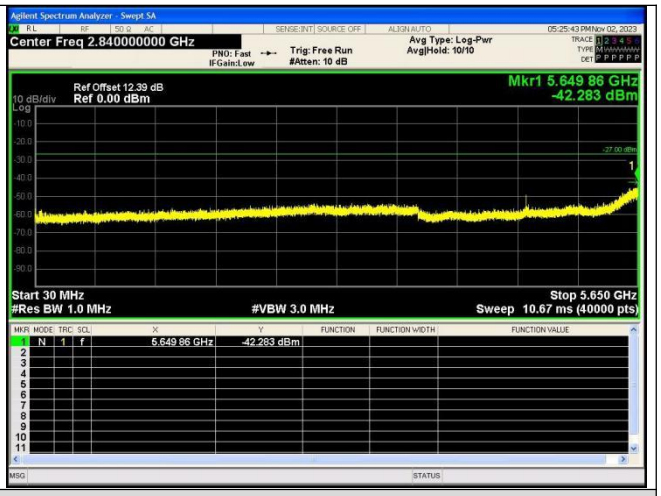
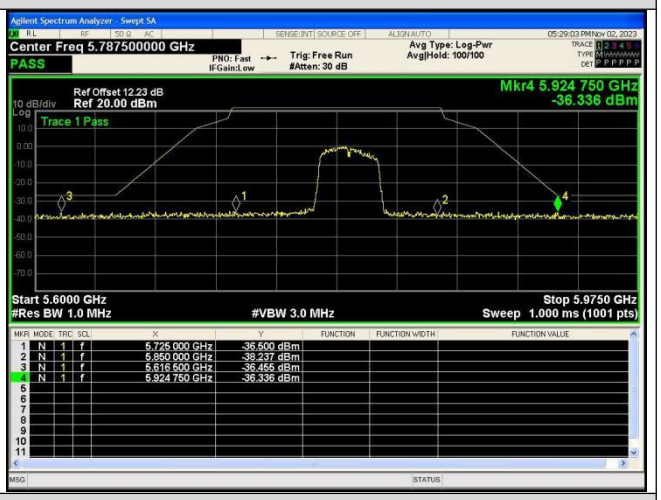
Out Of Band Emission
IEEE 802.11n_Channel 151_40MHz_Antenna 0



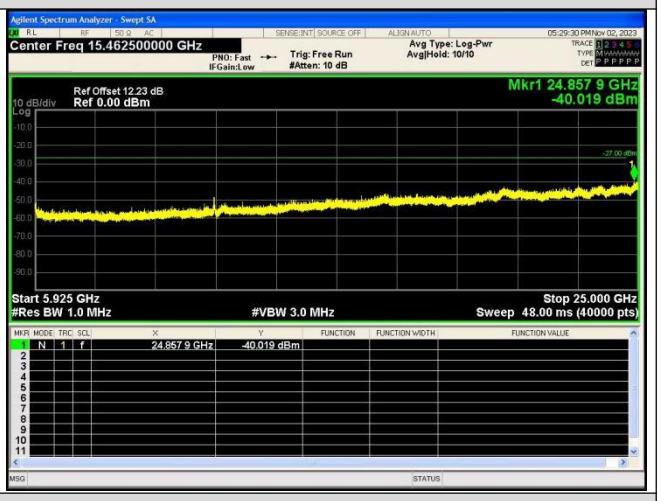
Spurious Emission:30.0~5650 MHz
IEEE 802.11n_Channel 151_40MHz_Antenna 0

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



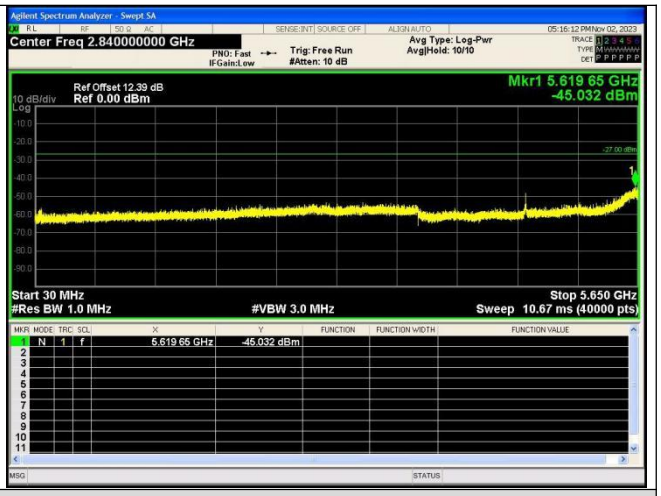
Out Of Band Emission
IEEE 802.11n_Channel 159_40MHz_Antenna 0

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



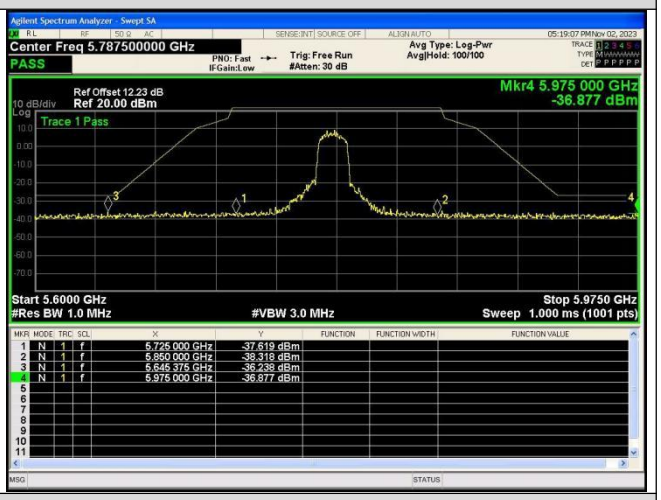
Spurious Emission:5925~25000.0 MHz
IEEE 802.11n_Channel 159_40MHz_Antenna 0

Out Of Band Emission
IEEE 802.11ac_Channel 149_20MHz_Antenna 0



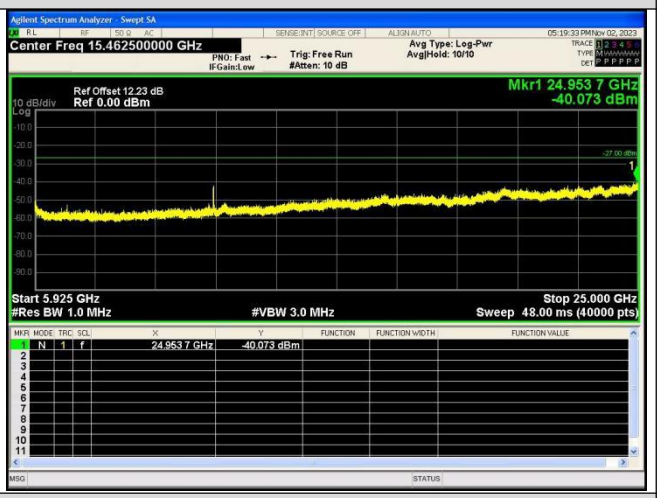
Spurious Emission:30.0~5650 MHz
IEEE 802.11ac_Channel 149_20MHz_Antenna 0

