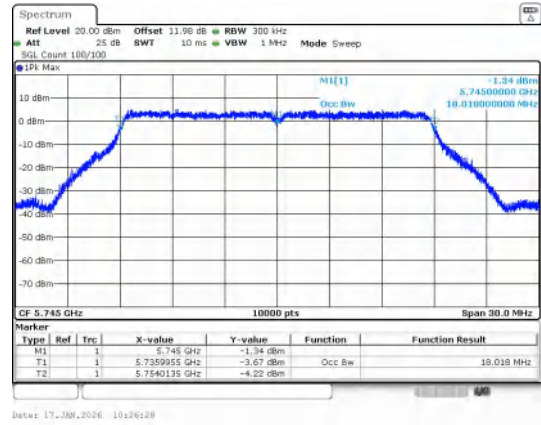
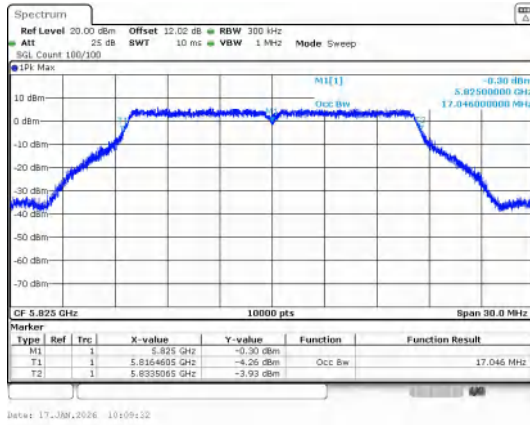
3) 99% Bandwidth

Test Result

Mode	Channel	RU & Index	Ant.	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11a	149	N/A	0	5745	17.058
	157			5785	17.028
	165			5825	17.046
IEEE 802.11n_20	149			5745	18.018
	157			5785	18.018
	165			5825	18.045
IEEE 802.11n_40	151			5755	36.678
	159			5795	36.612
IEEE 802.11ac_20	149			5745	18.033
	157			5785	18.009
	165			5825	18.033
IEEE 802.11ac_40	151			5755	36.666
	159			5795	36.618
IEEE 802.11ac_80	155			5775	75.144
IEEE 802.11ax_20	149	SU	5745	19.056	
	157		5785	19.038	
	165		5825	19.059	
IEEE 802.11ax_40	151		5755	37.890	
	159		5795	37.860	
IEEE 802.11ax_80	155		5775	76.812	

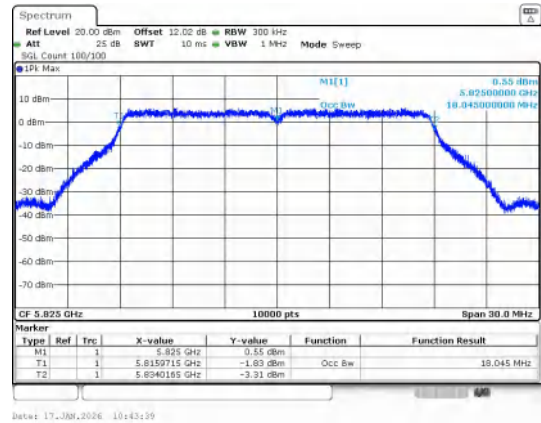
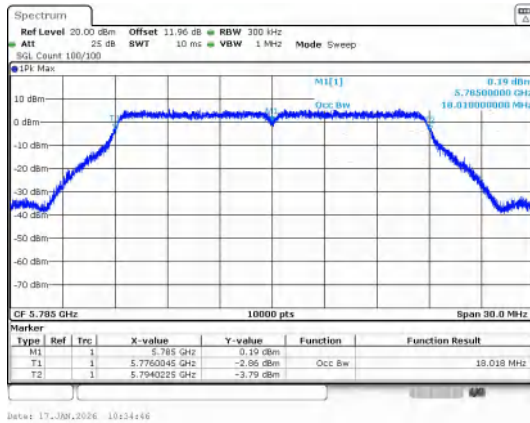
Test Graphs

 IEEE 802.11a_Channel 149_20MHz_Antenna 0	 IEEE 802.11a_Channel 157_20MHz_Antenna 0
---	--



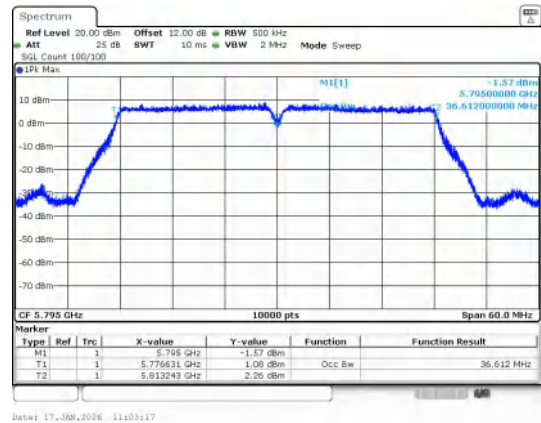
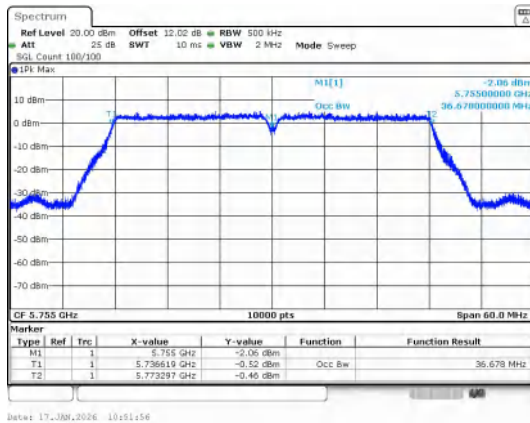
IEEE 802.11a_Channel 165_20MHz_Antenna 0

IEEE 802.11n_Channel 149_20MHz_Antenna 0



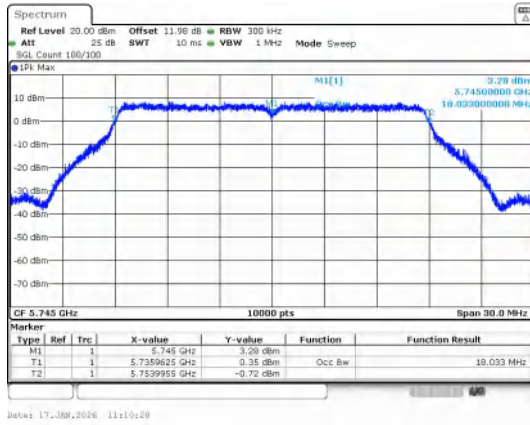
IEEE 802.11a_Channel 157_20MHz_Antenna 0

IEEE 802.11n_Channel 165_20MHz_Antenna 0

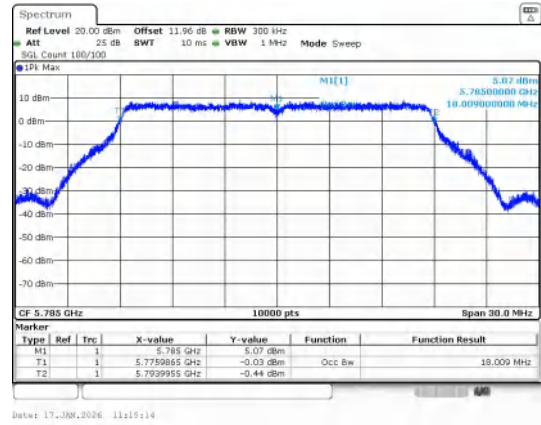


IEEE 802.11a_Channel 151_40MHz_Antenna 0

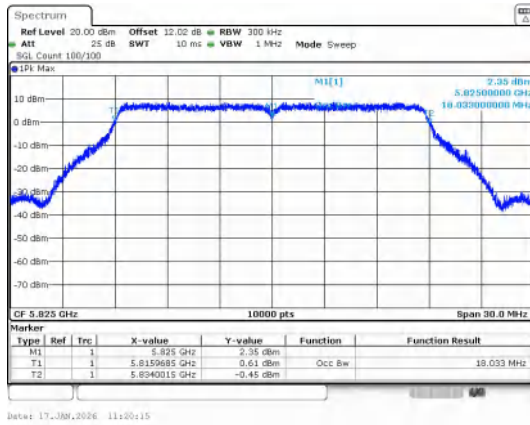
IEEE 802.11n_Channel 159_40MHz_Antenna 0



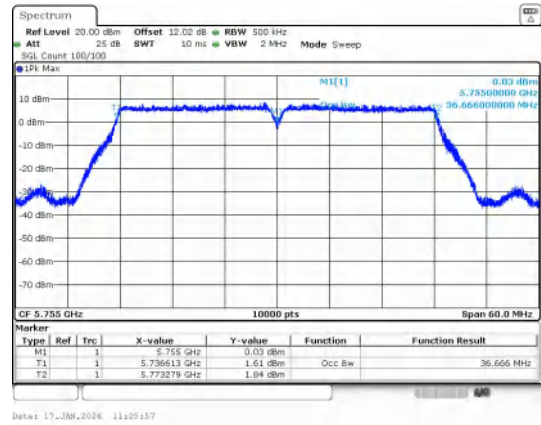
IEEE 802.11ac_Channel 149_20MHz_Antenna 0



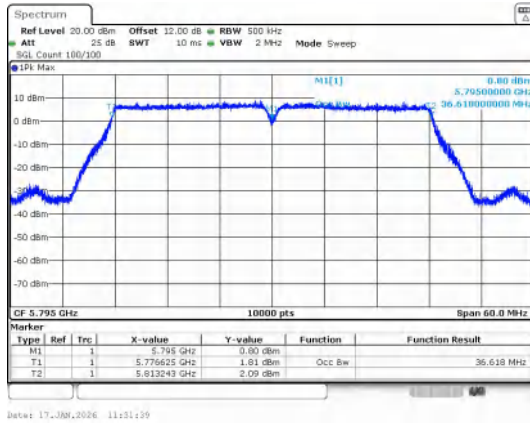
IEEE 802.11ac_Channel 157_20MHz_Antenna 0



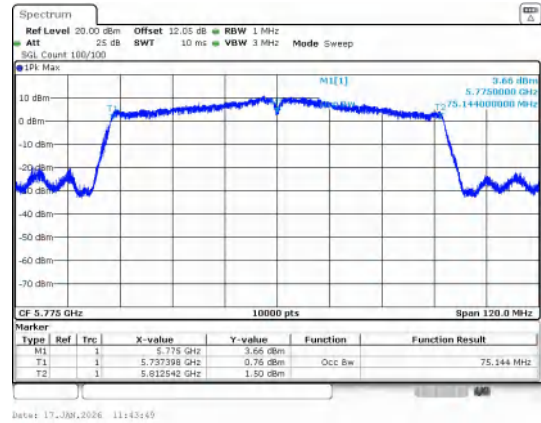
IEEE 802.11ac_Channel 165_20MHz_Antenna 0



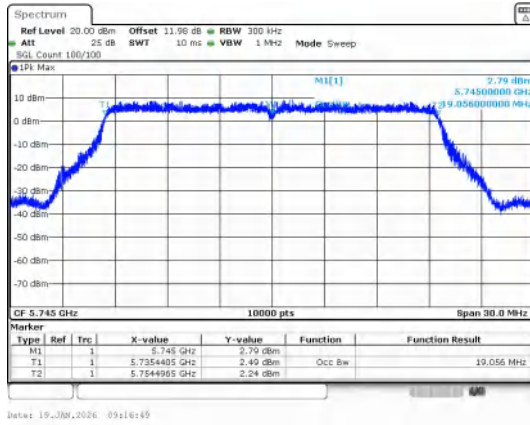
IEEE 802.11ac_Channel 151_40MHz_Antenna 0



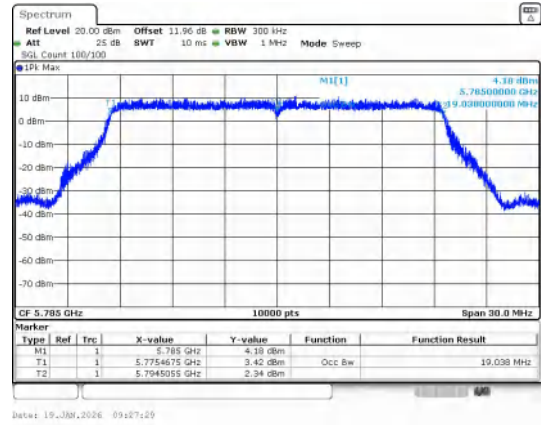
IEEE 802.11ac_Channel 159_40MHz_Antenna 0



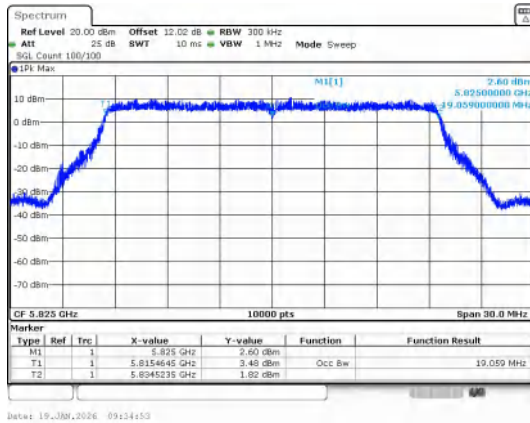
IEEE 802.11ac_Channel 155_80MHz_Antenna 0



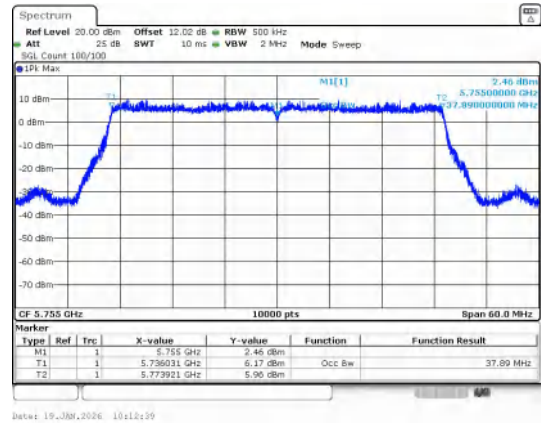
IEEE 802.11ax_Channel 149_20MHz_Antenna 0_RU&Index SU



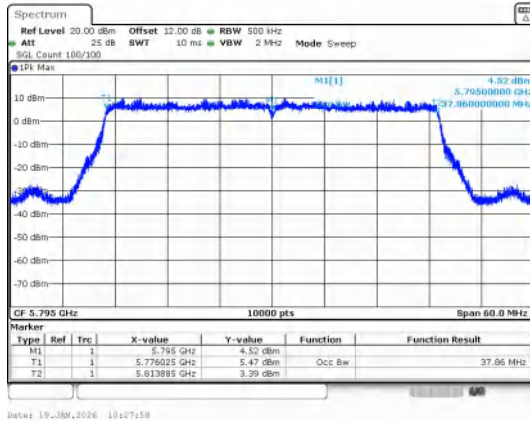
IEEE 802.11ax_Channel 157_20MHz_Antenna 0_RU&Index SU



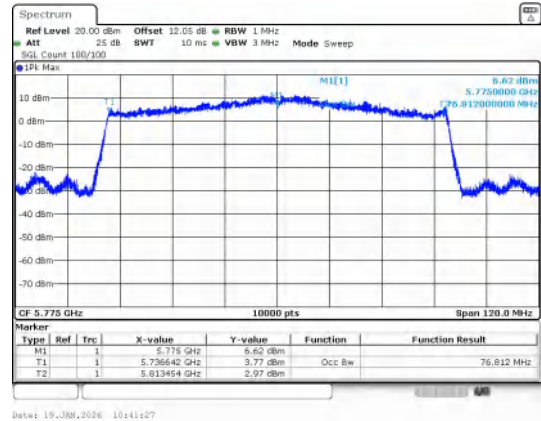
IEEE 802.11ax_Channel 165_20MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 151_40MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 159_40MHz_Antenna 0_RU&Index SU



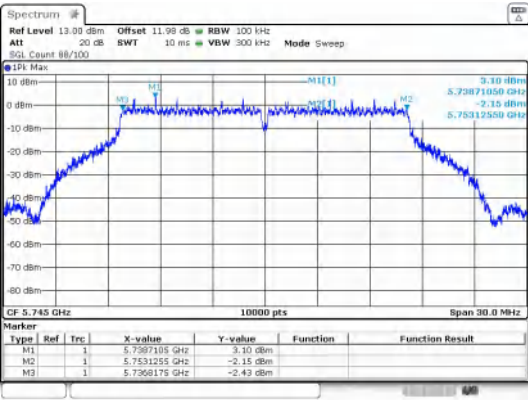
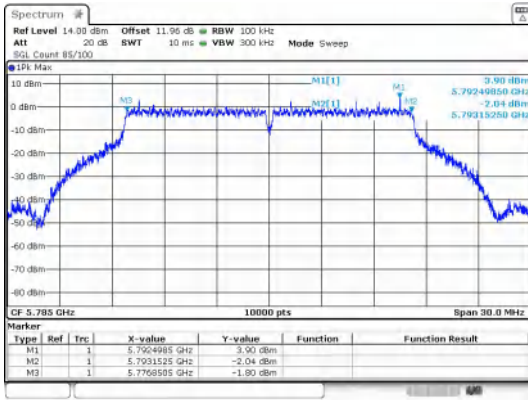
IEEE 802.11ax_Channel 155_80MHz_Antenna 0_RU&Index SU

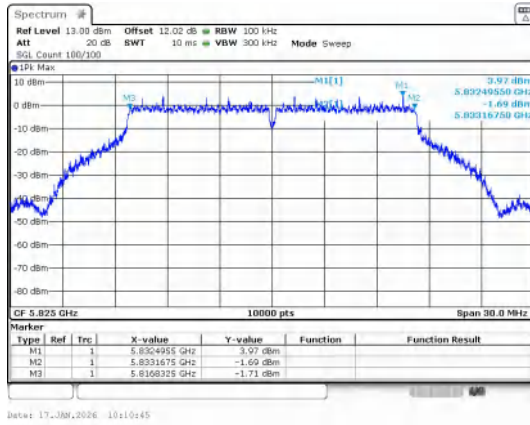
4) 6dB Bandwidth

Test Result

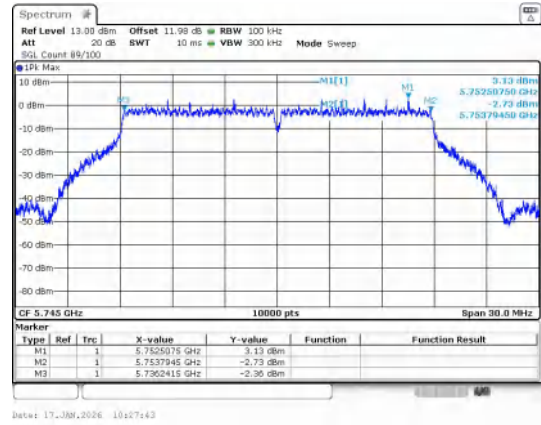
Mode	Channel	RU & Index	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11a	149	N/A	0	5745	16.31	≥0.5	PASS
	157			5785	16.30		PASS
	165			5825	16.34		PASS
IEEE 802.11n_20	149			5745	17.55		PASS
	157			5785	17.53		PASS
	165			5825	17.54		PASS
IEEE 802.11n_40	151			5755	36.31		PASS
	159			5795	36.30		PASS
IEEE 802.11ac_20	149			5745	17.54		PASS
	157			5785	17.34		PASS
	165			5825	17.53		PASS
IEEE 802.11ac_40	151			5755	36.33		PASS
	159			5795	36.31		PASS
IEEE 802.11ac_80	155			5775	51.27		PASS
IEEE 802.11ax_20	149	SU	5745	18.70	PASS		
	157		5785	18.82	PASS		
	165		5825	18.84	PASS		
IEEE 802.11ax_40	151		5755	37.94	PASS		
	159		5795	37.84	PASS		
IEEE 802.11ax_80	155		5775	52.52	PASS		