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



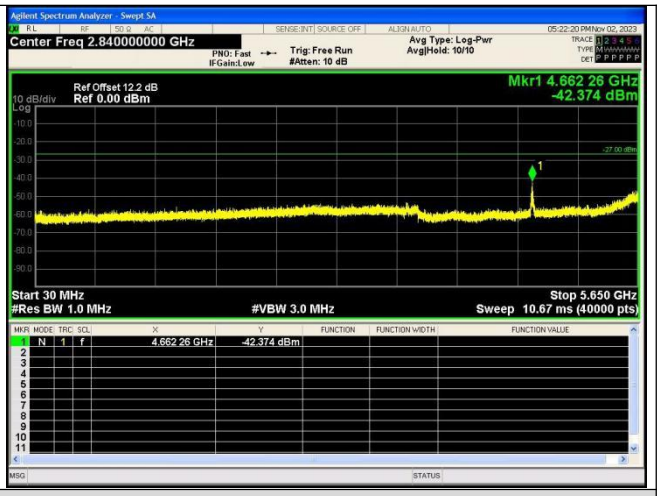
Out Of Band Emission
IEEE 802.11ac_Channel 157_20MHz_Antenna 0

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

Out Of Band Emission
IEEE 802.11ac_Channel 165_20MHz_Antenna 0



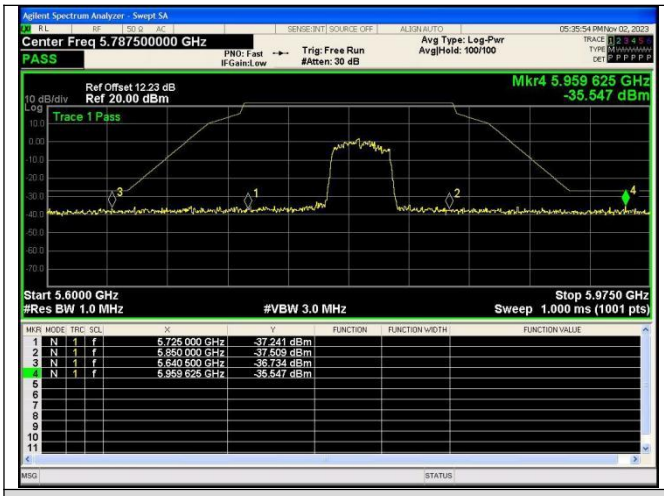
Spurious Emission:30.0~5650 MHz
IEEE 802.11ac_Channel 165_20MHz_Antenna 0

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

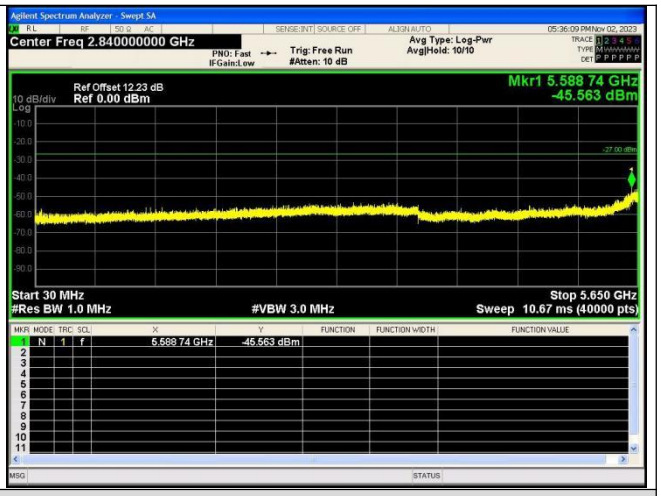
Out Of Band Emission
IEEE 802.11ac_Channel 151_40MHz_Antenna 0

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

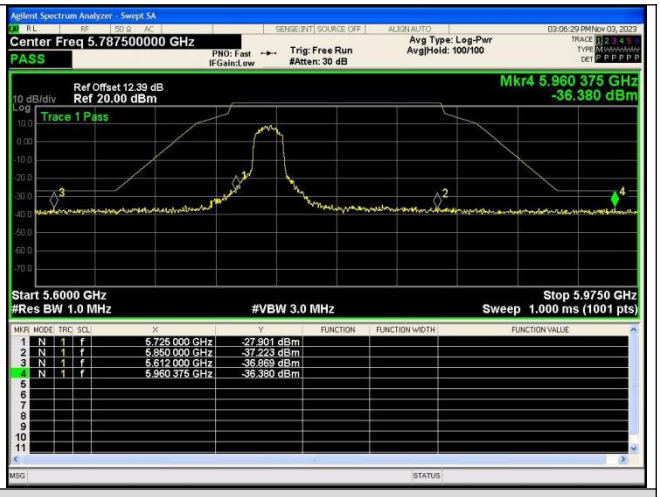
Antenna 1+2:

Test Result

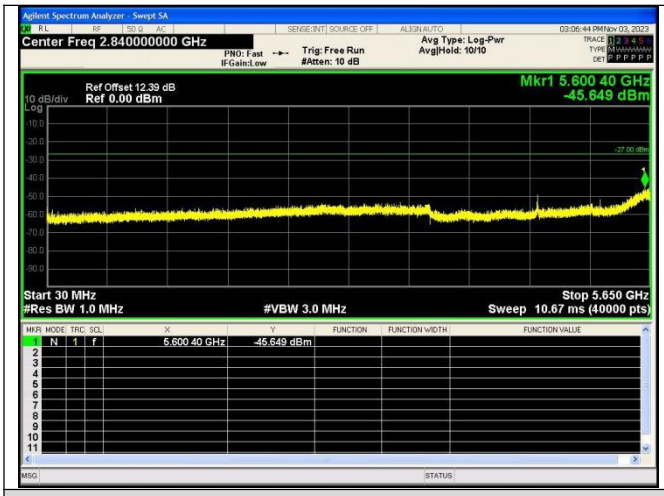
Mode	Channel	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
IEEE 802.11n_20	149		5600.40	-45.649	-27	-18.650	PASS
			5612.00	-36.869	-27	-9.869	PASS
			5725.00	-27.901	27	-54.900	PASS
			5850.00	-37.223	27	-64.220	PASS
			5960.38	-36.380	-27	-9.380	PASS
			24971.4	-39.799	-27	-12.800	PASS
	157		5611.22	-45.562	-27	-18.560	PASS
			5634.12	-36.083	-27	-9.083	PASS
			5725.00	-38.370	27	-65.370	PASS
			5850.00	-38.133	27	-65.130	PASS
			5968.62	-36.968	-27	-9.967	PASS
			24903.7	-40.041	-27	-13.040	PASS
	165		4658.75	-46.628	-27	-19.630	PASS
			5600.38	-36.205	-27	-9.205	PASS
			5725.00	-37.050	27	-64.050	PASS
			5850.00	-32.643	27	-59.640	PASS
			5948.38	-35.919	-27	-8.919	PASS
			24906.5	-40.391	-27	-13.390	PASS
IEEE 802.11n_40	151		5606.02	-44.550	-27	-17.550	PASS
			5646.50	-36.406	-27	-9.406	PASS
			5725.00	-23.979	27	-50.980	PASS
			5850.00	-37.468	27	-64.470	PASS
			5937.50	-35.803	-27	-8.803	PASS
			24874.1	-39.852	-27	-12.850	PASS
	159		5606.58	-46.307	-27	-19.310	PASS
			5637.12	-36.805	-27	-9.805	PASS
			5725.00	-39.128	27	-66.130	PASS
			5850.00	-36.924	27	-63.920	PASS
			5944.62	-36.197	-27	-9.197	PASS
			24970.9	-39.933	-27	-12.930	PASS
IEEE 802.11ac_20	149		5614.87	-44.864	-27	-17.860	PASS
			5627.38	-36.383	-27	-9.383	PASS
			5725.00	-26.502	27	-53.500	PASS
			5850.00	-38.668	27	-65.670	PASS
			5927.00	-36.146	-27	-9.146	PASS
			24884.1	-39.455	-27	-12.450	PASS
	157		5631.50	-36.514	-27	-9.514	PASS
			5646.63	-47.264	-27	-20.260	PASS
			5725.00	-37.696	27	-64.700	PASS
			5850.00	-38.382	27	-65.380	PASS