Test Graphs

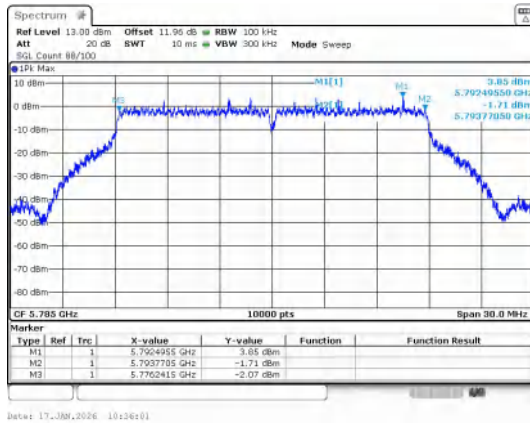
 IEEE 802.11a_Channel 149_20MHz_Antenna 0	 IEEE 802.11a_Channel 157_20MHz_Antenna 0
---	--



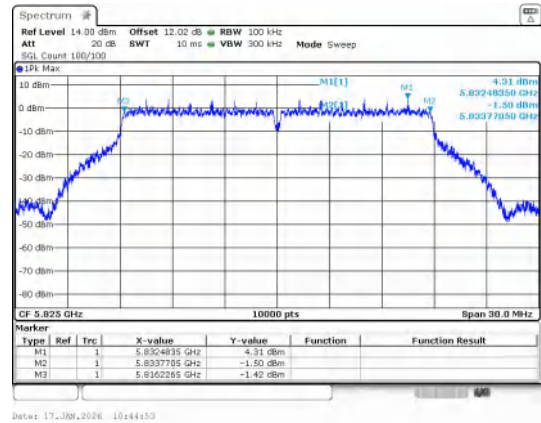
IEEE 802.11a_Channel 165_20MHz_Antenna 0



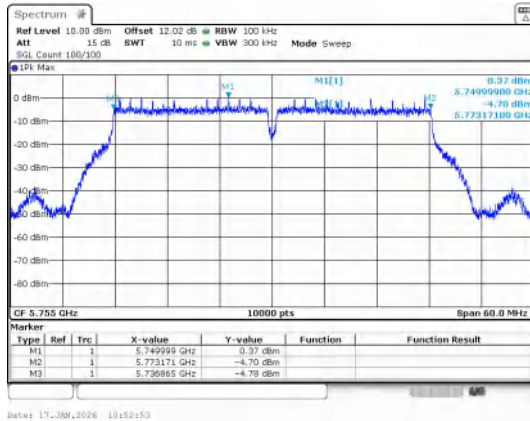
IEEE 802.11n_Channel 149_20MHz_Antenna 0



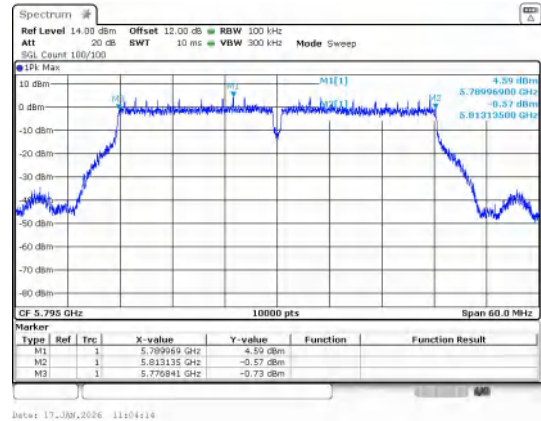
IEEE 802.11n_Channel 157_20MHz_Antenna 0



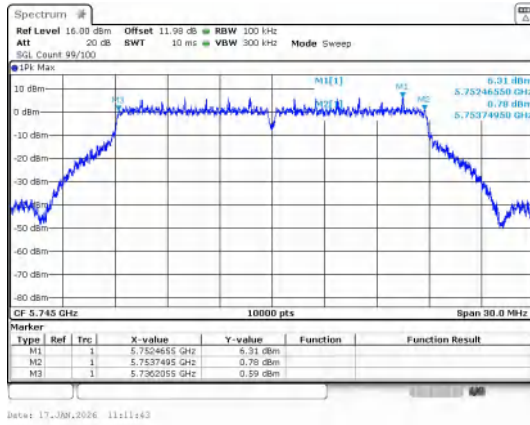
IEEE 802.11n_Channel 165_20MHz_Antenna 0



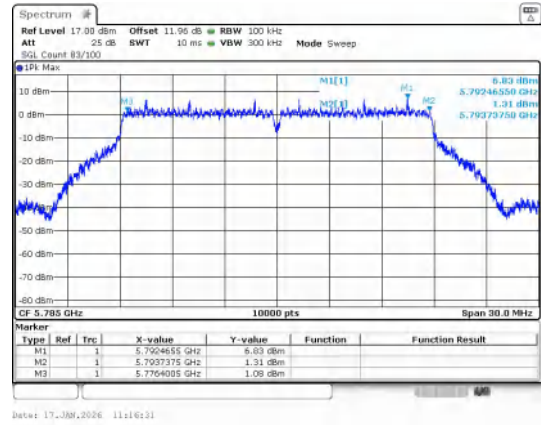
IEEE 802.11n_Channel 151_40MHz_Antenna 0



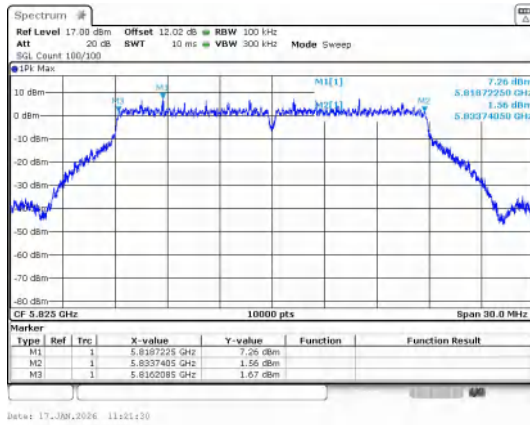
IEEE 802.11n_Channel 159_40MHz_Antenna 0



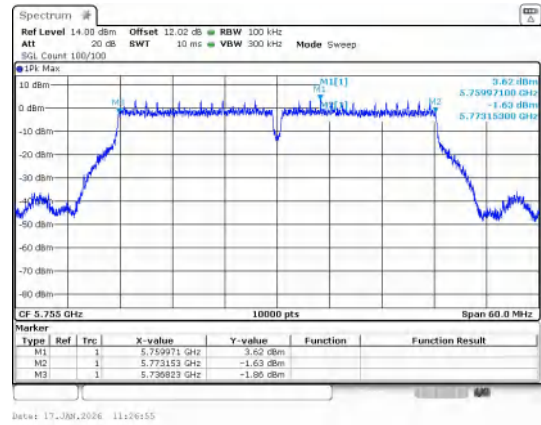
IEEE 802.11ac_Channel 149_20MHz_Antenna 0



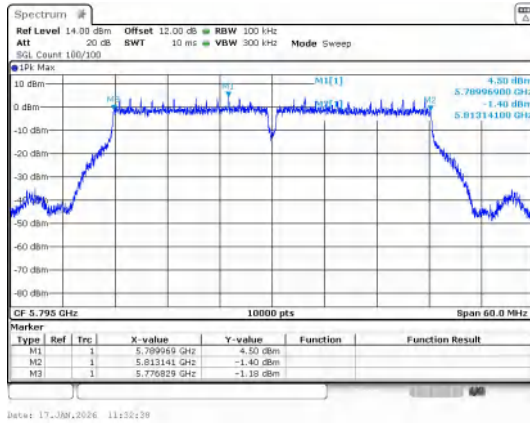
IEEE 802.11ac_Channel 157_20MHz_Antenna 0



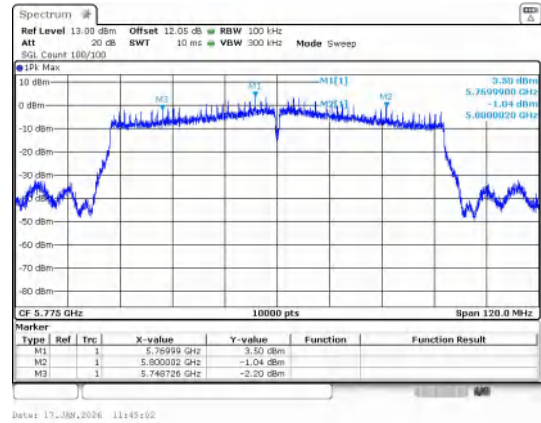
IEEE 802.11ac_Channel 165_20MHz_Antenna 0



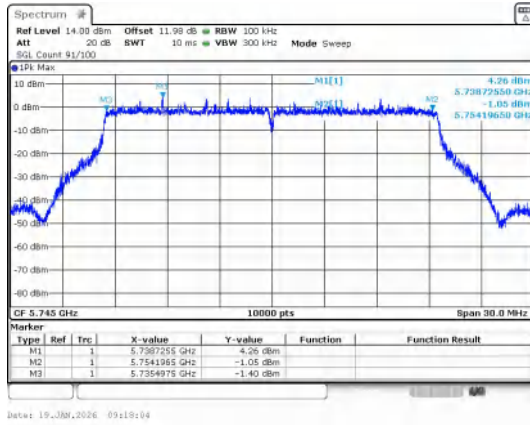
IEEE 802.11ac_Channel 151_40MHz_Antenna 0



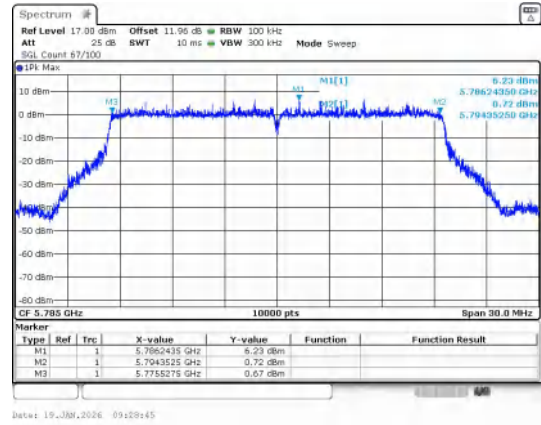
IEEE 802.11ac_Channel 159_40MHz_Antenna 0



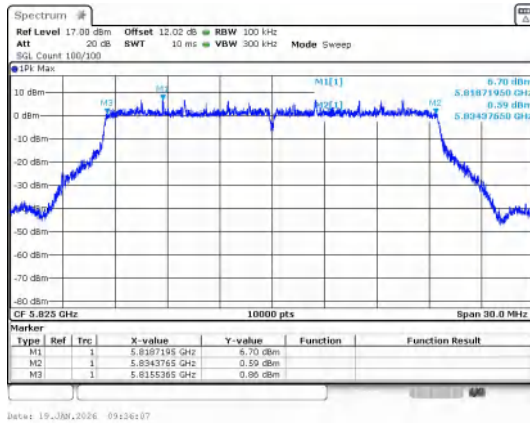
IEEE 802.11ac_Channel 155_80MHz_Antenna 0



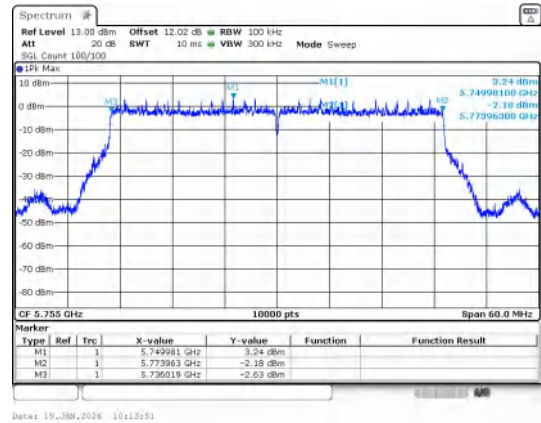
IEEE 802.11ax_Channel 149_20MHz_Antenna 0_RU&Index SU



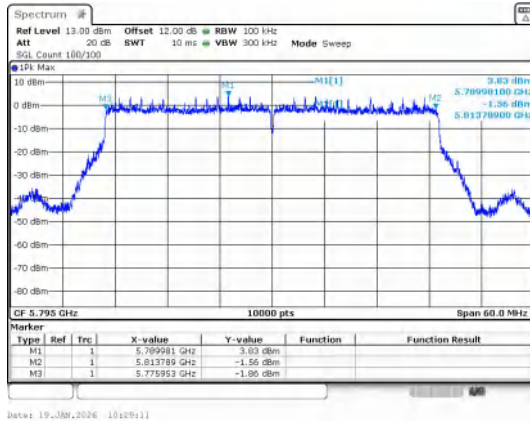
IEEE 802.11ax_Channel 157_20MHz_Antenna 0_RU&Index SU



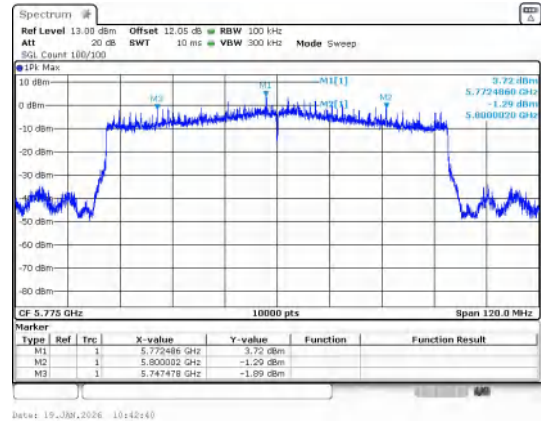
IEEE 802.11ax_Channel 165_20MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 151_40MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 159_40MHz_Antenna 0_RU&Index SU



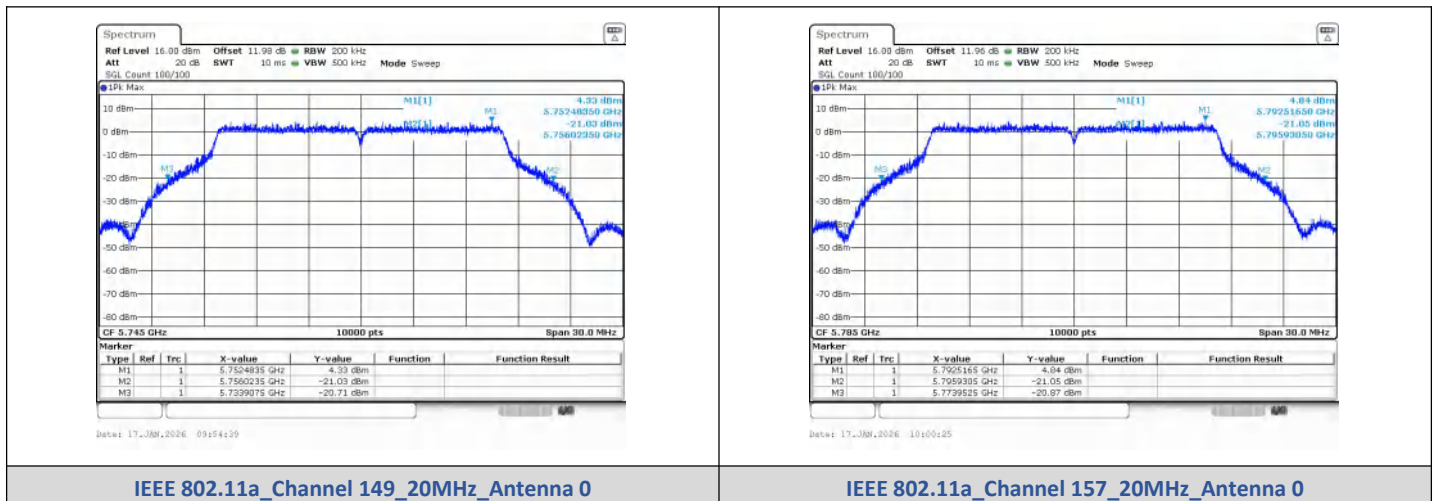
IEEE 802.11ax_Channel 155_80MHz_Antenna 0_RU&Index SU

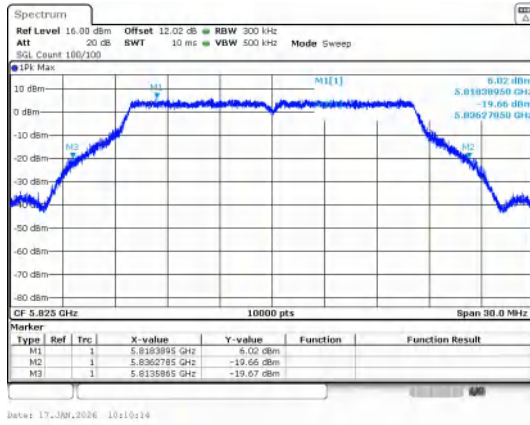
5) 26dB Bandwidth

Test Result

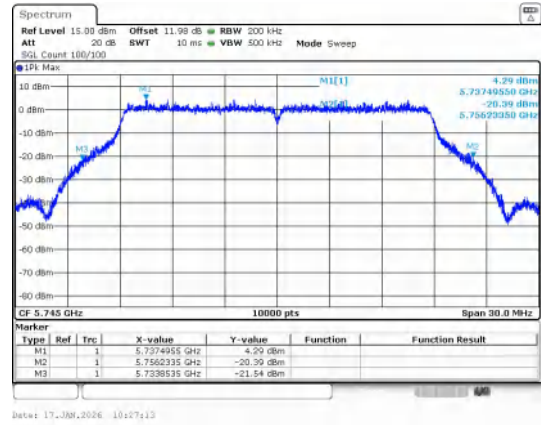
Mode	Channel	RU & Index	Ant.	Center Frequency (MHz)	26 dB Bandwidth (MHz)	RBW/EBW
IEEE 802.11a	149	N/A	0	5745	22.11	1.12
	157			5785	21.98	1.13
	165			5825	22.69	1.11
IEEE 802.11n_20	149			5745	22.38	1.12
	157			5785	22.34	1.12
	165			5825	22.39	1.11
IEEE 802.11n_40	151			5755	42.76	1.19
	159			5795	42.59	1.2
IEEE 802.11ac_20	149			5745	22.37	1.11
	157			5785	22.44	1.1
	165			5825	22.56	1.1
IEEE 802.11ac_40	151			5755	42.67	1.2
	159			5795	42.63	1.2
IEEE 802.11ac_80	155			5775	81.44	1.02
IEEE 802.11ax_20	149	SU	5745	22.33	1.09	
	157		5785	22.23	1.1	
	165		5825	22.35	1.09	
IEEE 802.11ax_40	151		5755	42.09	1.05	
	159		5795	42.08	1.05	
IEEE 802.11ax_80	155		5775	81.59	1.03	

Test Graphs

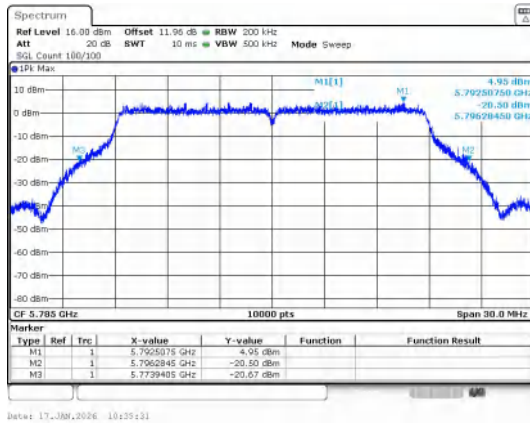




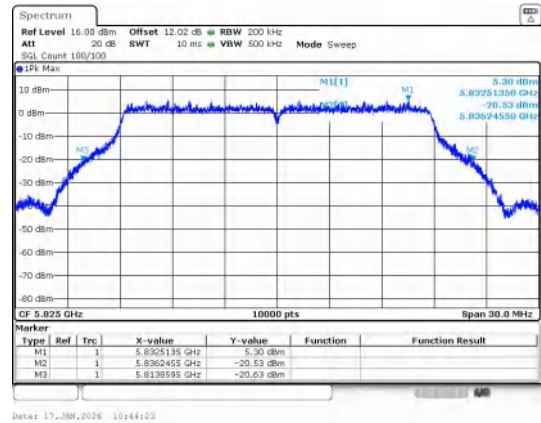
IEEE 802.11a_Channel 165_20MHz_Antenna 0



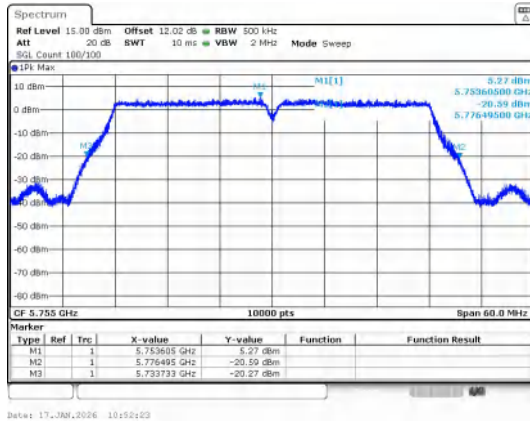
IEEE 802.11n_Channel 149_20MHz_Antenna 0



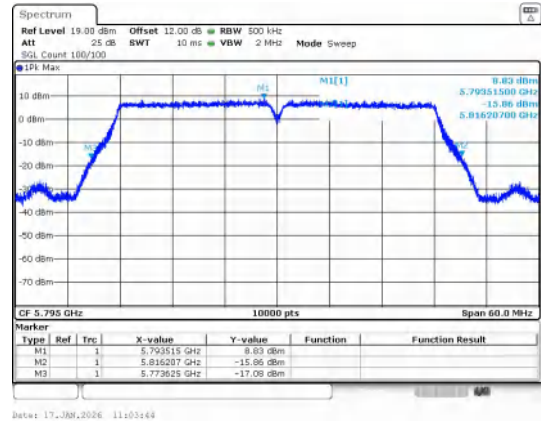
IEEE 802.11n_Channel 157_20MHz_Antenna 0



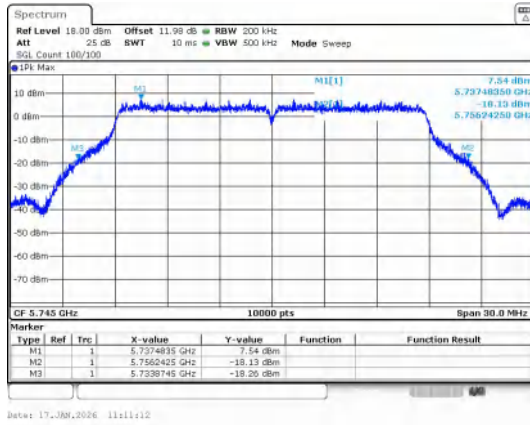
IEEE 802.11n_Channel 165_20MHz_Antenna 0



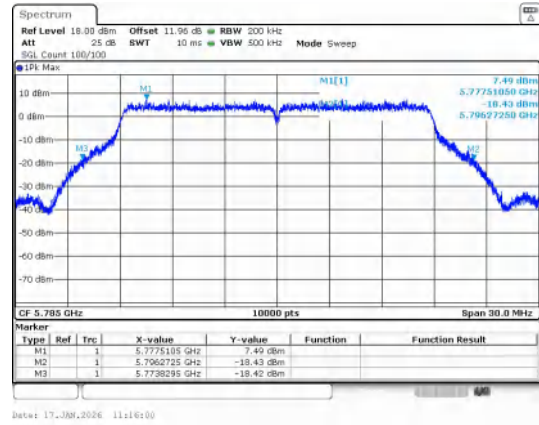
IEEE 802.11n_Channel 151_40MHz_Antenna 0



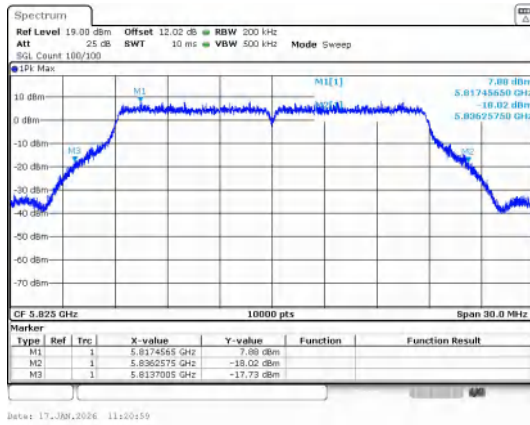
IEEE 802.11n_Channel 159_40MHz_Antenna 0



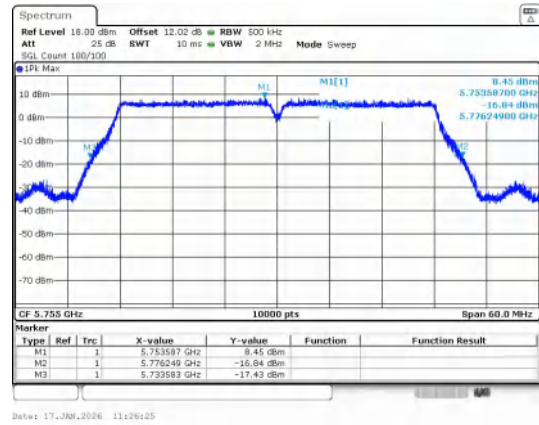
IEEE 802.11ac_Channel 149_20MHz_Antenna 0



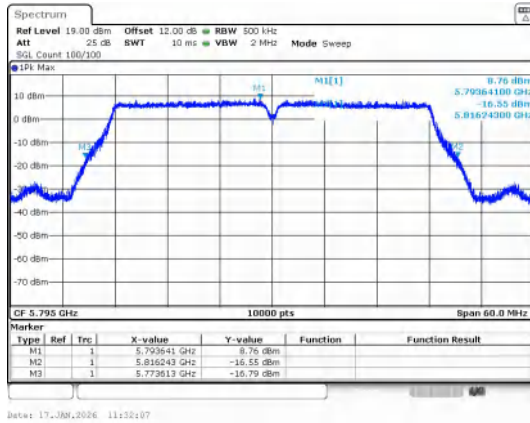
IEEE 802.11ac_Channel 157_20MHz_Antenna 0



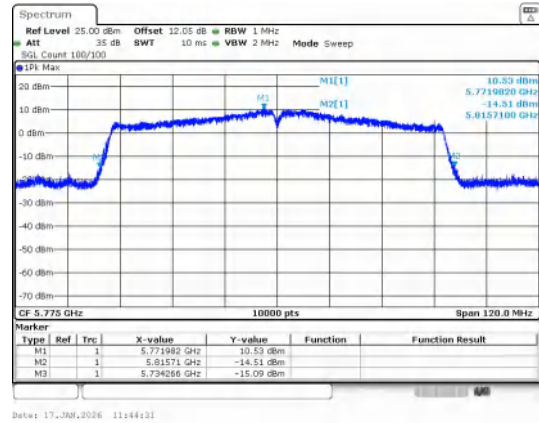
IEEE 802.11ac_Channel 165_20MHz_Antenna 0



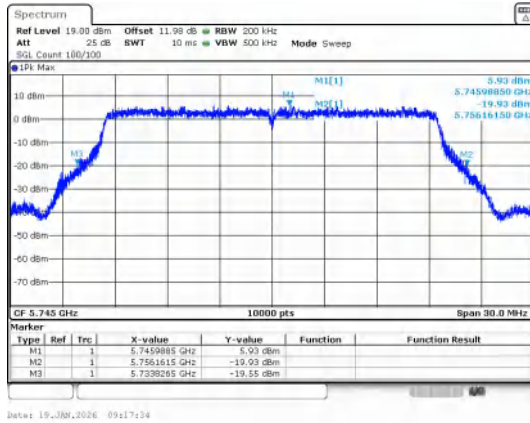
IEEE 802.11ac_Channel 151_40MHz_Antenna 0



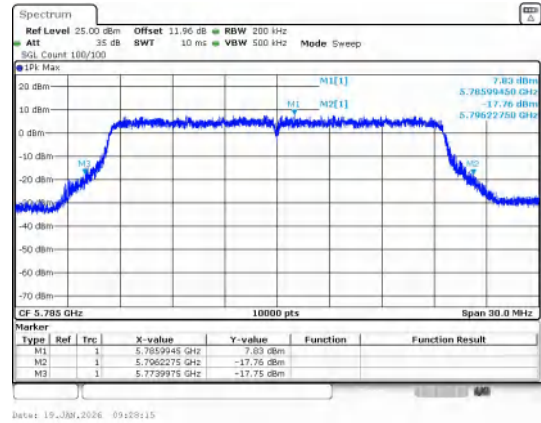
IEEE 802.11ac_Channel 159_40MHz_Antenna 0



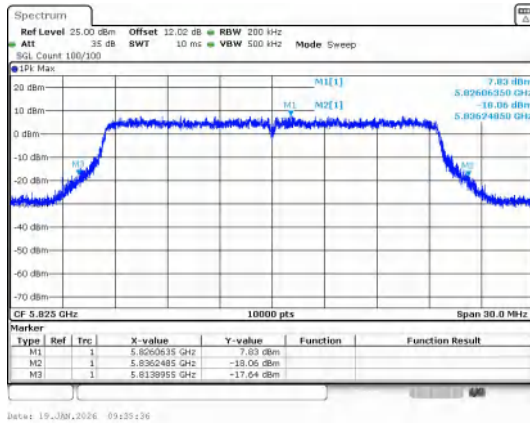
IEEE 802.11ac_Channel 155_80MHz_Antenna 0



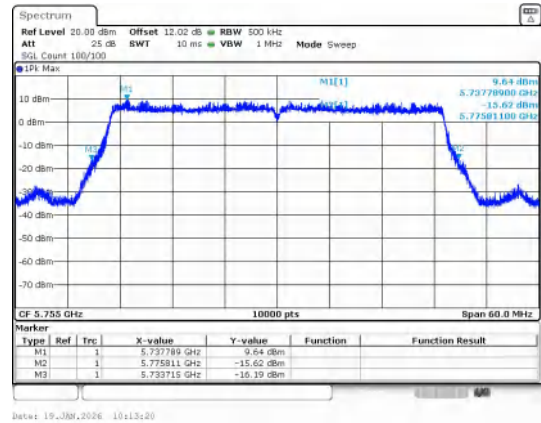
IEEE 802.11ax_Channel 149_20MHz_Antenna 0_RU&Index SU



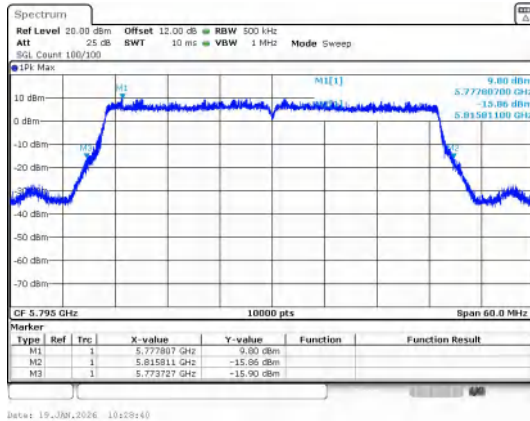
IEEE 802.11ax_Channel 157_20MHz_Antenna 0_RU&Index SU



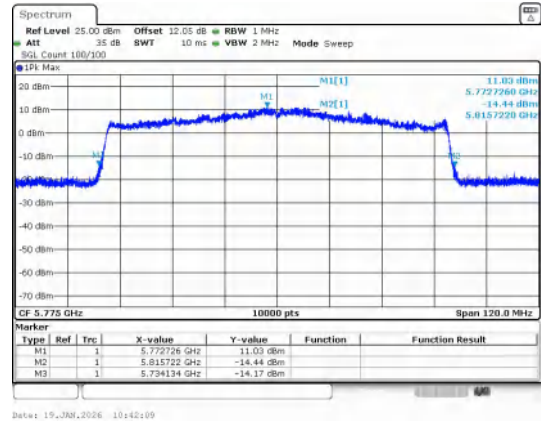
IEEE 802.11ax_Channel 165_20MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 151_40MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 159_40MHz_Antenna 0_RU&Index SU



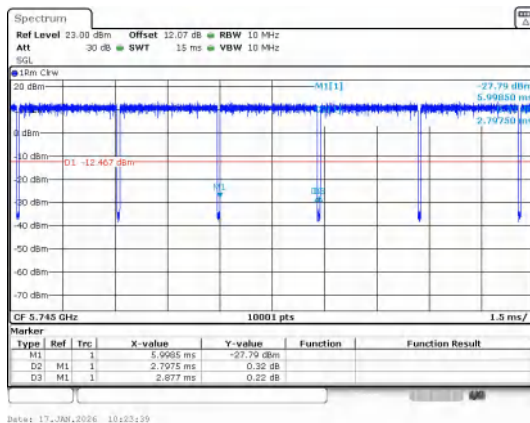
IEEE 802.11ax_Channel 155_80MHz_Antenna 0_RU&Index SU

6) Duty Cycle

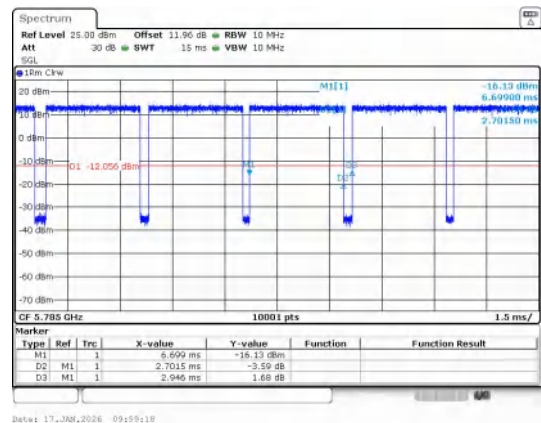
Test Result

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	2.798	2.877	97.24	0.9724	0.1216	0.3574	
		157			2.701	2.946	91.70	0.9170	0.3763	0.3702	
		165			2.703	2.916	92.70	0.9270	0.3292	0.3700	
IEEE 802.11n_20	149	2.520			2.681	93.99	0.9399	0.2692	0.3968		
	157	2.520			2.775	90.81	0.9081	0.4187	0.3968		
	165	2.520			2.708	93.06	0.9306	0.3124	0.3968		
IEEE 802.11n_40	151	1.237			1.385	89.31	0.8931	0.491	0.8084		
	159	1.227			1.696	72.33	0.7233	1.4068	0.8150		
IEEE 802.11ac_20	149	2.520			2.774	90.84	0.9084	0.4172	0.3968		
	157	2.522			2.698	93.44	0.9344	0.2947	0.3965		
	165	2.522			2.707	93.13	0.9313	0.3091	0.3965		
IEEE 802.11ac_40	151	1.238			1.390	89.06	0.8906	0.5032	0.8078		
	159	1.237			1.340	92.31	0.9231	0.3475	0.8084		
IEEE 802.11ac_80	155	0.595			0.595	99.97	0.9997	0.0013	1.6807		
IEEE 802.11ax_20	MCS 0	149			SU	1.921	2.113	90.91	0.9091	0.4139	0.5206
		157				1.921	2.099	91.52	0.9152	0.3848	0.5206
		165				1.921	2.193	87.60	0.8760	0.575	0.5206
IEEE 802.11ax_40		151				0.975	1.159	84.13	0.8413	0.7505	1.0256
		159				0.982	1.149	85.42	0.8542	0.6844	1.0183
IEEE 802.11ax_80		155				0.492	0.492	99.92	0.9992	0.0035	2.0325