			5957.38	-35.814	-27	-8.814	PASS
			24439.2	-39.900	-27	-12.900	PASS
	165		4662.68	-44.351	-27	-17.350	PASS
			5621.75	-37.271	-27	-10.271	PASS
			5725.00	-38.864	27	-65.860	PASS
			5850.00	-32.427	27	-59.430	PASS
			5967.50	-36.559	-27	-9.559	PASS
			24957.1	-40.181	-27	-13.180	PASS
IEEE 802.11ac_40	151		5595.34	-44.150	-27	-17.150	PASS
			5627.75	-36.716	-27	-9.716	PASS
			5725.00	-22.122	27	-49.120	PASS
			5850.00	-37.114	27	-64.110	PASS
			5950.62	-36.447	-27	-9.447	PASS
			24970.4	-40.348	-27	-13.350	PASS
	159		5600.00	-36.843	-27	-9.842	PASS
			5634.97	-45.999	-27	-19.000	PASS
			5725.00	-37.383	27	-64.380	PASS
			5850.00	-35.436	27	-62.440	PASS
			5969.00	-36.797	-27	-9.797	PASS
			24925.6	-39.634	-27	-12.630	PASS
IEEE 802.11ac_80	155		5614.17	-47.298	-27	-20.300	PASS
			5634.12	-36.354	-27	-9.354	PASS
			5725.00	-38.252	27	-65.250	PASS
			5850.00	-36.861	27	-63.860	PASS
			5932.25	-35.953	-27	-8.953	PASS
			24885.1	-39.991	-27	-12.990	PASS

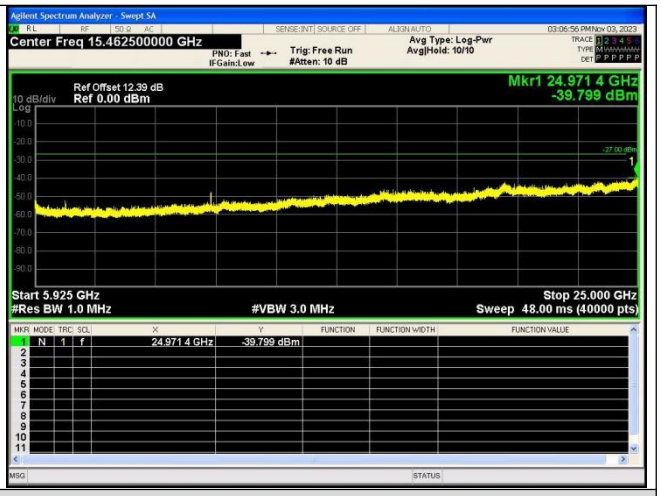
Test Graphs



Out Of Band Emission
IEEE 802.11n_Channel 149_20MHz_Antenna 0

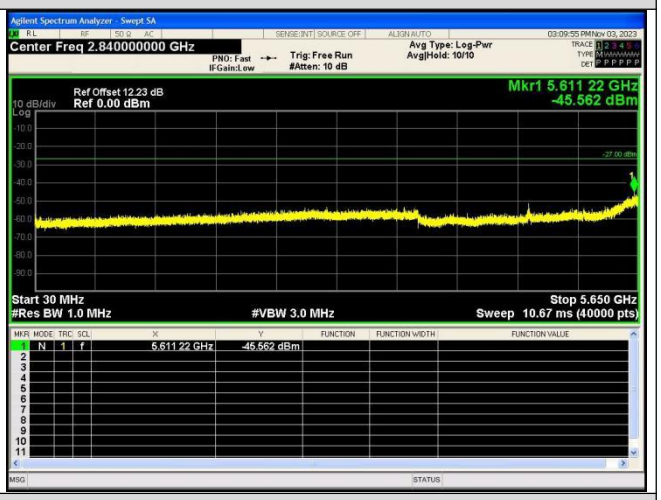


Spurious Emission:30.0~5650 MHz
IEEE 802.11n_Channel 149_20MHz_Antenna 0



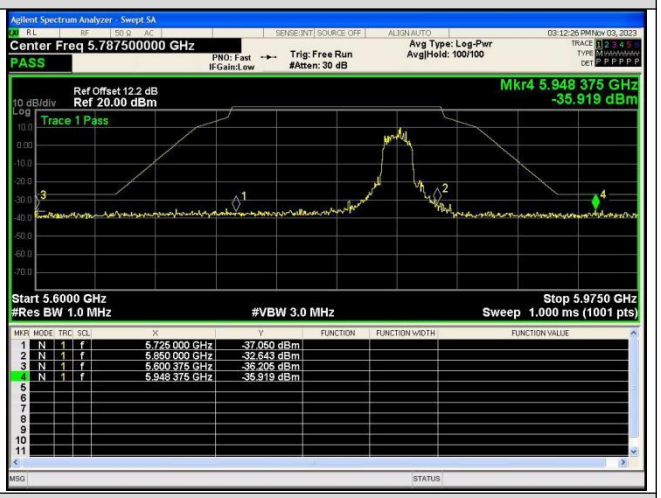
Spurious Emission:5925~25000.0 MHz
IEEE 802.11n_Channel 149_20MHz_Antenna 0