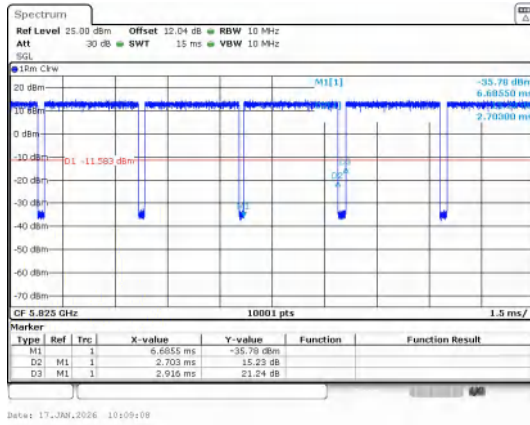
Test Graphs



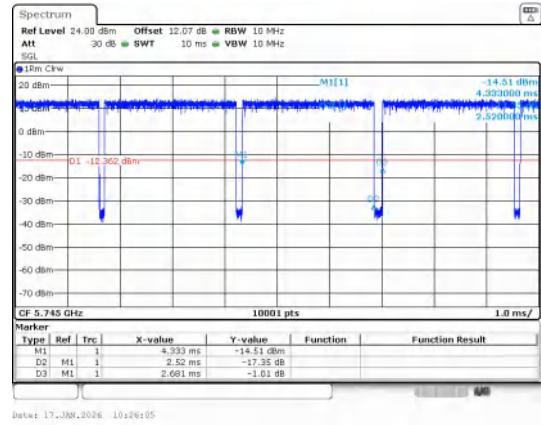
IEEE 802.11a_20MHz_Channel 149



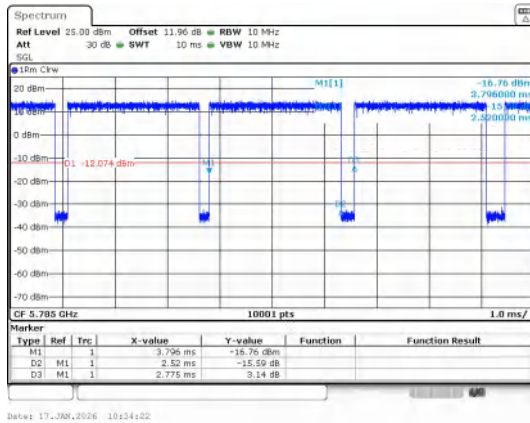
IEEE 802.11a_20MHz_Channel 157



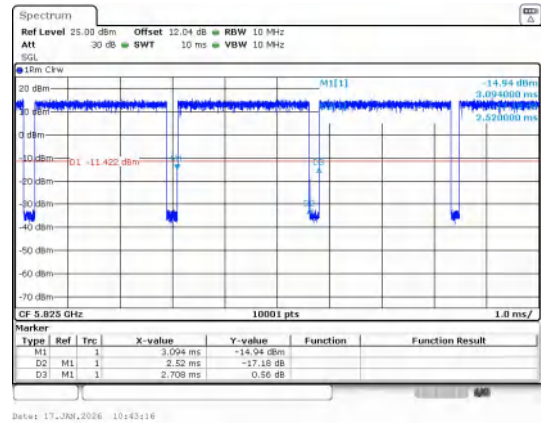
IEEE 802.11a_20MHz_Channel 165



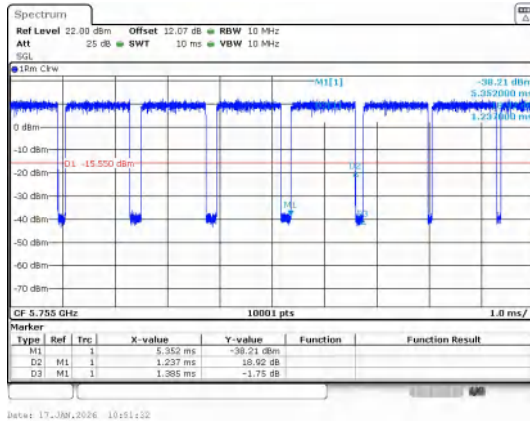
IEEE 802.11n_20MHz_Channel 149



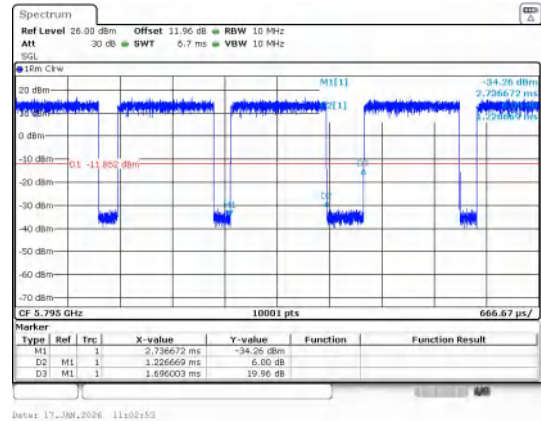
IEEE 802.11n_20MHz_Channel 157



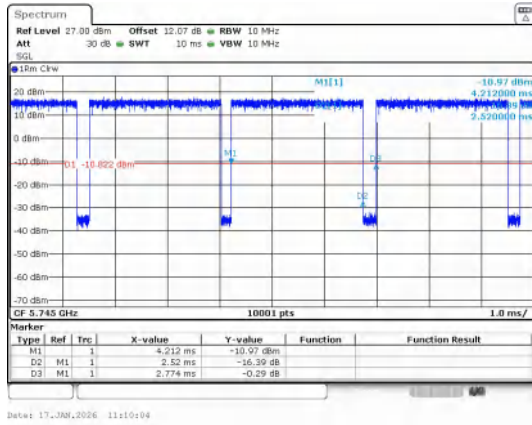
IEEE 802.11n_20MHz_Channel 165



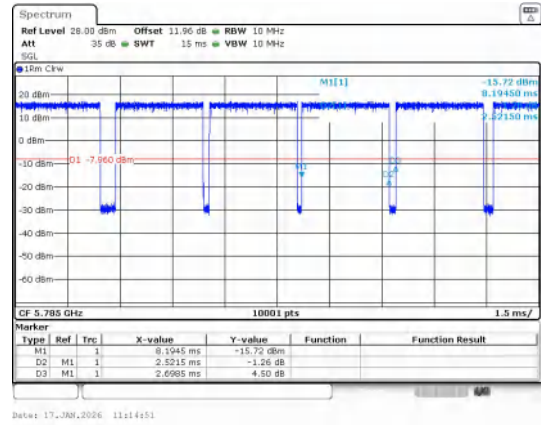
IEEE 802.11n_40MHz_Channel 151



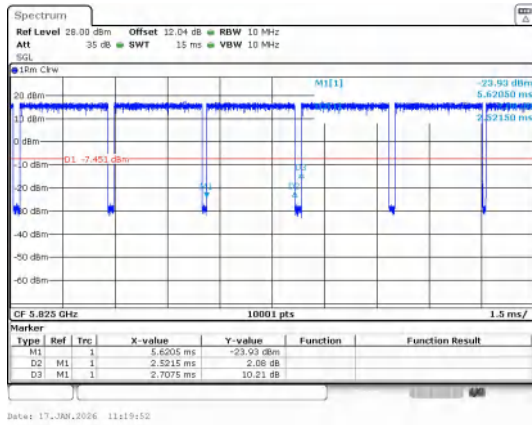
IEEE 802.11n_40MHz_Channel 159



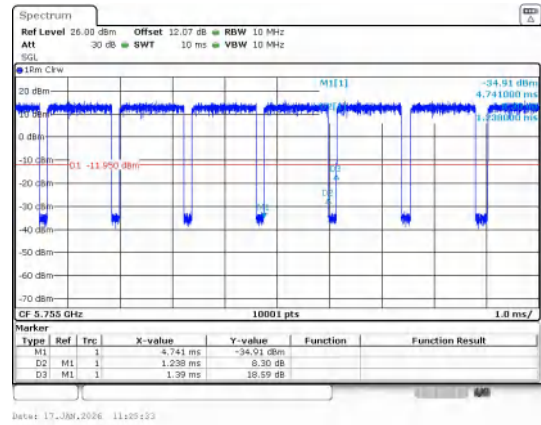
IEEE 802.11ac_20MHz_Channel 149



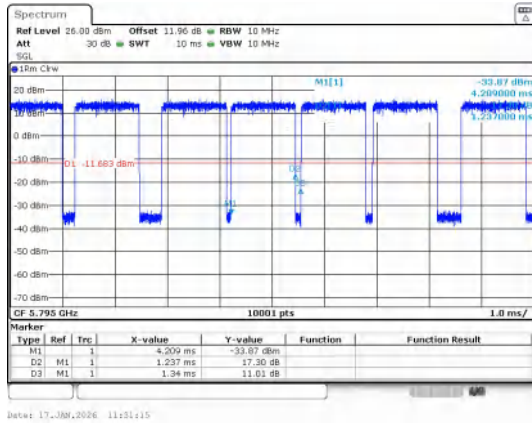
IEEE 802.11ac_20MHz_Channel 157



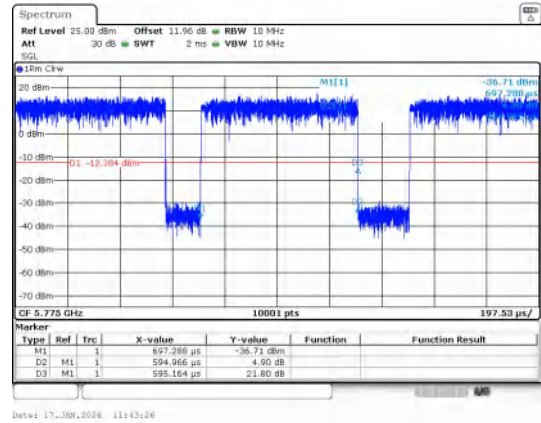
IEEE 802.11ac_20MHz_Channel 149



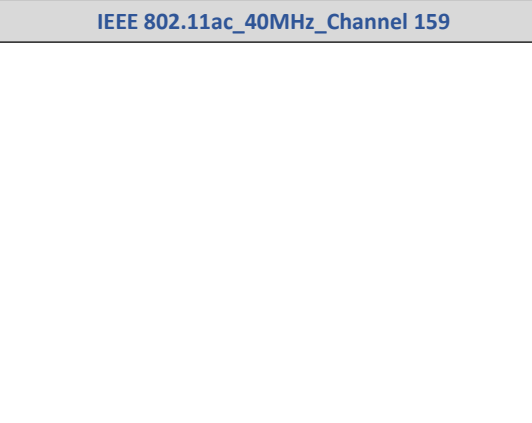
IEEE 802.11ac_20MHz_Channel 157



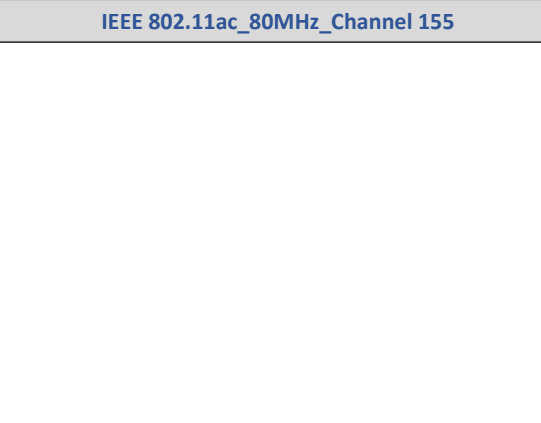
IEEE 802.11ac_20MHz_Channel 165



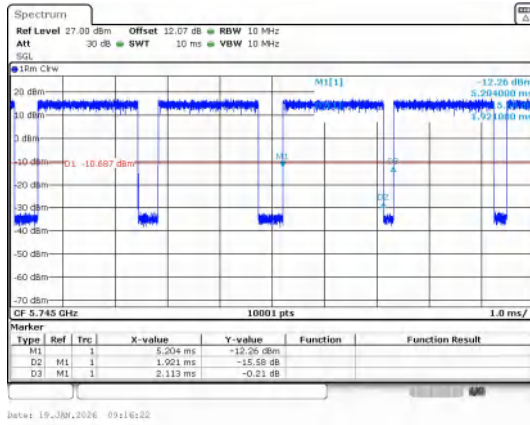
IEEE 802.11ac_40MHz_Channel 151



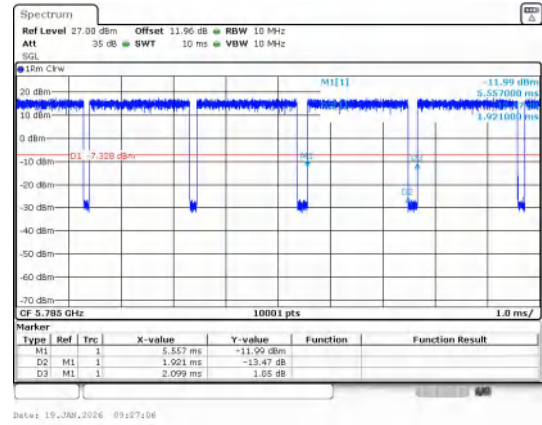
IEEE 802.11ac_40MHz_Channel 159



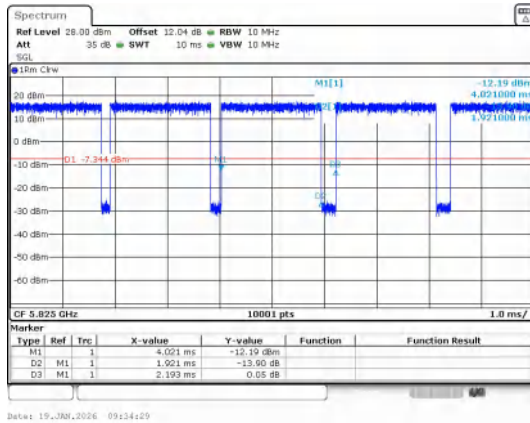
IEEE 802.11ac_80MHz_Channel 155



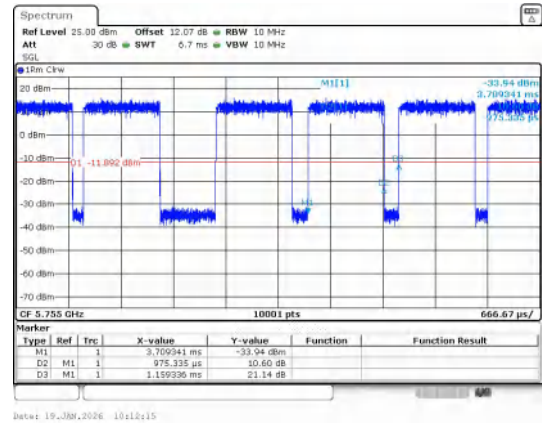
IEEE 802.11ax_20MHz_Channel 149



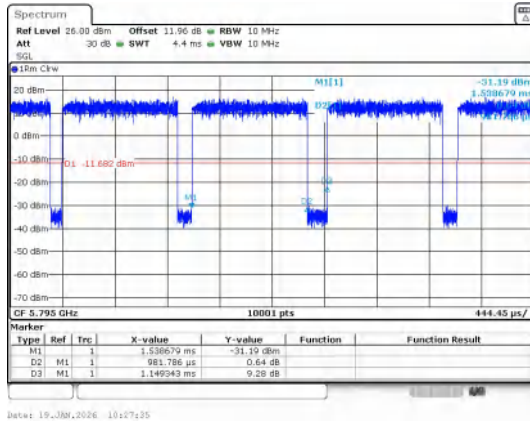
IEEE 802.11ax_20MHz_Channel 157



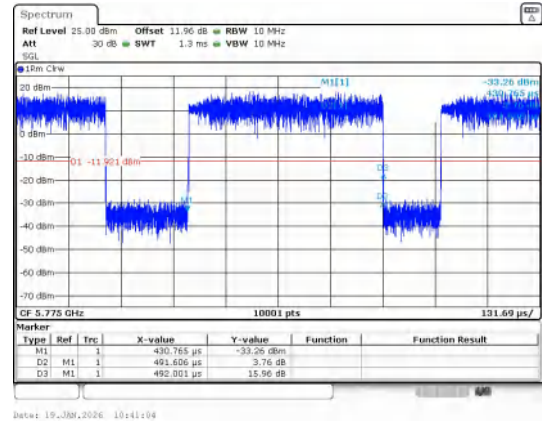
IEEE 802.11ax_20MHz_Channel 165



IEEE 802.11ax_40MHz_Channel 151



IEEE 802.11ax_40MHz_Channel 159



IEEE 802.11ax_80MHz_Channel 155

7) Frequency Stability

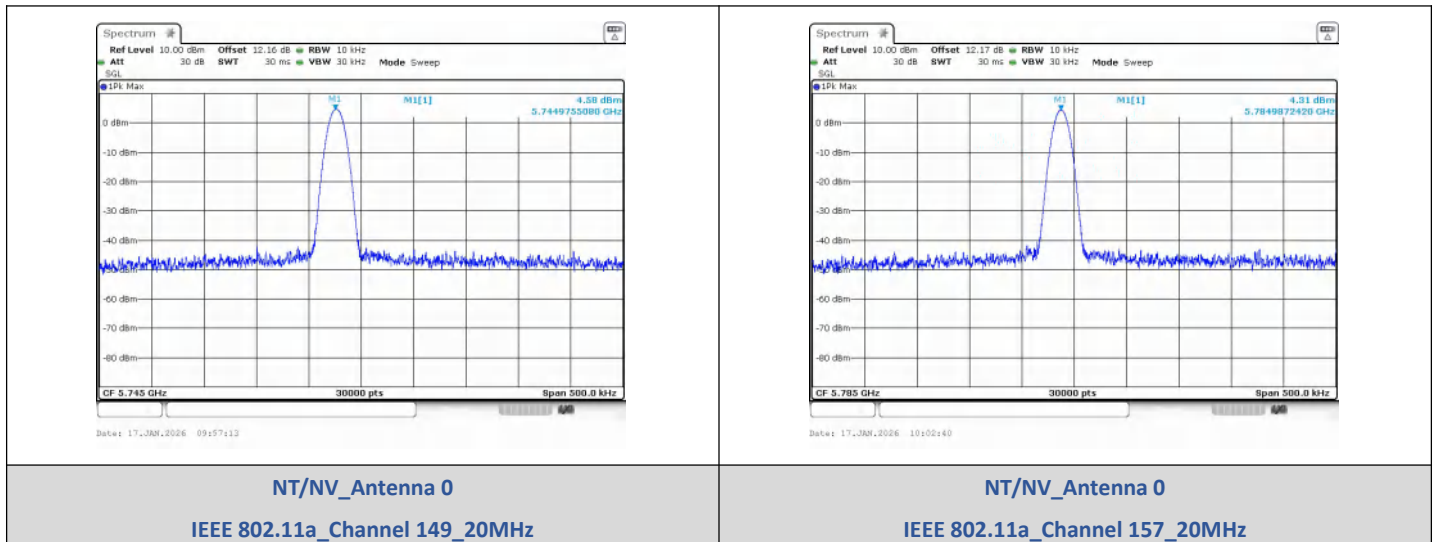
Test Result

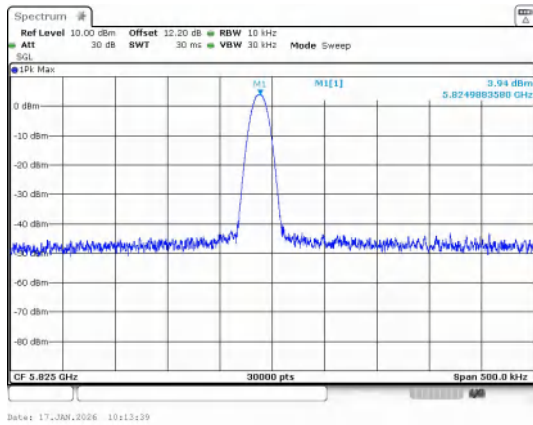
Condition	Mode	Ch.	RU & Index	Antenna	Center Frequency (MHz)	Calculated Value of Center Frequency(MHz)	Result (ppm)	Limit (ppm)	State
NT/NV	IEEE 802.11a	149	N/A	0	5745.0	5744.975508	-4.26	Within authorized band	PASS
		157			5785.0	5784.987242	-2.21		PASS
		165			5825.0	5824.988358	-2.0		PASS
	IEEE 802.11n_20	149			5745.0	5744.994058	-1.03		PASS
		157			5785.0	5784.967242	-5.66		PASS
		165			5825.0	5824.984442	-2.67		PASS
	IEEE 802.11n_40	151			5755.0	5754.980425	-3.4		PASS
		159			5795.0	5794.982608	-3.0		PASS
	IEEE 802.11ac_20	149			5745.0	5744.978375	-3.76		PASS
		157			5785.0	5784.978042	-3.8		PASS
		165			5825.0	5824.981008	-3.26		PASS
	IEEE 802.11ac_40	151			5755.0	5754.980375	-3.41		PASS
		159			5795.0	5794.979958	-3.46		PASS
	IEEE 802.11ac_80	155			5775.0	5774.980175	-3.43		PASS
	IEEE 802.11ax_20	149	SU		5745.0	5744.965442	-6.02		PASS
		157			5785.0	5784.978375	-3.74		PASS
		165			5825.0	5824.977158	-3.92		PASS
	IEEE 802.11ax_40	151			5755.0	5754.976325	-4.11		PASS
		159			5795.0	5794.976825	-4.0		PASS
	IEEE 802.11ax_80	155			5775.0	5774.981175	-3.26		PASS