Out Of Band Emission
IEEE 802.11n_Channel 157_20MHz_Antenna 0

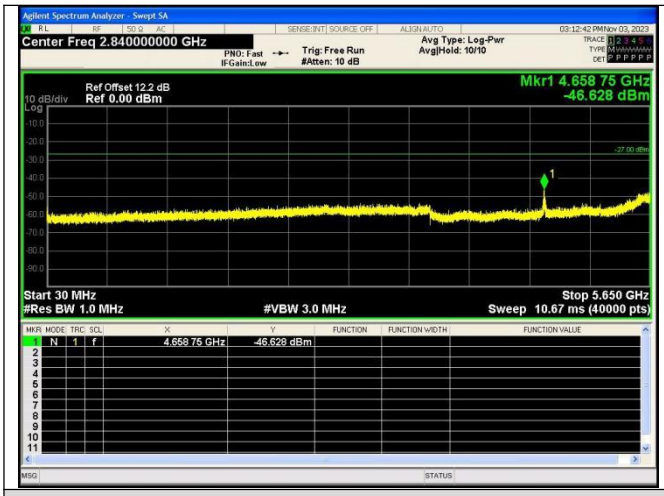


Spurious Emission:30.0~5650 MHz
IEEE 802.11n_Channel 157_20MHz_Antenna 0

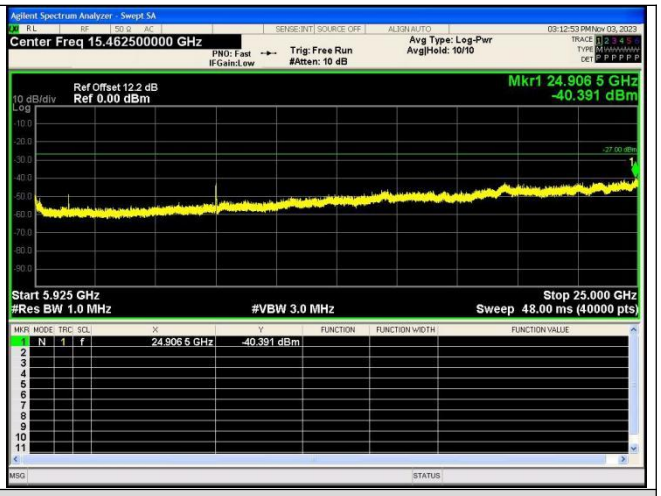
Spurious Emission:5925~25000.0 MHz
IEEE 802.11n_Channel 157_20MHz_Antenna 0



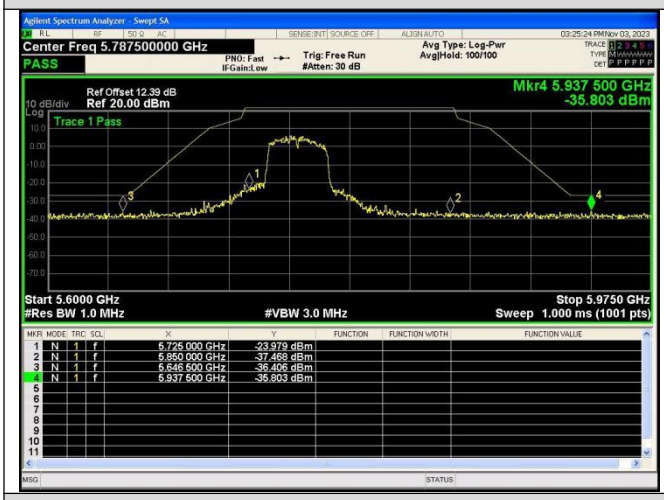
Out Of Band Emission
IEEE 802.11n_Channel 165_20MHz_Antenna 0



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



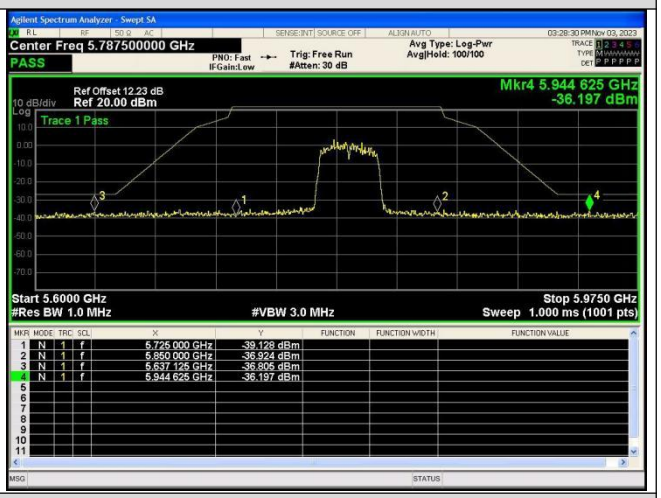
Spurious Emission:5925~25000.0 MHz
IEEE 802.11n_Channel 165_20MHz_Antenna 0



Out Of Band Emission
IEEE 802.11n_Channel 151_40MHz_Antenna 0

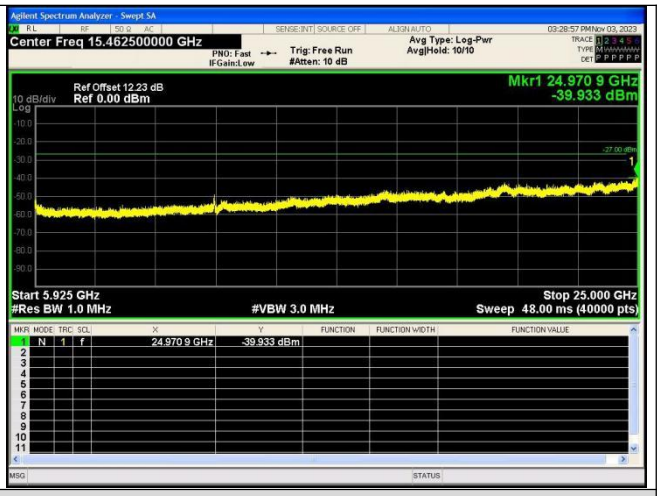
Spurious Emission:30.0~5650 MHz
IEEE 802.11n_Channel 151_40MHz_Antenna 0

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

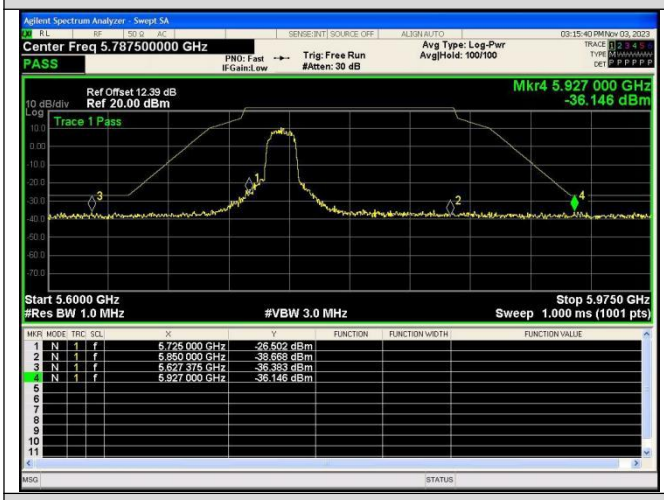


Out Of Band Emission
IEEE 802.11n_Channel 159_40MHz_Antenna 0

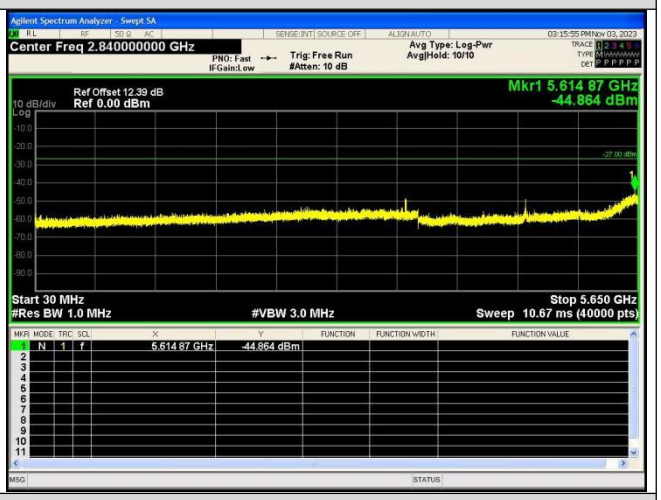
Spurious Emission:30.0~5650 MHz
IEEE 802.11n_Channel 159_40MHz_Antenna 0