Test Graphs

NT/NV

IEEE 802.11a

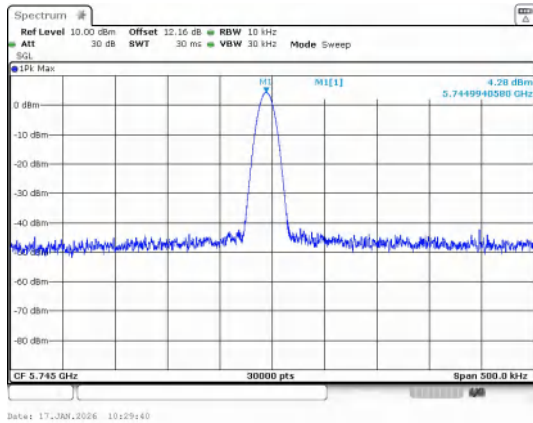




NT/NV_Antenna 0

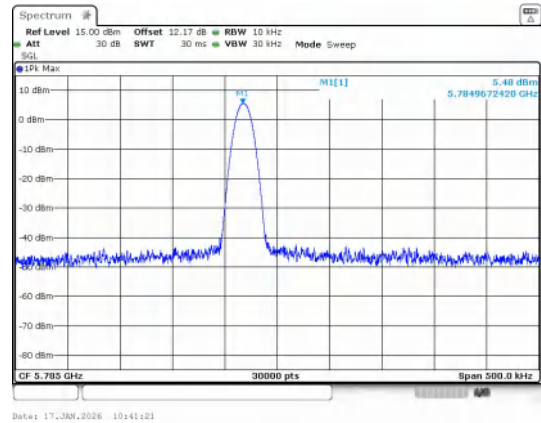
IEEE 802.11a_Channel 165_20MHz

IEEE 802.11n_20



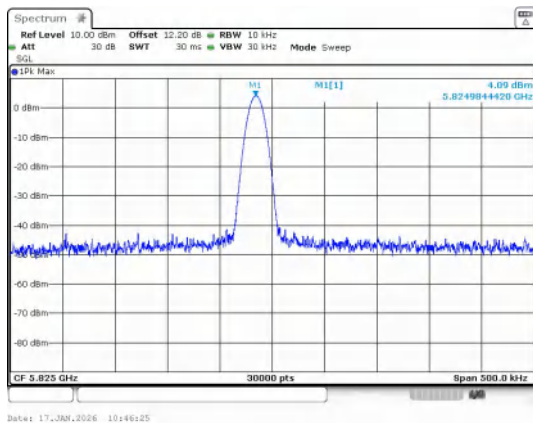
NT/NV_Antenna 0

IEEE 802.11n_Channel 149_20MHz



NT/NV_Antenna 0

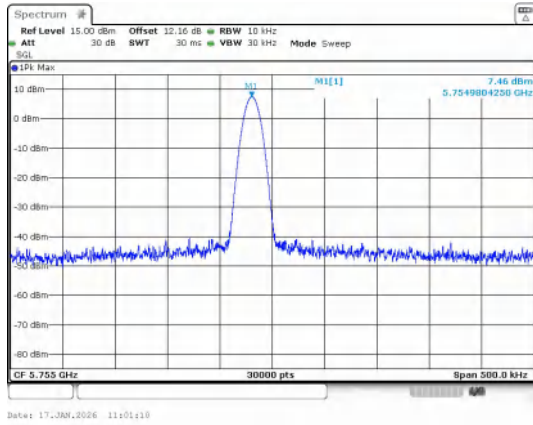
IEEE 802.11n_Channel 157_20MHz



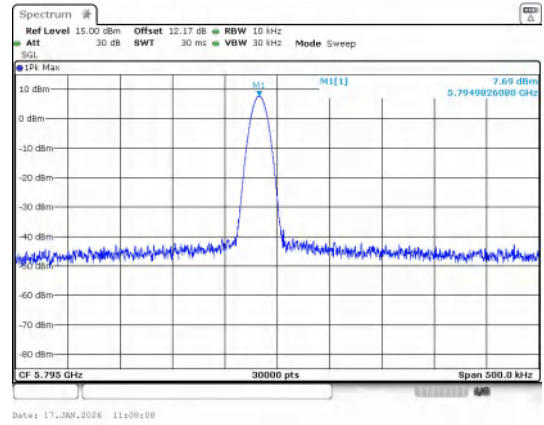
NT/NV_Antenna 0

IEEE 802.11n_Channel 165_20MHz

IEEE 802.11n_40

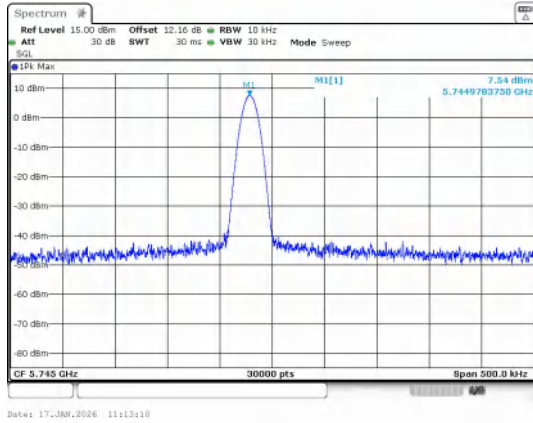


NT/NV_Antenna 0
IEEE 802.11n_Channel 151_40MHz

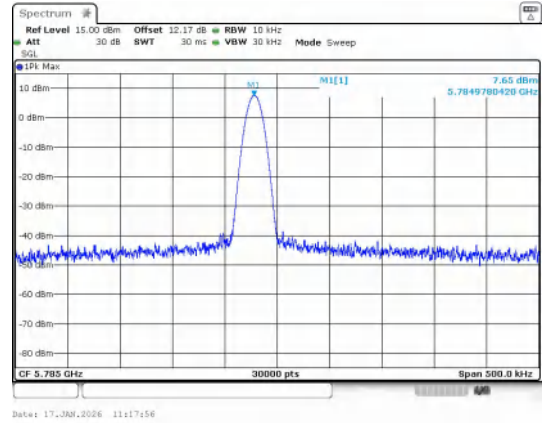


NT/NV_Antenna 0
IEEE 802.11n_Channel 159_40MHz

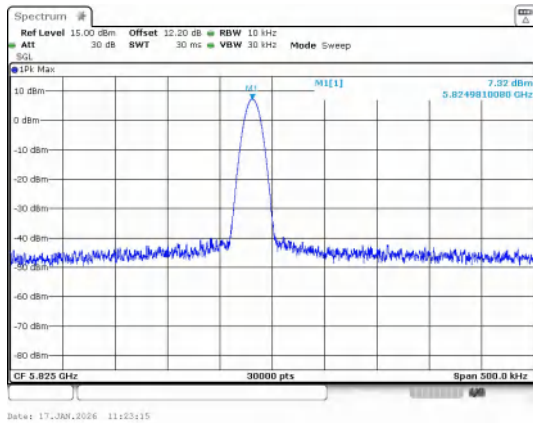
IEEE 802.11ac_20



NT/NV_Antenna 0
IEEE 802.11ac_Channel 149_20MHz

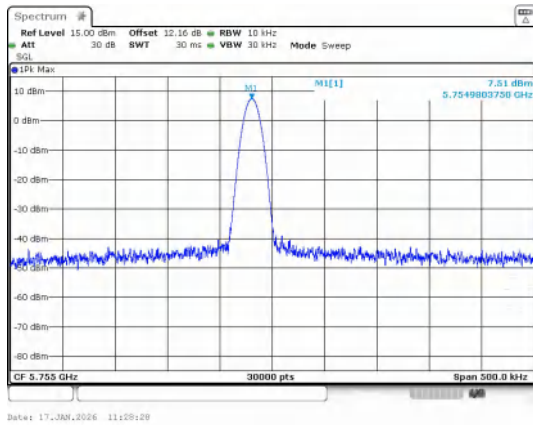


NT/NV_Antenna 0
IEEE 802.11ac_Channel 157_20MHz

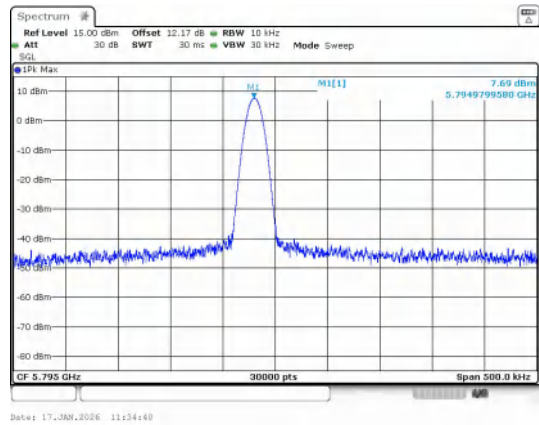


NT/NV_Antenna 0
IEEE 802.11ac_Channel 165_20MHz

IEEE 802.11ac_40

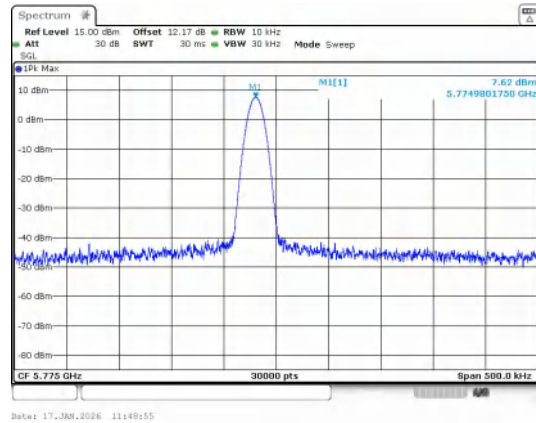


NT/NV_Antenna 0
IEEE 802.11ac_Channel 151_40MHz



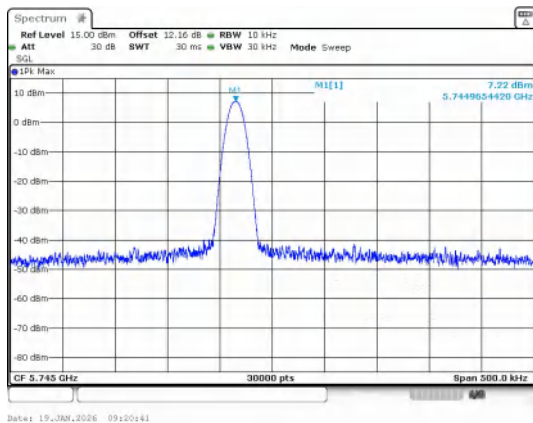
NT/NV_Antenna 0
IEEE 802.11ac_Channel 159_40MHz

IEEE 802.11ac_80

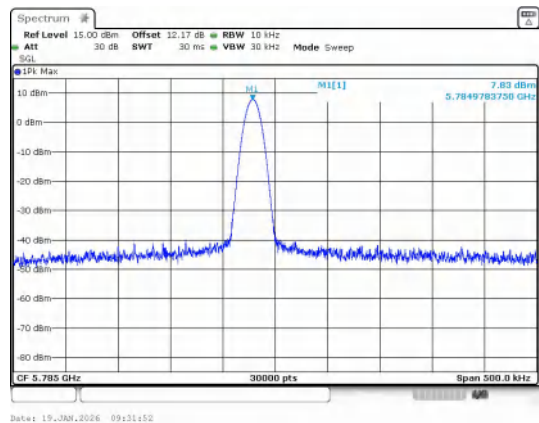


NT/NV_Antenna 0
IEEE 802.11ac_Channel 155_80MHz

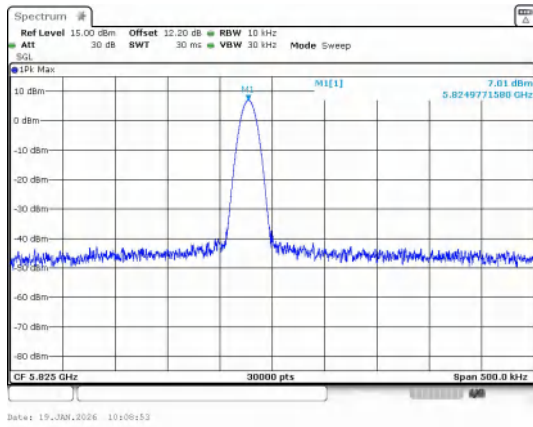
IEEE 802.11ax_20



NT/NV_Antenna 0
IEEE 802.11ax_Channel 149_20MHz



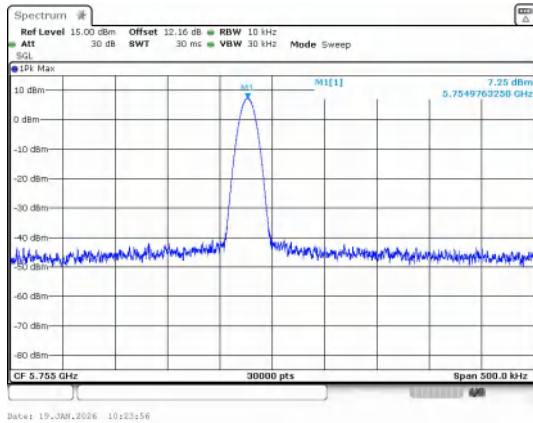
NT/NV_Antenna 0
IEEE 802.11ax_Channel 157_20MHz



NT/NV_Antenna 0

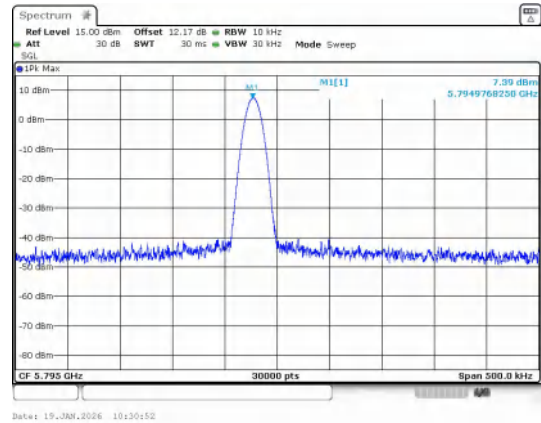
IEEE 802.11ax_Channel 165_20MHz

IEEE 802.11ax_40



NT/NV_Antenna 0

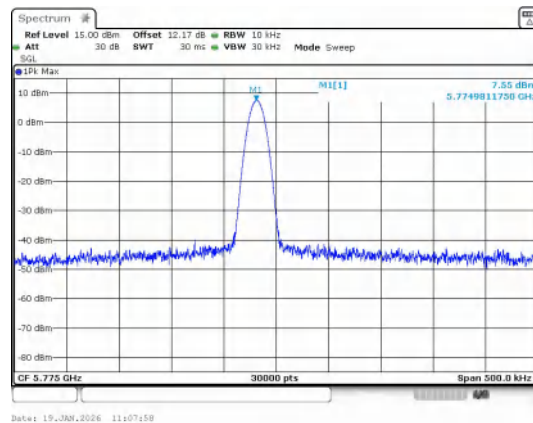
IEEE 802.11ax_Channel 151_40MHz



NT/NV_Antenna 0

IEEE 802.11ax_Channel 159_40MHz

IEEE 802.11ax_80



NT/NV_Antenna 0

IEEE 802.11ax_Channel 155_80MHz

8) Conducted Spurious & Band Edge 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	3920.63	-40.170	-27	-13.170	PASS
				5601.36	-36.590	-27.0	-9.590	PASS
				5651.28	-37.260	-26.05	-11.210	PASS
				5703.38	-34.900	10.95	-45.850	PASS
				5720.21	-37.140	16.07	-53.210	PASS
				5745.17	4.330	27.0	-22.670	PASS
				5854.79	-36.670	16.07	-52.740	PASS
				5872.70	-35.850	10.65	-46.500	PASS
				5924.26	-36.100	-26.45	-9.650	PASS
				5927.51	-35.640	-27.0	-8.640	PASS
				22075.5	-39.310	-27	-12.310	PASS
	157			30.09	-38.360	-27	-11.360	PASS
				5619.27	-36.590	-27.0	-9.590	PASS
				5650.20	-36.600	-26.85	-9.750	PASS
				5700.67	-37.820	10.19	-48.010	PASS
				5720.75	-37.090	17.31	-54.400	PASS
				5785.33	4.440	27.0	-22.560	PASS
				5854.79	-37.900	16.07	-53.970	PASS
				5874.87	-35.980	10.04	-46.020	PASS
				5924.80	-37.040	-26.85	-10.190	PASS
				5964.96	-34.700	-27.0	-7.700	PASS
				22032.9	-38.720	-27	-11.720	PASS
	165			33.28	-38.580	-27	-11.580	PASS
				5603.53	-36.180	-27.0	-9.180	PASS
				5650.20	-37.700	-26.85	-10.850	PASS
				5702.84	-37.000	10.8	-47.800	PASS
				5720.21	-37.460	16.07	-53.530	PASS
				5825.49	4.030	27.0	-22.970	PASS
				5854.79	-37.590	16.07	-53.660	PASS
				5873.25	-36.710	10.5	-47.210	PASS
				5924.80	-37.430	-26.85	-10.580	PASS
				5930.23	-35.120	-27.0	-8.120	PASS
				21997.3	-39.610	-27	-12.610	PASS
IEEE 802.11n_20	149	33.65	-38.310	-27	-11.310	PASS		
		5641.52	-35.870	-27.0	-8.870	PASS		
		5651.28	-37.760	-26.05	-11.710	PASS		
		5700.13	-35.150	10.03	-45.180	PASS		

IEEE 802.11n_40				5720.21	-38.580	16.07	-54.650	PASS
				5745.17	4.320	27.0	-22.680	PASS
				5854.79	-37.300	16.07	-53.370	PASS
				5874.87	-35.500	10.04	-45.540	PASS
				5924.26	-37.010	-26.45	-10.560	PASS
				5941.08	-35.670	-27.0	-8.670	PASS
				22075.5	-39.630	-27	-12.630	PASS
	157			5458.08	-40.310	-27	-13.310	PASS
				5634.46	-36.400	-27.0	-9.400	PASS
				5651.28	-37.360	-26.05	-11.310	PASS
				5700.67	-36.470	10.18	-46.650	PASS
				5720.75	-37.040	17.31	-54.350	PASS
				5785.33	5.250	27.0	-21.750	PASS
				5854.25	-35.240	17.3	-52.540	PASS
	165			5872.70	-36.250	10.65	-46.900	PASS
				5924.80	-37.970	-26.85	-11.120	PASS
				5925.34	-36.270	-27.0	-9.270	PASS
				22049.4	-38.130	-27	-11.130	PASS
				33.65	-39.300	-27	-12.300	PASS
				5611.13	-35.050	-27.0	-8.050	PASS
				5654.54	-34.900	-23.64	-11.260	PASS
				5700.13	-36.060	10.04	-46.100	PASS
				5720.21	-38.190	16.07	-54.260	PASS
				5825.49	4.070	27.0	-22.930	PASS
				5854.79	-38.680	16.07	-54.750	PASS
				5874.87	-36.220	10.03	-46.250	PASS
	5921.54			-34.040	-24.44	-9.600	PASS	
	5957.91			-35.980	-27.0	-8.980	PASS	
	22034.8			-38.900	-27	-11.900	PASS	
	151			33.84	-38.390	-27	-11.390	PASS
				5617.09	-35.440	-27.0	-8.440	PASS
				5650.74	-36.660	-26.45	-10.210	PASS
				5700.67	-36.920	10.19	-47.110	PASS
				5720.21	-37.550	16.07	-53.620	PASS
				5754.94	7.330	27.0	-19.670	PASS
				5854.79	-37.750	16.07	-53.820	PASS
5874.33		-36.810	10.18	-46.990	PASS			
5924.26		-37.440	-26.45	-10.990	PASS			
5932.94		-36.030	-27.0	-9.030	PASS			
22035.4		-39.290	-27	-12.290	PASS			
159		30.09	-38.210	-27	-11.210	PASS		
	5643.14	-35.650	-27.0	-8.650	PASS			
	5650.74	-38.010	-26.45	-11.560	PASS			
	5702.30	-37.530	10.64	-48.170	PASS			
	5720.21	-38.410	16.07	-54.480	PASS			

				5795.10	7.610	27.0	-19.390	PASS		
				5854.25	-36.950	17.3	-54.250	PASS		
				5874.87	-37.340	10.03	-47.370	PASS		
				5923.72	-36.500	-26.05	-10.450	PASS		
				5940.54	-34.230	-27.0	-7.230	PASS		
				22043.1	-38.890	-27	-11.890	PASS		
IEEE 802.11ac_20	149			4799.98	-40.950	-27	-13.950	PASS		
				5648.57	-35.700	-27.0	-8.700	PASS		
				5650.20	-38.970	-26.85	-12.120	PASS		
				5702.30	-37.350	10.65	-48.000	PASS		
				5720.21	-37.680	16.07	-53.750	PASS		
				5745.17	7.500	27.0	-19.500	PASS		
				5854.79	-36.990	16.07	-53.060	PASS		
				5871.62	-36.310	10.95	-47.260	PASS		
				5924.80	-35.800	-26.85	-8.950	PASS		
				5925.34	-35.390	-27.0	-8.390	PASS		
				21914.6	-39.620	-27	-12.620	PASS		
				5363.10	-39.760	-27	-12.760	PASS		
				5600.81	-35.280	-27.0	-8.280	PASS		
				5650.20	-38.250	-26.85	-11.400	PASS		
	5700.67			-37.230	10.19	-47.420	PASS			
	157			5720.21	-38.570	16.07	-54.640	PASS		
				5785.33	7.630	27.0	-19.370	PASS		
				5854.79	-37.220	16.07	-53.290	PASS		
				5874.87	-35.970	10.03	-46.000	PASS		
				5924.80	-37.180	-26.86	-10.320	PASS		
				5929.69	-35.710	-27.0	-8.710	PASS		
				16666.5	-39.280	-27	-12.280	PASS		
				5392.32	-40.280	-27	-13.280	PASS		
				5613.84	-35.290	-27.0	-8.290	PASS		
				5651.83	-37.170	-25.65	-11.520	PASS		
				5700.13	-37.020	10.04	-47.060	PASS		
				5720.21	-38.860	16.07	-54.930	PASS		
				5825.49	7.260	27.0	-19.740	PASS		
				5854.79	-37.210	16.07	-53.280	PASS		
	5872.70			-35.320	10.65	-45.970	PASS			
	165			5924.80	-38.770	-26.86	-11.910	PASS		
				5943.25	-35.670	-27.0	-8.670	PASS		
				17275.6	-39.510	-27	-12.510	PASS		
				IEEE 802.11ac_40	151	33.65	-39.180	-27	-12.180	PASS
						5642.60	-36.390	-27.0	-9.390	PASS
						5651.83	-36.530	-25.64	-10.890	PASS
5702.30		-36.030	10.64			-46.670	PASS			
5720.21		-36.840	16.07			-52.910	PASS			
5754.94		7.460	27.0			-19.540	PASS			

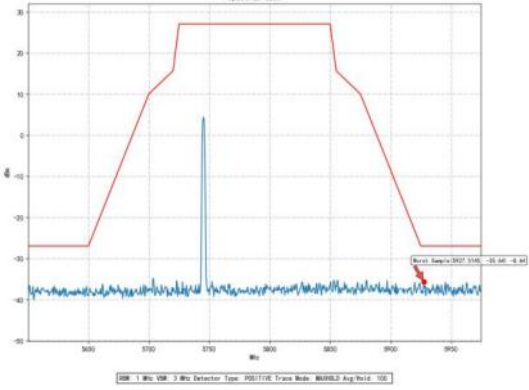
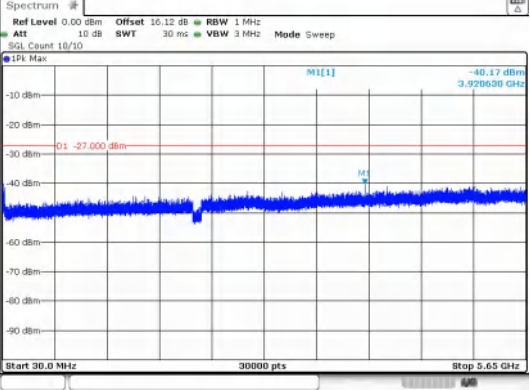
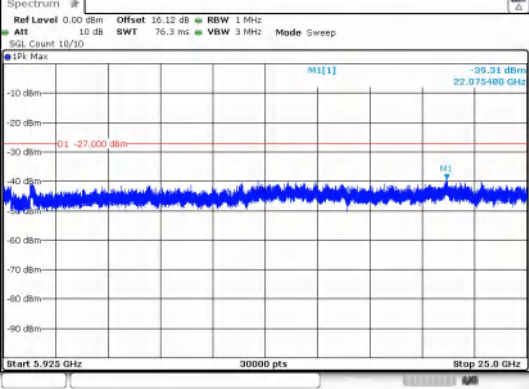
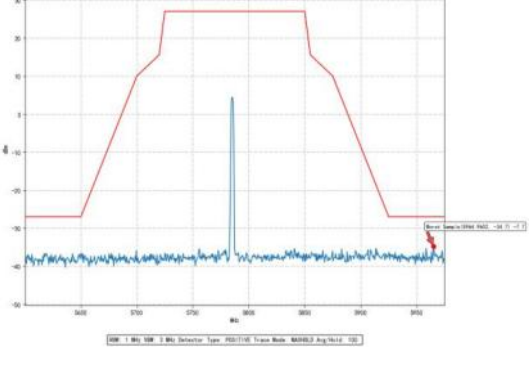
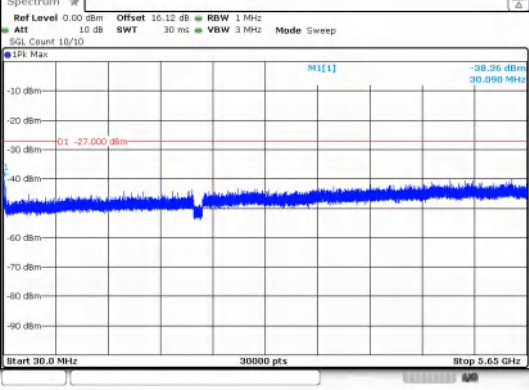
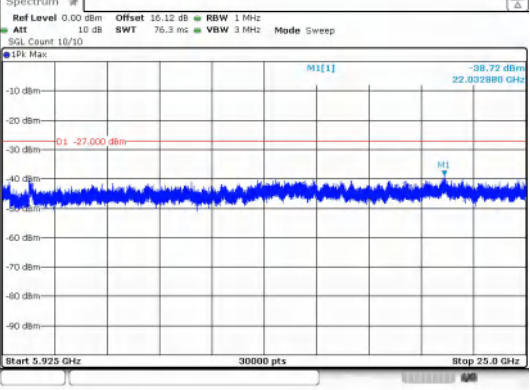
	159		5854.79	-37.010	16.07	-53.080	PASS
			5872.16	-35.970	10.79	-46.760	PASS
			5924.80	-37.590	-26.85	-10.740	PASS
			5958.99	-34.680	-27.0	-7.680	PASS
			21460.6	-39.420	-27	-12.420	PASS
			5092.96	-39.920	-27	-12.920	PASS
			5605.16	-36.060	-27.0	-9.060	PASS
			5651.83	-36.430	-25.65	-10.780	PASS
			5700.67	-37.000	10.19	-47.190	PASS
			5720.75	-37.230	17.31	-54.540	PASS
			5795.10	7.700	27.0	-19.300	PASS
			5854.79	-37.800	16.07	-53.870	PASS
			5873.25	-36.680	10.49	-47.170	PASS
			5924.80	-37.320	-26.85	-10.470	PASS
			5929.14	-36.010	-27.0	-9.010	PASS
15904.1	-38.230		-27	-11.230	PASS		
IEEE 802.11ac_80	155		30.09	-38.040	-27	-11.040	PASS
			5632.83	-35.720	-27.0	-8.720	PASS
			5650.74	-37.870	-26.45	-11.420	PASS
			5700.67	-36.780	10.18	-46.960	PASS
			5720.21	-37.780	16.07	-53.850	PASS
			5775.02	7.610	27.0	-19.390	PASS
			5854.25	-37.200	17.31	-54.510	PASS
			5869.99	-36.140	11.4	-47.540	PASS
			5924.26	-36.370	-26.45	-9.920	PASS
			5934.03	-35.020	-27.0	-8.020	PASS
16730.0	-39.200		-27	-12.200	PASS		
IEEE 802.11ax_20	149		5065.05	-39.490	-27	-12.490	PASS
			5629.58	-35.660	-27.0	-8.660	PASS
			5650.74	-36.640	-26.45	-10.190	PASS
		5706.64	-36.030	11.86	-47.890	PASS	
		5720.21	-37.650	16.07	-53.720	PASS	
		5745.17	7.540	27.0	-19.460	PASS	
		5854.79	-37.210	16.07	-53.280	PASS	
		5874.33	-35.780	10.18	-45.960	PASS	
		5924.80	-35.950	-26.85	-9.100	PASS	
	5937.83	-34.510	-27.0	-7.510	PASS		
	22044.3	-38.420	-27	-11.420	PASS		
	157	49.58	-38.730	-27	-11.730	PASS	
		5636.63	-35.250	-27.0	-8.250	PASS	
		5650.20	-37.120	-26.85	-10.270	PASS	
		5705.01	-36.050	11.4	-47.450	PASS	
		5720.21	-37.400	16.07	-53.470	PASS	
		5785.33	7.780	27.0	-19.220	PASS	
		5854.79	-36.390	16.07	-52.460	PASS	

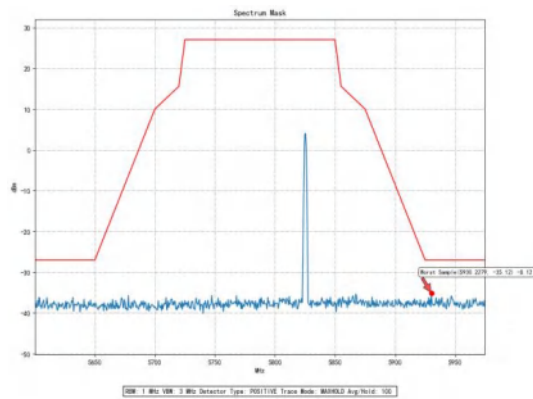
	165			5873.25	-34.730	10.49	-45.220	PASS		
				5924.80	-36.720	-26.85	-9.870	PASS		
				5971.47	-34.720	-27.0	-7.720	PASS		
				21979.5	-38.660	-27	-11.660	PASS		
				5607.87	-35.420	-27.0	-8.420	PASS		
				5645.97	-40.300	-27	-13.300	PASS		
				5650.20	-36.920	-26.85	-10.070	PASS		
				5701.75	-35.750	10.49	-46.240	PASS		
				5720.21	-37.670	16.07	-53.740	PASS		
				5825.49	7.010	27.0	-19.990	PASS		
				5854.79	-36.790	16.07	-52.860	PASS		
				5874.33	-34.800	10.19	-44.990	PASS		
				5924.80	-36.130	-26.85	-9.280	PASS		
				5954.11	-34.560	-27.0	-7.560	PASS		
				22010.6	-37.930	-27	-10.930	PASS		
				IEEE 802.11ax_40	151	5470.44	-39.980	-27	-12.980	PASS
5623.61	-36.080					-27.0	-9.080	PASS		
5650.20	-36.700					-26.85	-9.850	PASS		
5701.75	-36.810					10.49	-47.300	PASS		
5720.75	-35.450					17.31	-52.760	PASS		
5754.94	7.240					27.0	-19.760	PASS		
5854.79	-36.690					16.07	-52.760	PASS		
5873.25	-36.230					10.49	-46.720	PASS		
5924.80	-35.980					-26.85	-9.130	PASS		
5955.19	-34.860					-27.0	-7.860	PASS		
16347.3	-39.200					-27	-12.200	PASS		
	159					1771.92	-33.970	-27	-6.970	PASS
						5608.95	-35.470	-27.0	-8.470	PASS
						5650.74	-35.130	-26.45	-8.680	PASS
						5701.75	-36.280	10.49	-46.770	PASS
						5720.21	-37.340	16.07	-53.410	PASS
				5795.10	7.670	27.0	-19.330	PASS		
		5854.79	-37.750	16.07	-53.820	PASS				
		5874.87	-36.790	10.04	-46.830	PASS				
		5924.80	-37.020	-26.85	-10.170	PASS				
		5966.05	-34.480	-27.0	-7.480	PASS				
		22049.4	-38.370	-27	-11.370	PASS				
		IEEE 802.11ax_80	155	5391.76	-40.100	-27	-13.100	PASS		
				5601.36	-35.150	-27.0	-8.150	PASS		
				5650.20	-37.470	-26.86	-10.610	PASS		
				5701.75	-36.630	10.49	-47.120	PASS		
				5720.21	-36.750	16.07	-52.820	PASS		
5775.02	7.490			27.0	-19.510	PASS				
5854.79	-36.750			16.07	-52.820	PASS				
5872.16	-35.290			10.79	-46.080	PASS				

				5924.80	-36.880	-26.86	-10.020	PASS
				5938.37	-35.240	-27.0	-8.240	PASS
				15900.9	-38.990	-27	-11.990	PASS

Note: input compensation coefficient (dB)= Cable Loss (dB)

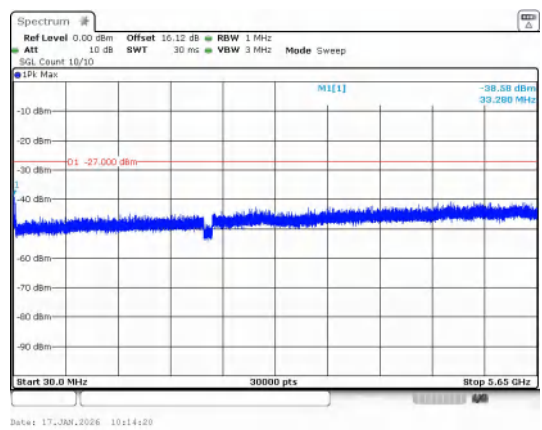
Test Graphs

	
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	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



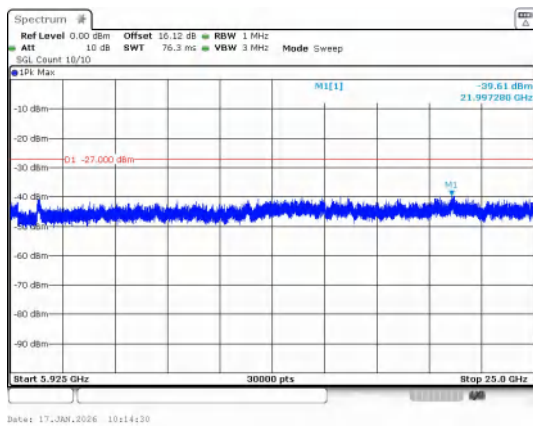
Out Of Band Emission

IEEE 802.11a_Channel 165_20MHz_Antenna 0



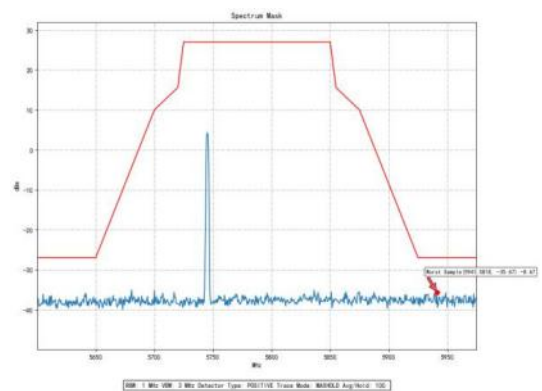
Spurious Emission:30.0~5650 MHz

IEEE 802.11a_Channel 165_20MHz_Antenna 0



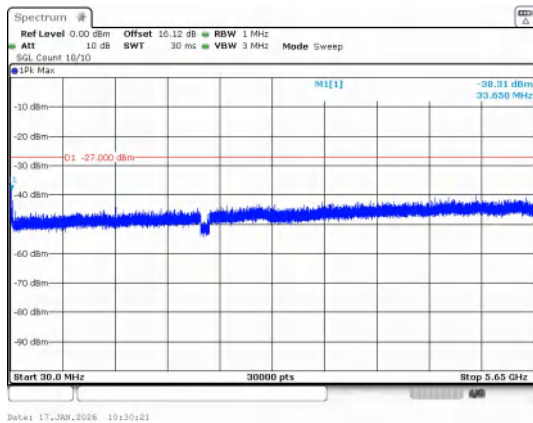
Spurious Emission:5925~25000.0 MHz

IEEE 802.11a_Channel 165_20MHz_Antenna 0



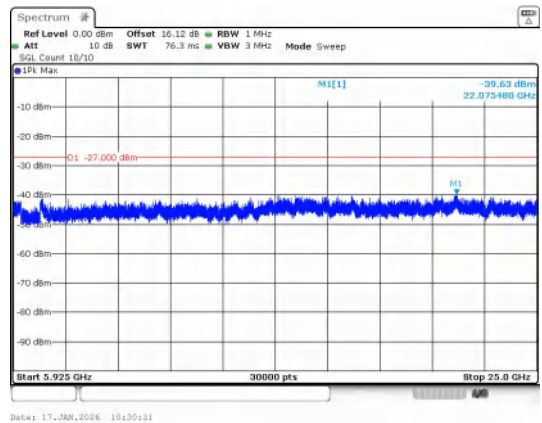
Out Of Band Emission

IEEE 802.11n_Channel 149_20MHz_Antenna 0



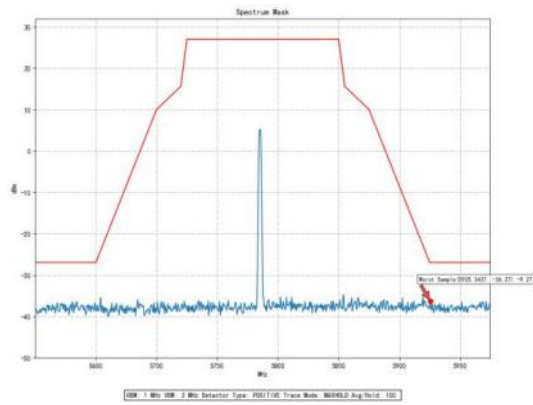
Spurious Emission:30.0~5650 MHz

IEEE 802.11n_Channel 149_20MHz_Antenna 0

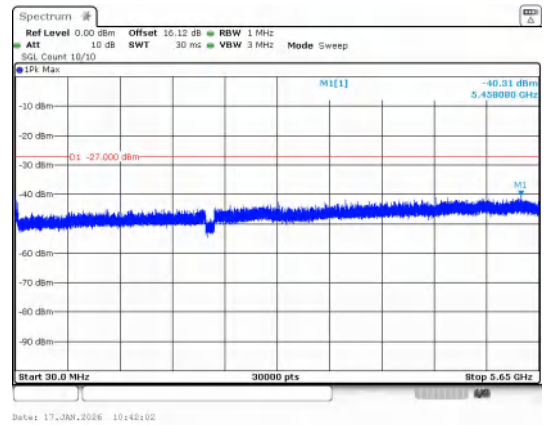


Spurious Emission:5925~25000.0 MHz

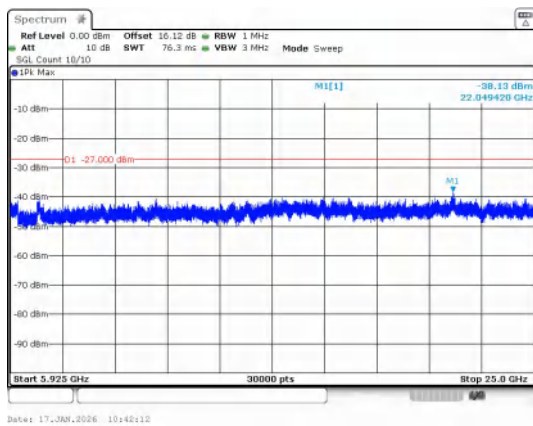
IEEE 802.11n_Channel 149_20MHz_Antenna 0