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

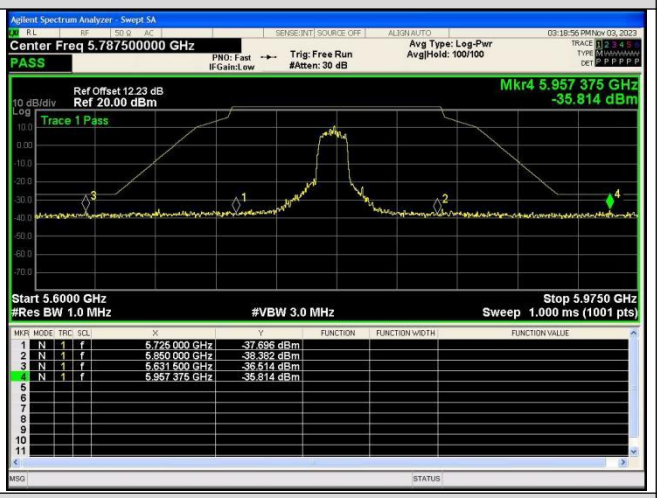


Out Of Band Emission
IEEE 802.11ac_Channel 149_20MHz_Antenna 0

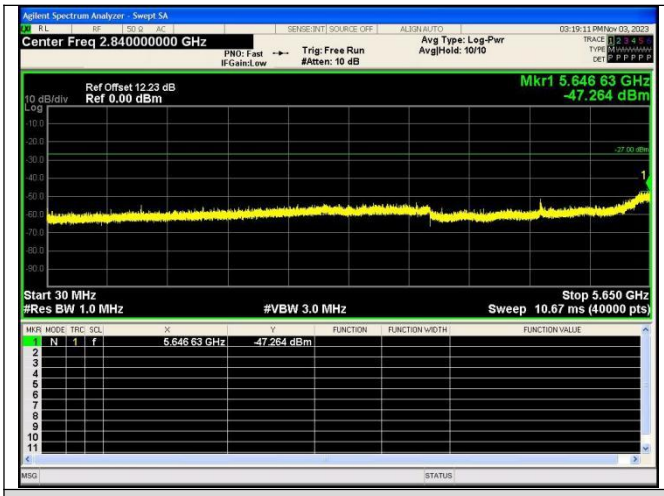


Spurious Emission:30.0~5650 MHz
IEEE 802.11ac_Channel 149_20MHz_Antenna 0

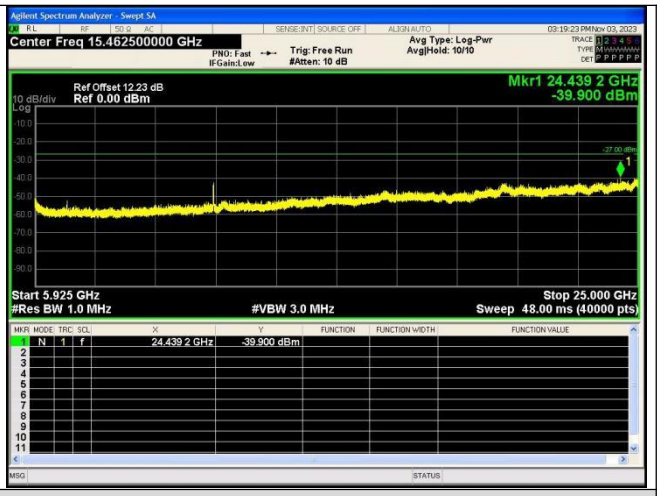
Spurious Emission:5925~25000.0 MHz
IEEE 802.11ac_Channel 149_20MHz_Antenna 0



Out Of Band Emission
IEEE 802.11ac_Channel 157_20MHz_Antenna 0

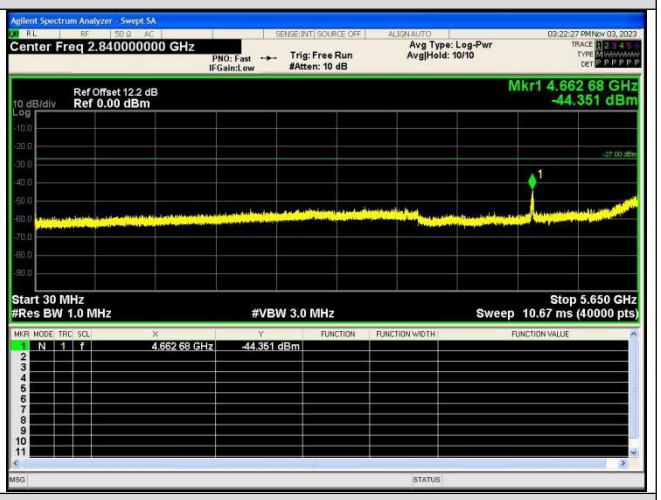


Spurious Emission:30.0~5650 MHz
IEEE 802.11ac_Channel 157_20MHz_Antenna 0



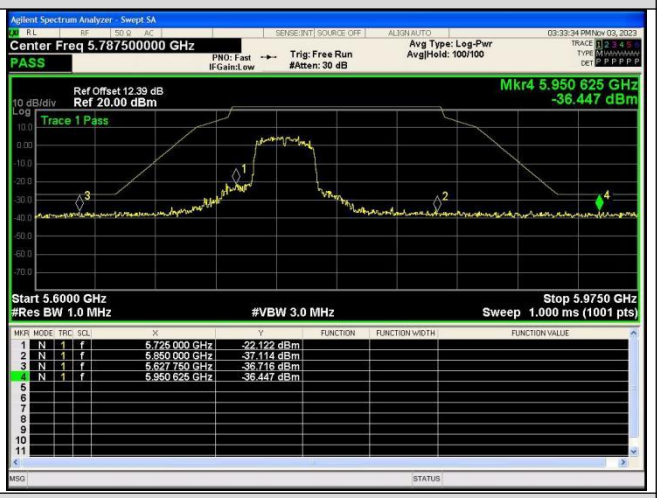
Spurious Emission:5925~25000.0 MHz
IEEE 802.11ac_Channel 157_20MHz_Antenna 0