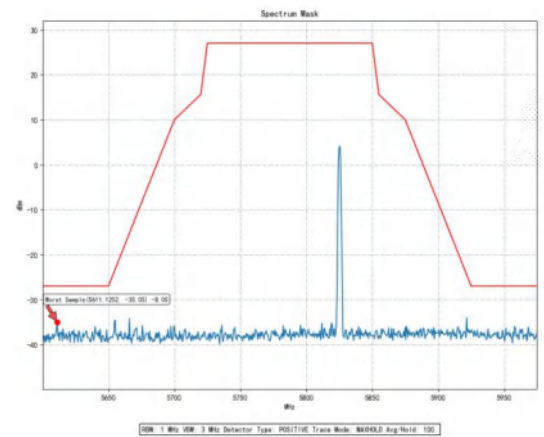
Out Of Band Emission
IEEE 802.11n_Channel 157_20MHz_Antenna 0



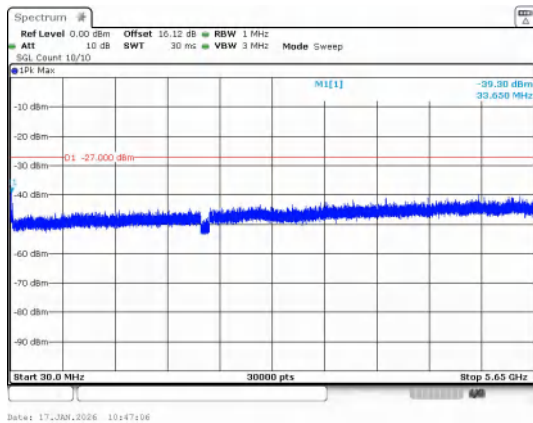
Spurious Emission:30.0~5650 MHz
IEEE 802.11n_Channel 157_20MHz_Antenna 0



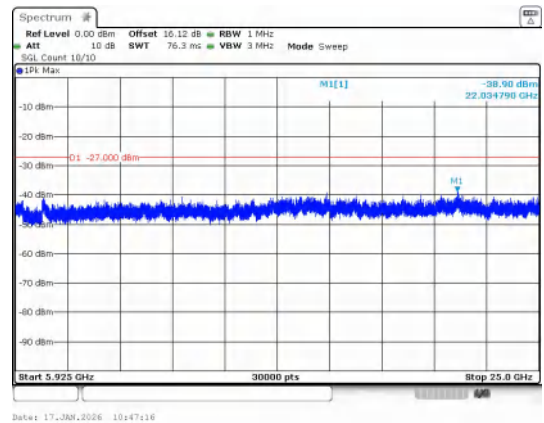
Spurious Emission:5925~25000.0 MHz
IEEE 802.11n_Channel 157_20MHz_Antenna 0



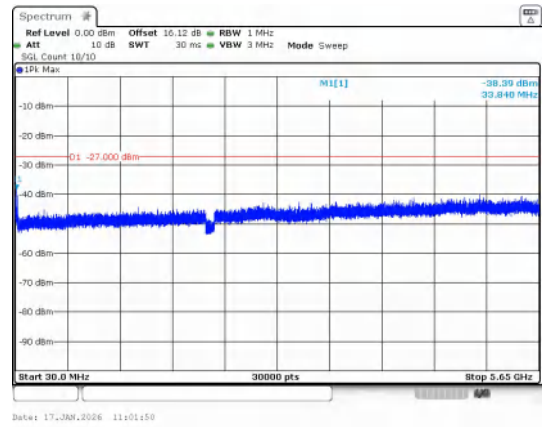
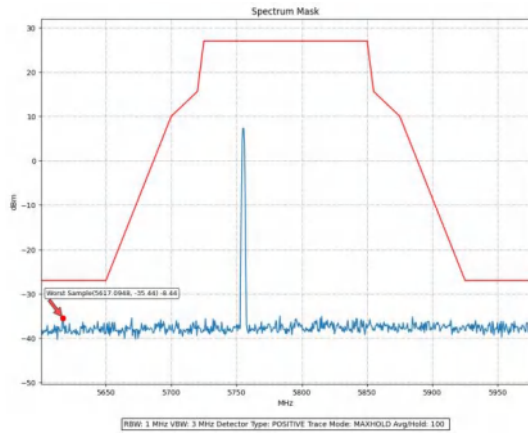
Out Of Band Emission
IEEE 802.11n_Channel 165_20MHz_Antenna 0



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

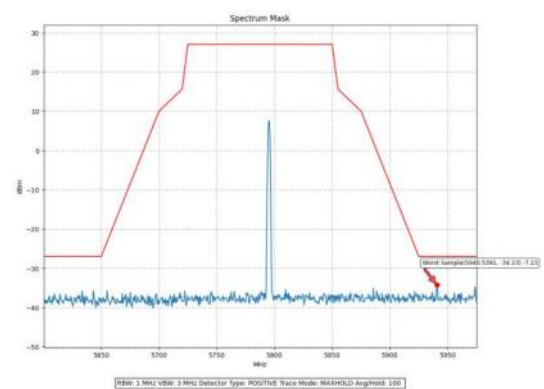
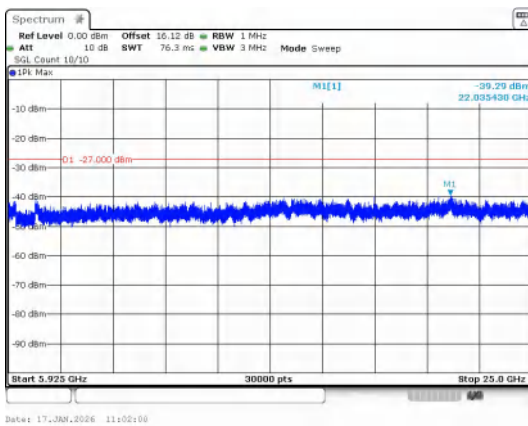


Spurious Emission:5925~25000.0 MHz
IEEE 802.11n_Channel 165_20MHz_Antenna 0



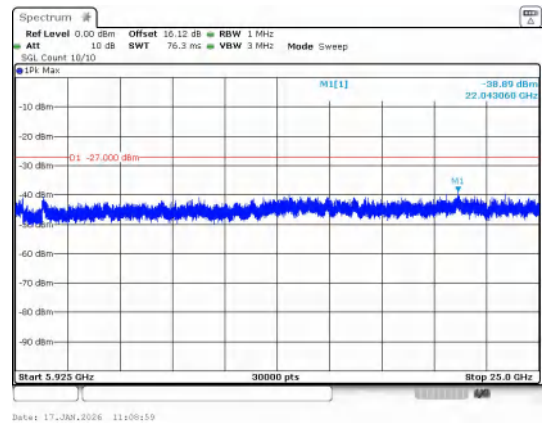
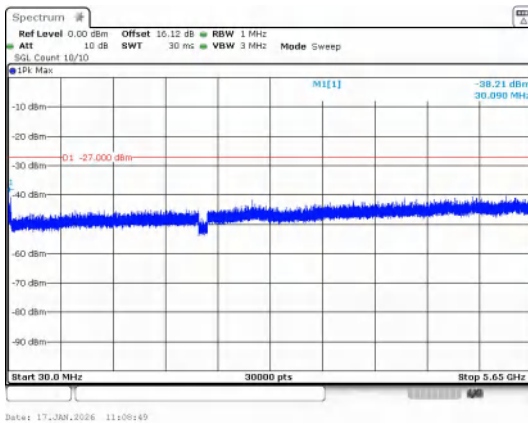
Out Of Band Emission
IEEE 802.11n_Channel 151_40MHz_Antenna 0

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



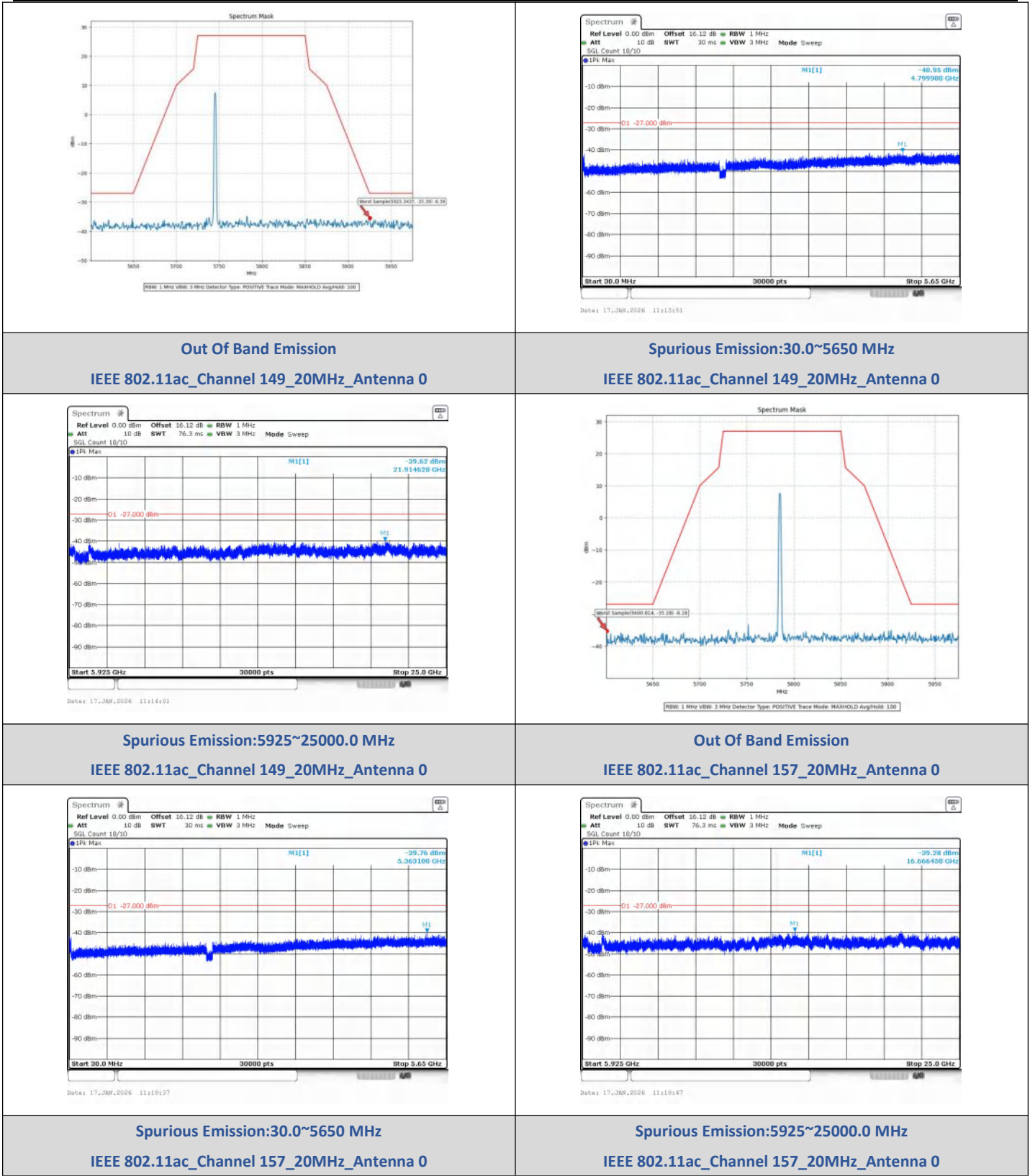
Spurious Emission:5925~25000.0 MHz
IEEE 802.11n_Channel 151_40MHz_Antenna 0

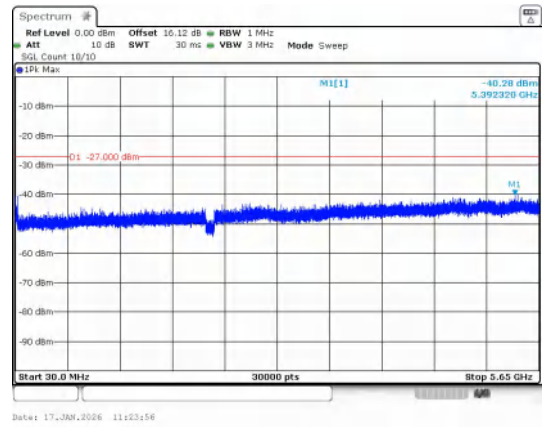
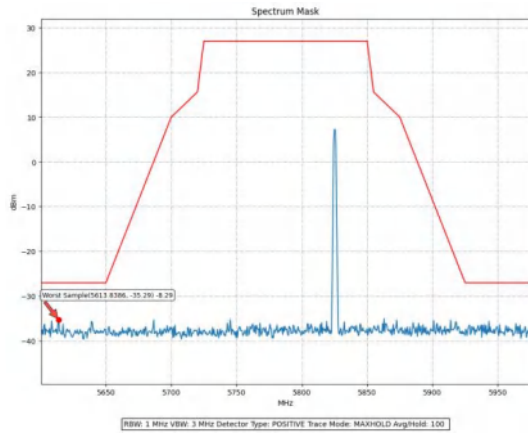
Out Of Band Emission
IEEE 802.11n_Channel 159_40MHz_Antenna 0



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

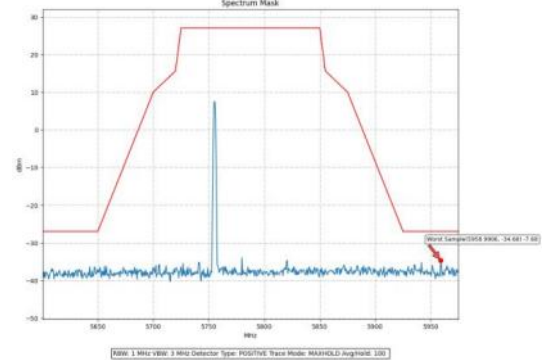
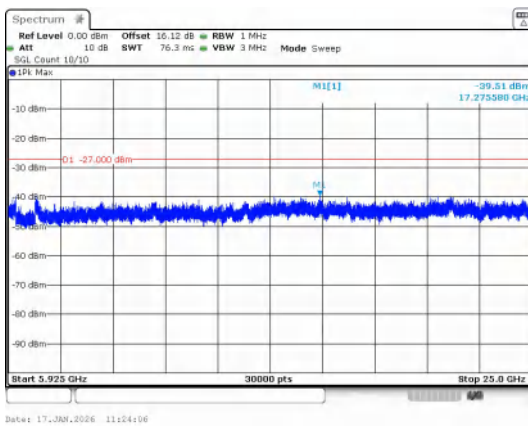
Spurious Emission:5925~25000.0 MHz
IEEE 802.11n_Channel 159_40MHz_Antenna 0





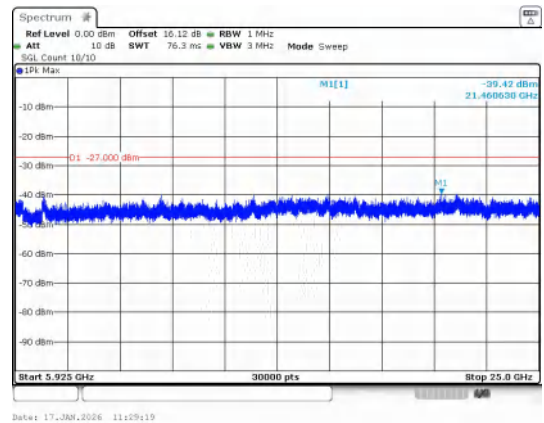
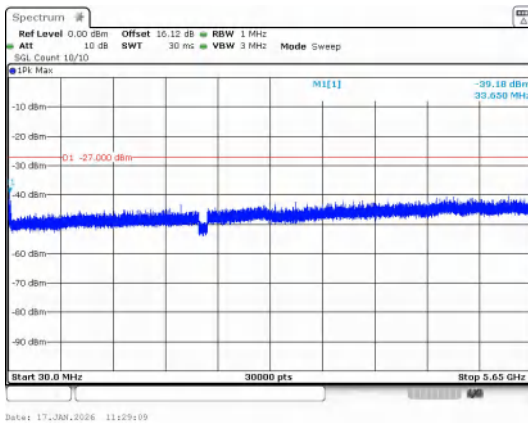
Out Of Band Emission
IEEE 802.11ac_Channel 165_20MHz_Antenna 0