Out Of Band Emission
IEEE 802.11ac_Channel 165_20MHz_Antenna 0

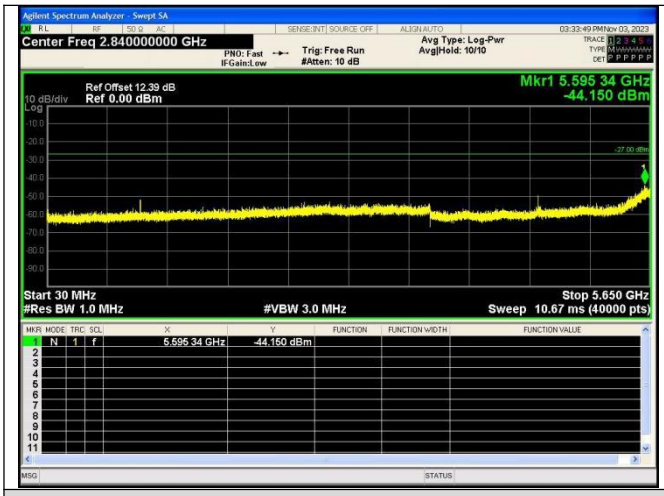


Spurious Emission:30.0~5650 MHz
IEEE 802.11ac_Channel 165_20MHz_Antenna 0

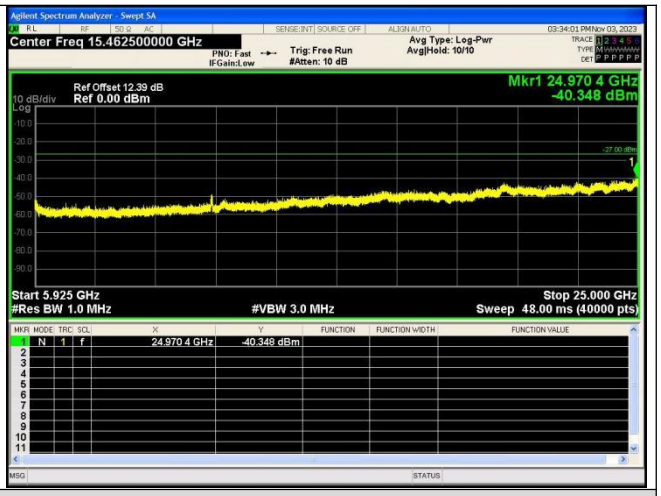
Spurious Emission:5925~25000.0 MHz
IEEE 802.11ac_Channel 165_20MHz_Antenna 0



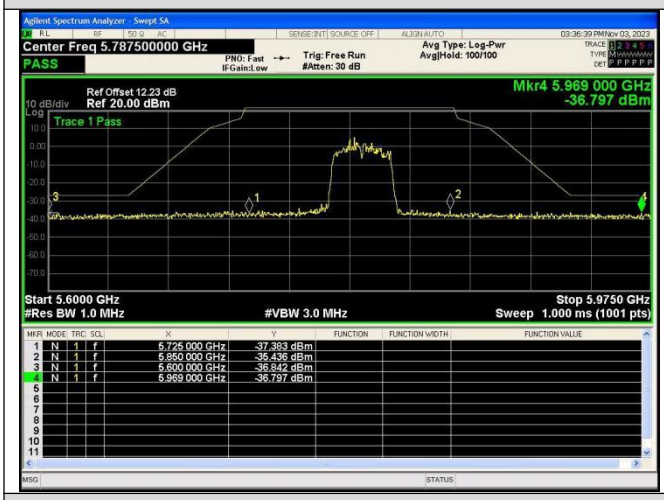
Out Of Band Emission
IEEE 802.11ac_Channel 151_40MHz_Antenna 0



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

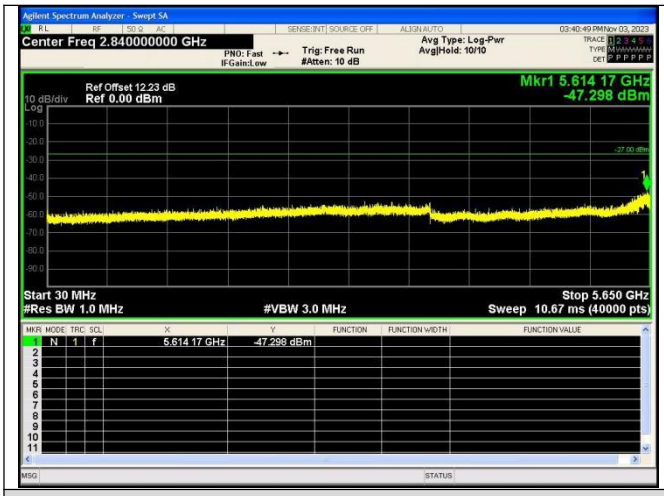


Out Of Band Emission
IEEE 802.11ac_Channel 159_40MHz_Antenna 0

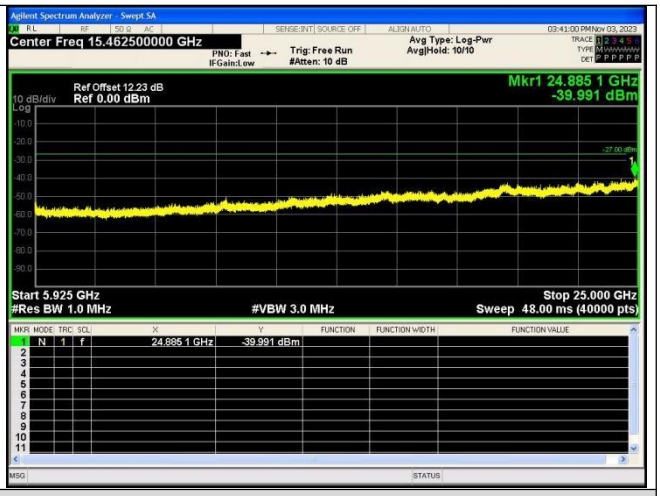
Spurious Emission:30.0~5650 MHz
IEEE 802.11ac_Channel 159_40MHz_Antenna 0

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

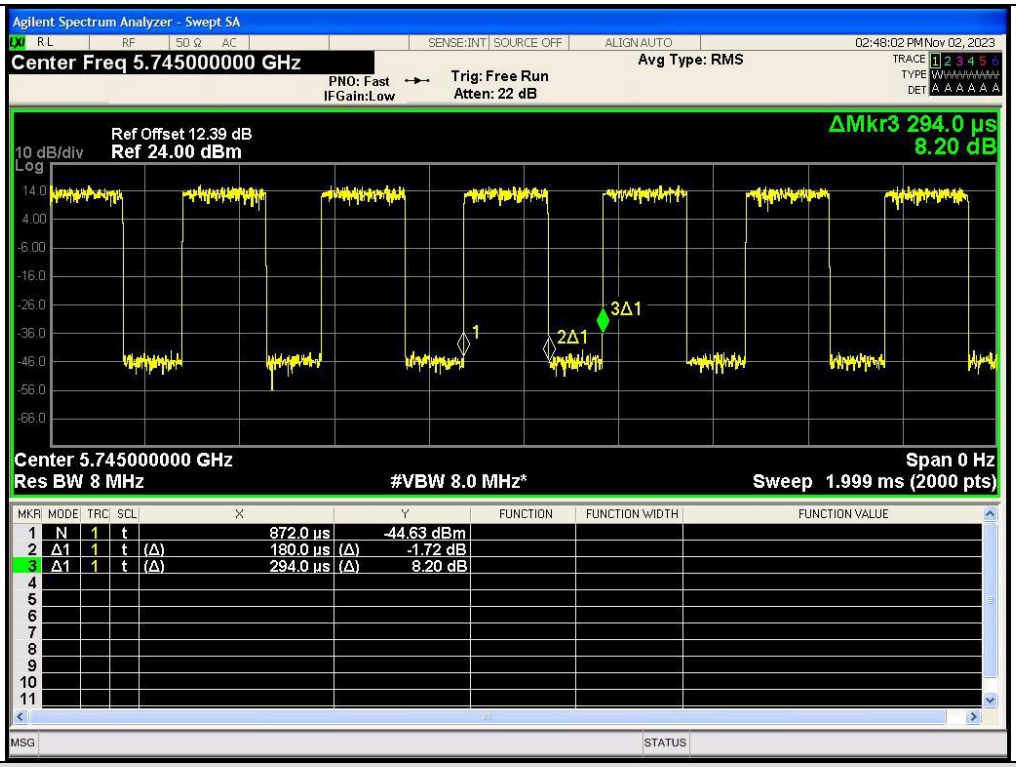
APPENDIX VII.Duty Cycle

Antenna 1:

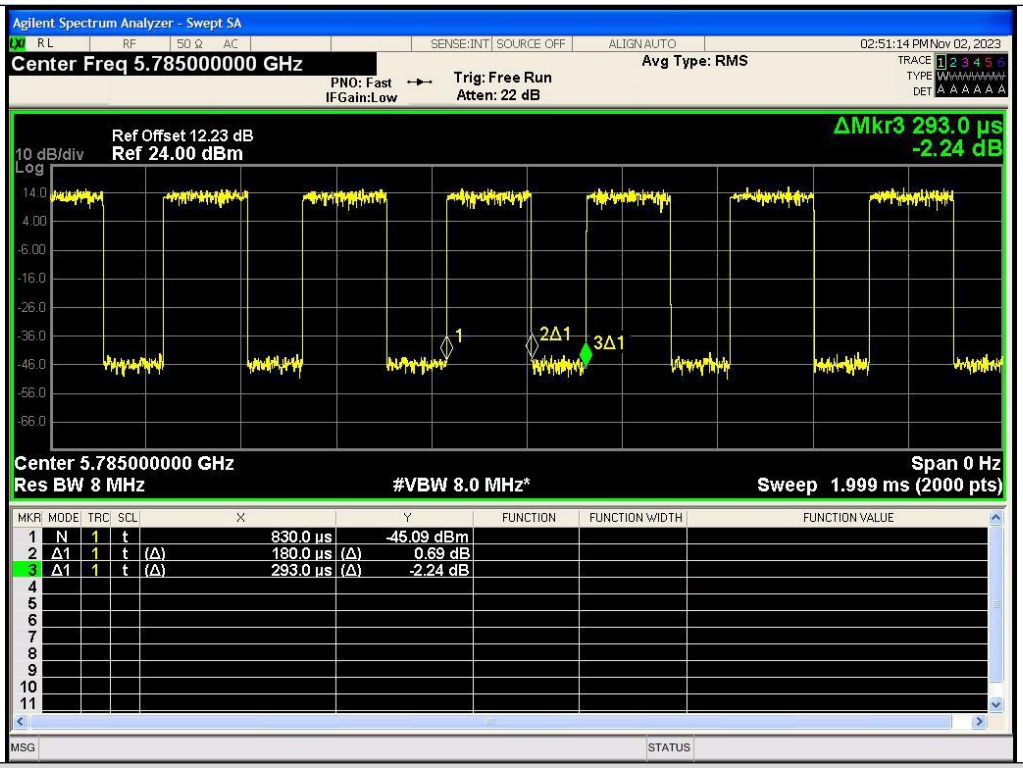
Test Result

Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
IEEE 802.11a	54	149	1	0.180	0.294	61.22	0.6122	2.1311
		157		0.180	0.293	61.43	0.6143	2.1162
		165		0.181	0.303	59.74	0.5974	2.2373
IEEE 802.11n_20	MCS 7	149		0.165	0.290	56.88	0.5688	2.4504
		157		0.165	0.299	55.15	0.5515	2.5845
		165		0.165	0.299	55.15	0.5515	2.5845
IEEE 802.11n_40		151		0.101	0.297	33.93	0.3393	4.6942
		159		0.101	0.298	33.97	0.3397	4.689
IEEE 802.11ac_20	MCS 9	149		0.172	0.385	44.68	0.4468	3.4989
		157		0.172	0.304	56.58	0.5658	2.4734
		165		0.171	0.294	57.94	0.5794	2.3702
IEEE 802.11ac_40		151		0.108	0.303	35.64	0.3564	4.4806
		159		0.107	0.293	36.52	0.3652	4.3747
IEEE 802.11ac_80		155		0.074	0.297	25.06	0.2506	6.0102