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



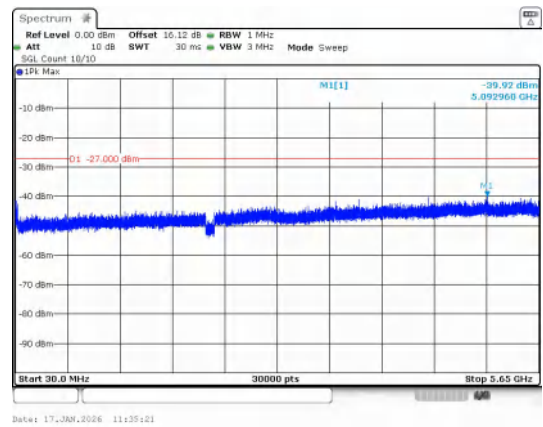
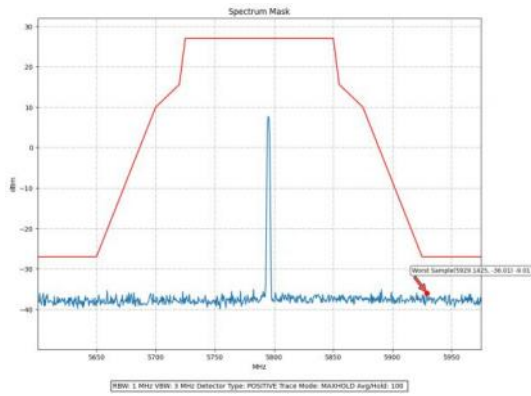
Spurious Emission:5925~25000.0 MHz
IEEE 802.11ac_Channel 165_20MHz_Antenna 0

Out Of Band Emission
IEEE 802.11ac_Channel 151_40MHz_Antenna 0



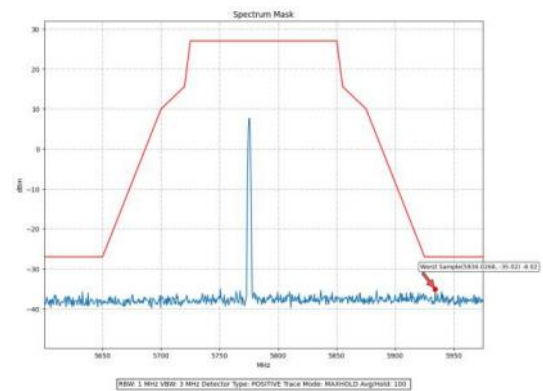
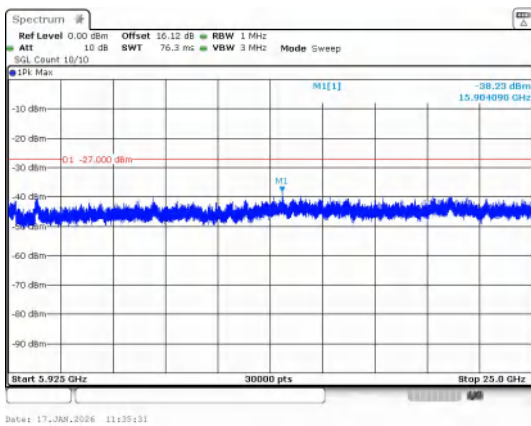
Spurious Emission:30.0~5650 MHz
IEEE 802.11ac_Channel 151_40MHz_Antenna 0

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



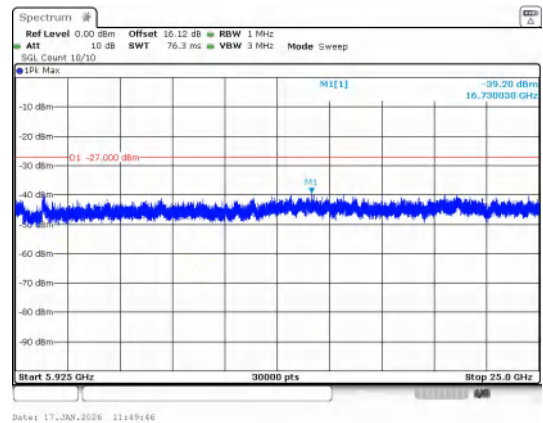
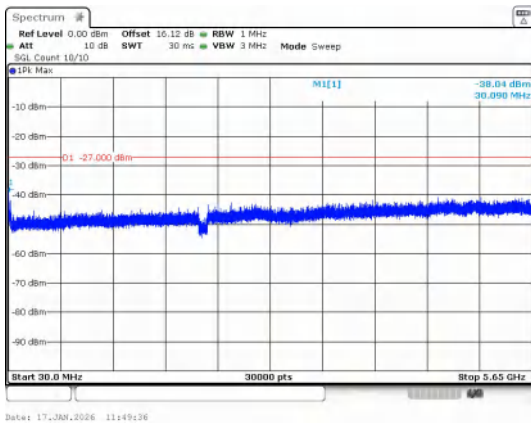
Out Of Band Emission
IEEE 802.11ac_Channel 159_40MHz_Antenna 0

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



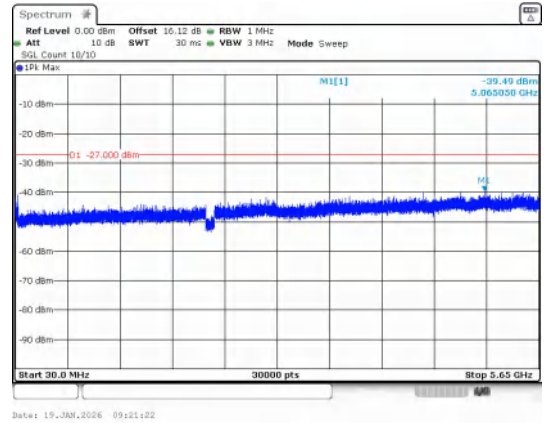
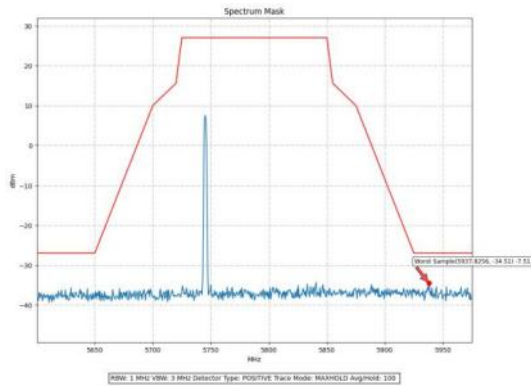
Spurious Emission:5925~25000.0 MHz
IEEE 802.11ac_Channel 159_40MHz_Antenna 0

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

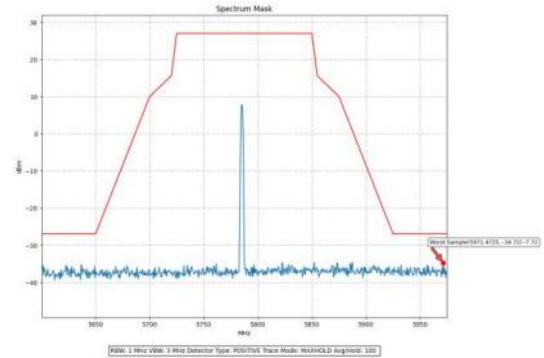
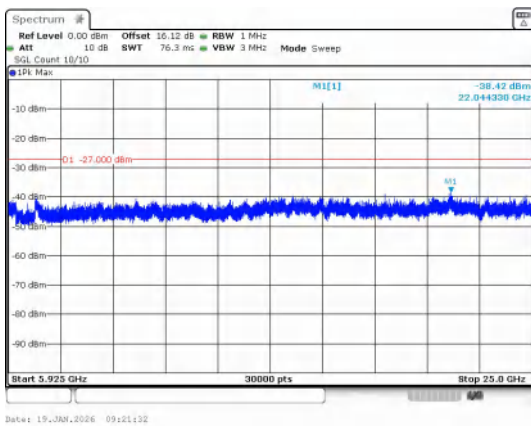


Out Of Band Emission

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

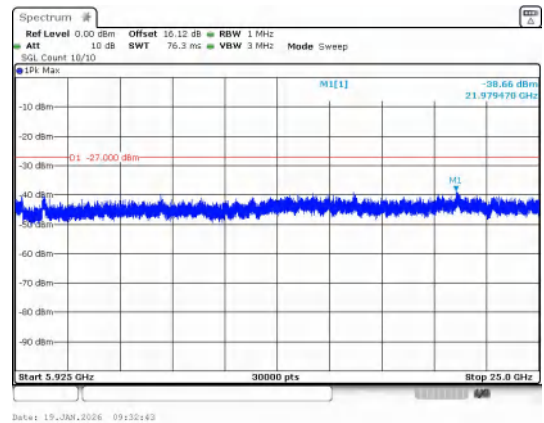
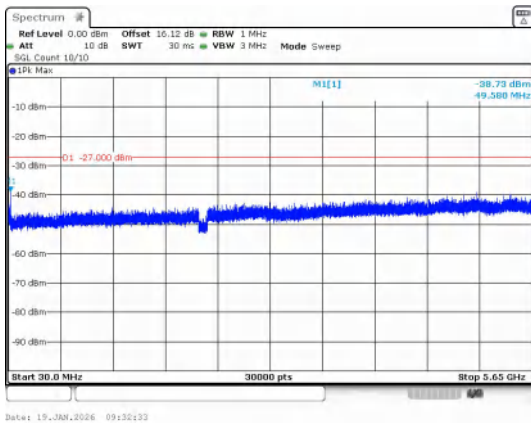


Spurious Emission:5925~25000.0 MHz

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

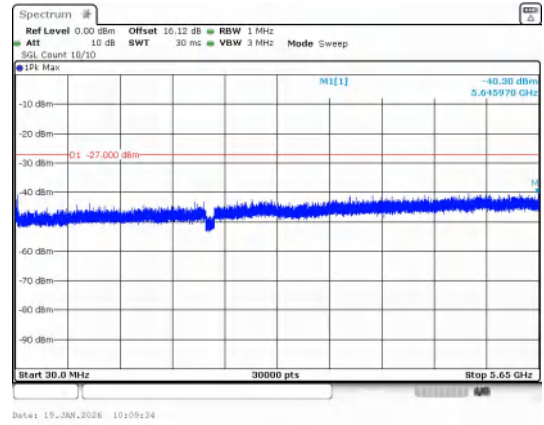
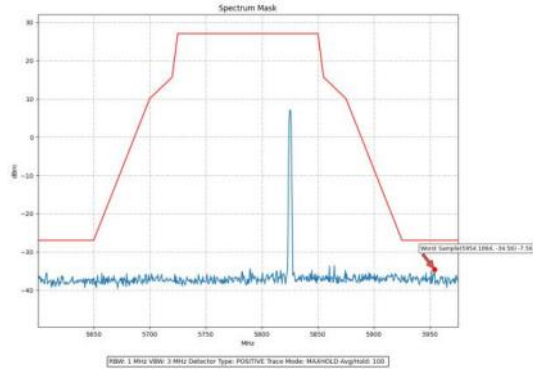


Spurious Emission:30.0~5650 MHz

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

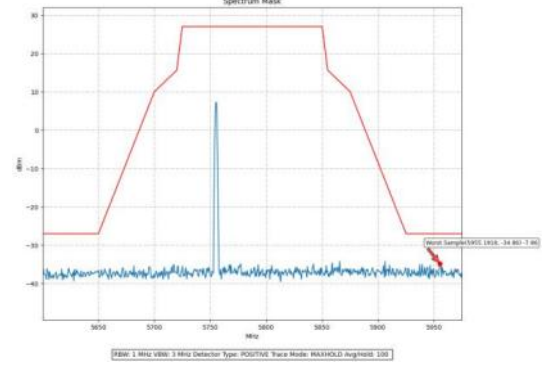
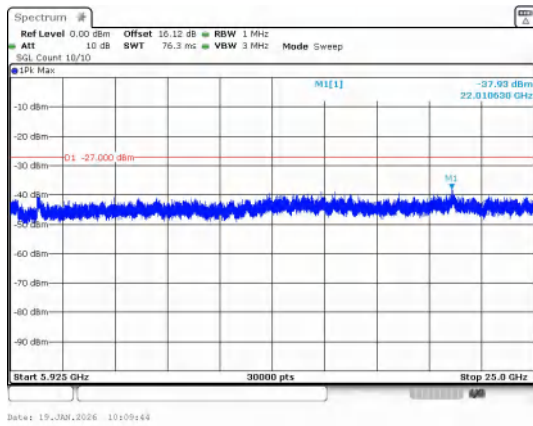


Out Of Band Emission

IEEE 802.11ax_Channel 165_20MHz_Antenna 0_RU&Index SU

Spurious Emission:30.0~5650 MHz

IEEE 802.11ax_Channel 165_20MHz_Antenna 0_RU&Index SU

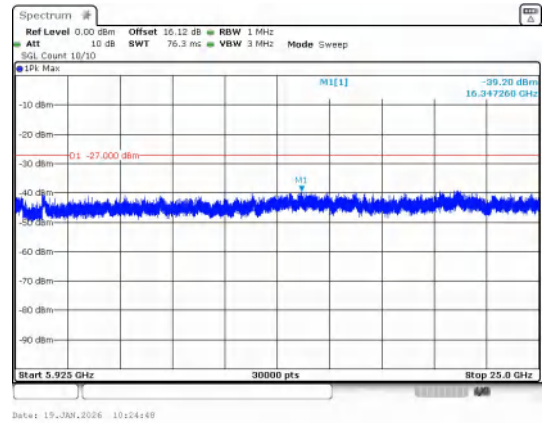
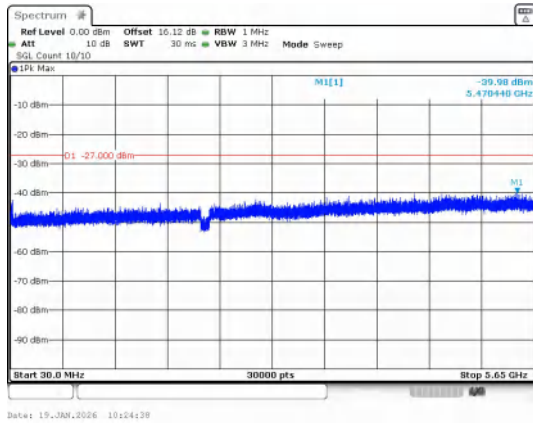


Spurious Emission:5925~25000.0 MHz

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

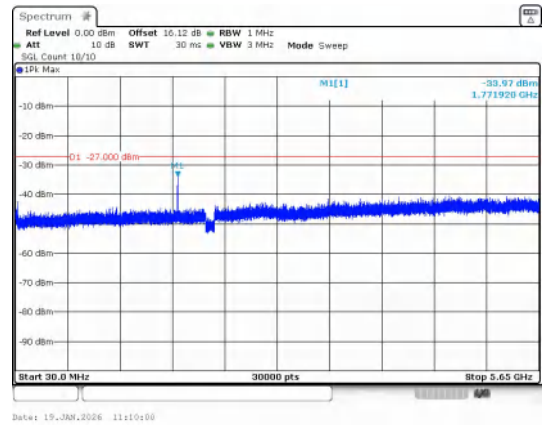
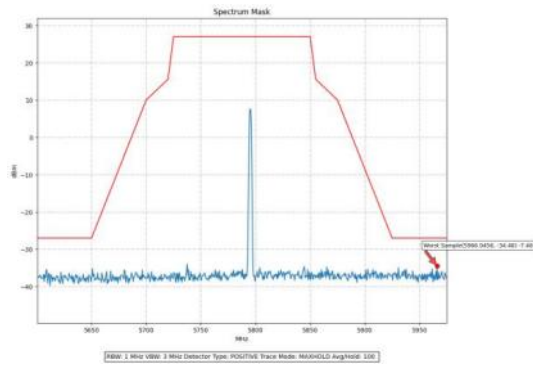


Spurious Emission:30.0~5650 MHz

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

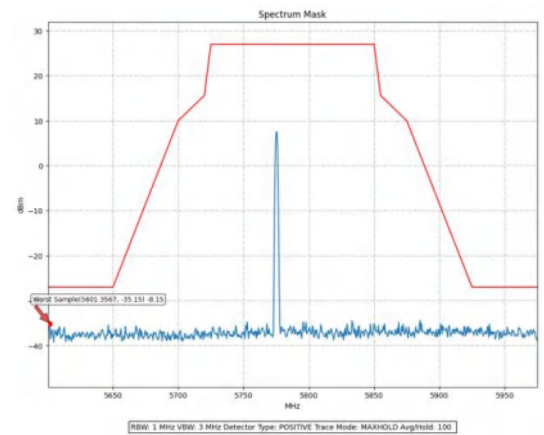
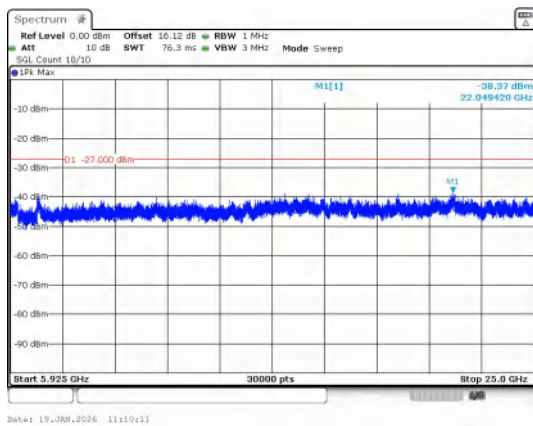


Out Of Band Emission

IEEE 802.11ax_Channel 159_40MHz_Antenna 0_RU&Index SU

Spurious Emission:30.0~5650 MHz

IEEE 802.11ax_Channel 159_40MHz_Antenna 0_RU&Index SU

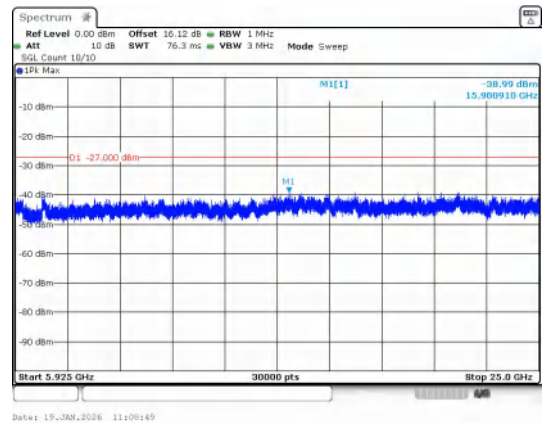
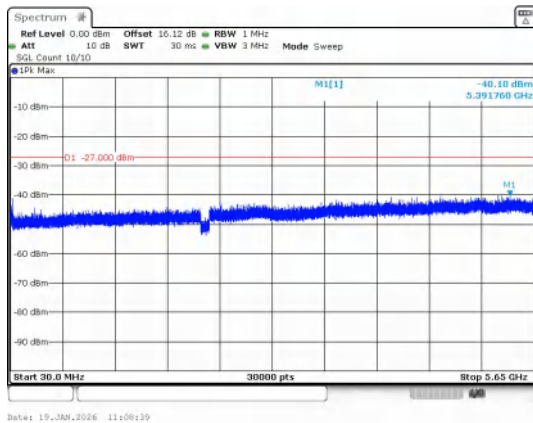


Spurious Emission:5925~25000.0 MHz

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