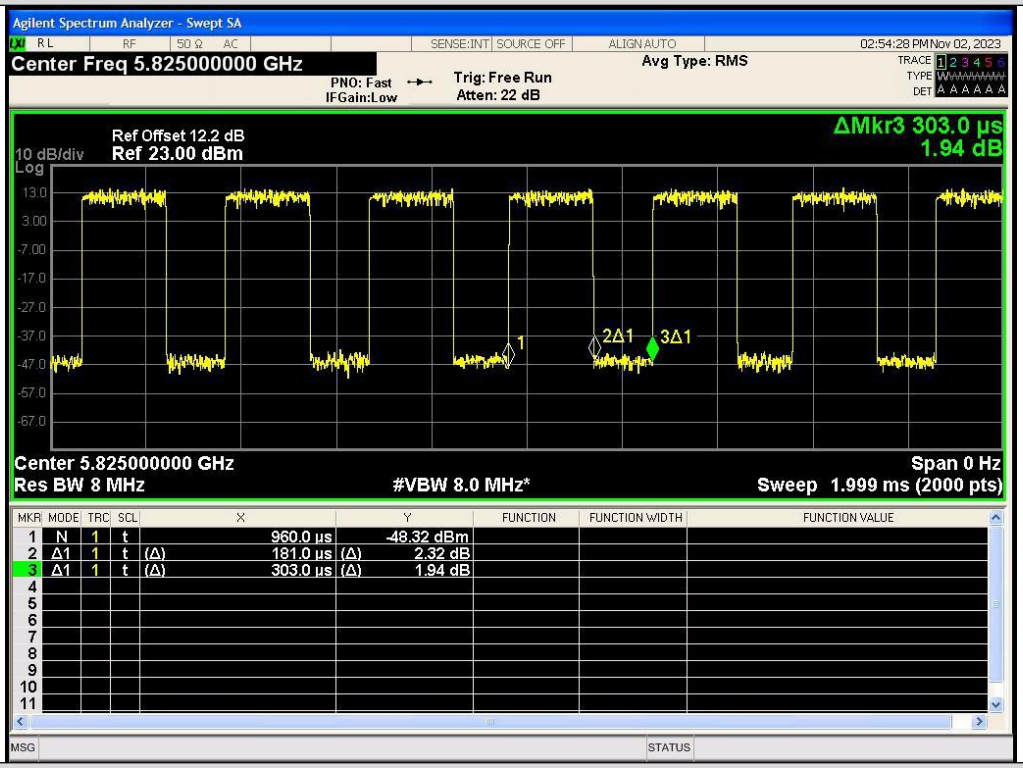
Test Graphs



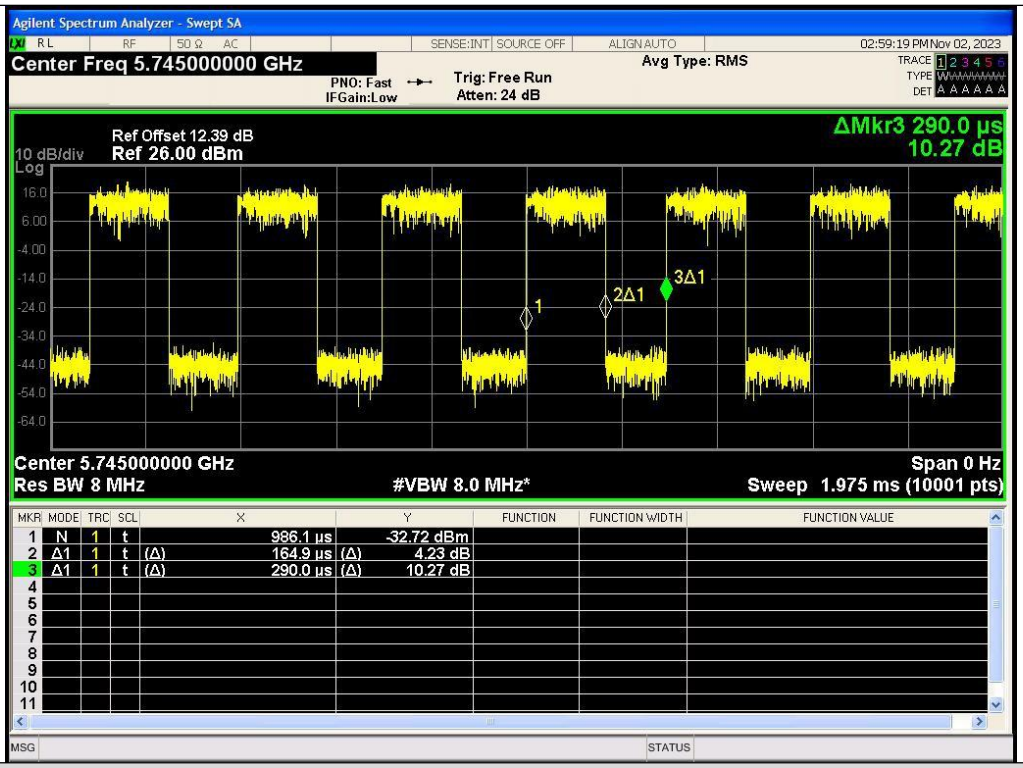
IEEE 802.11a_20MHz_Channel 149



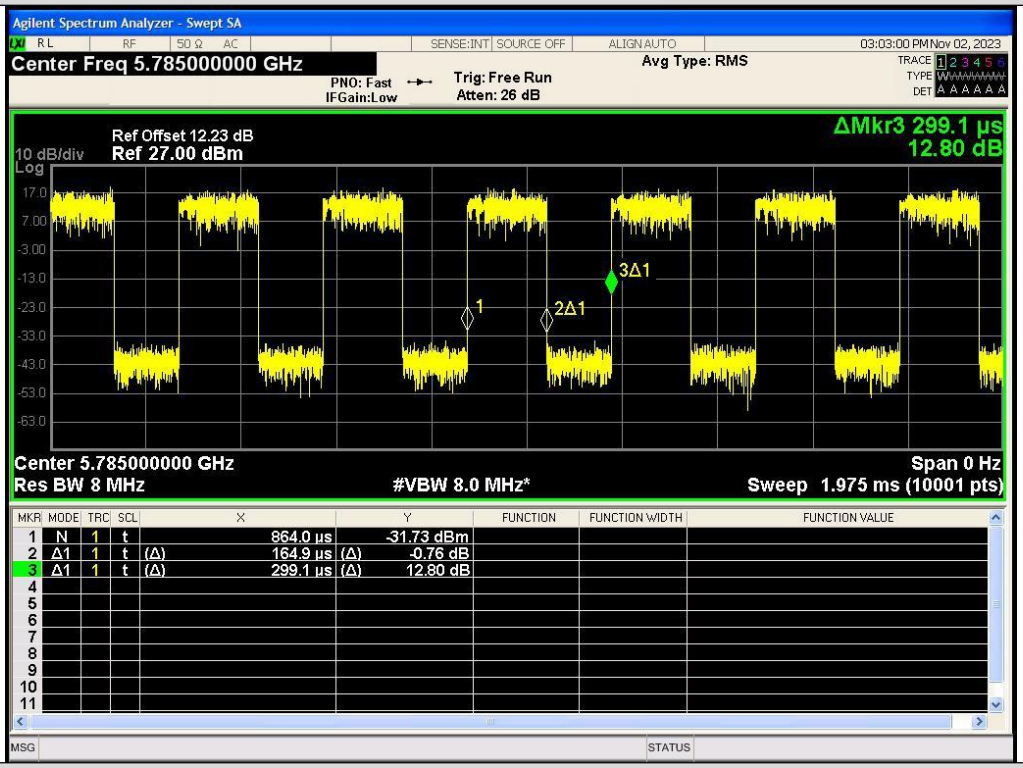
IEEE 802.11a_20MHz_Channel 157



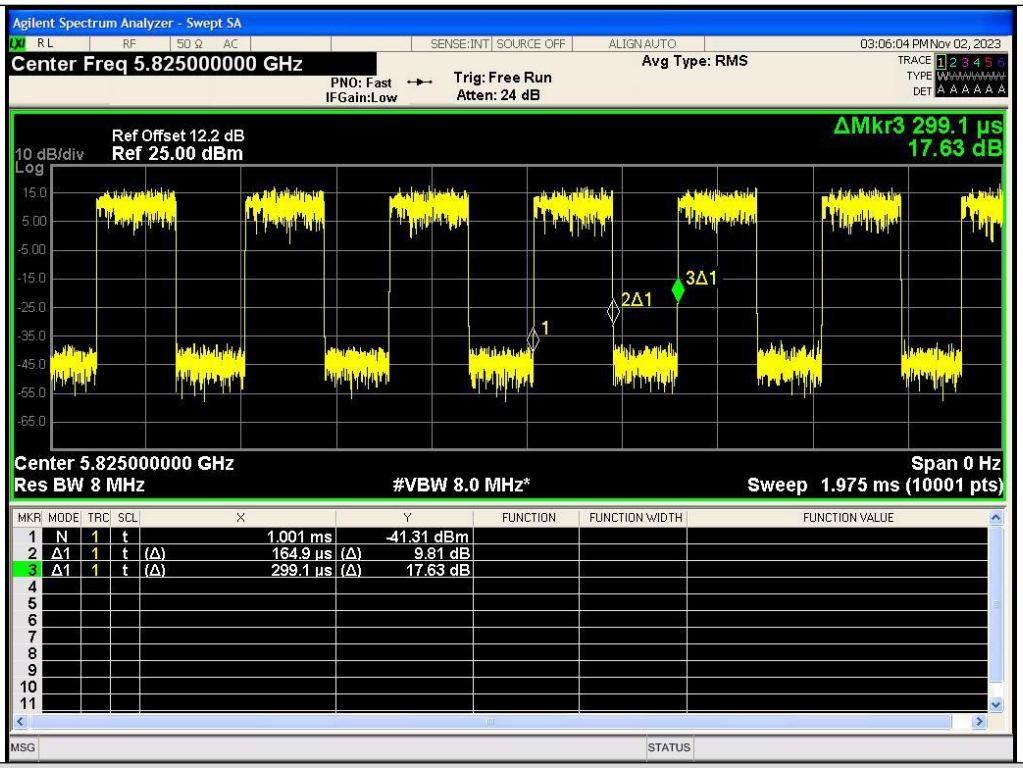
IEEE 802.11a_20MHz_Channel 165



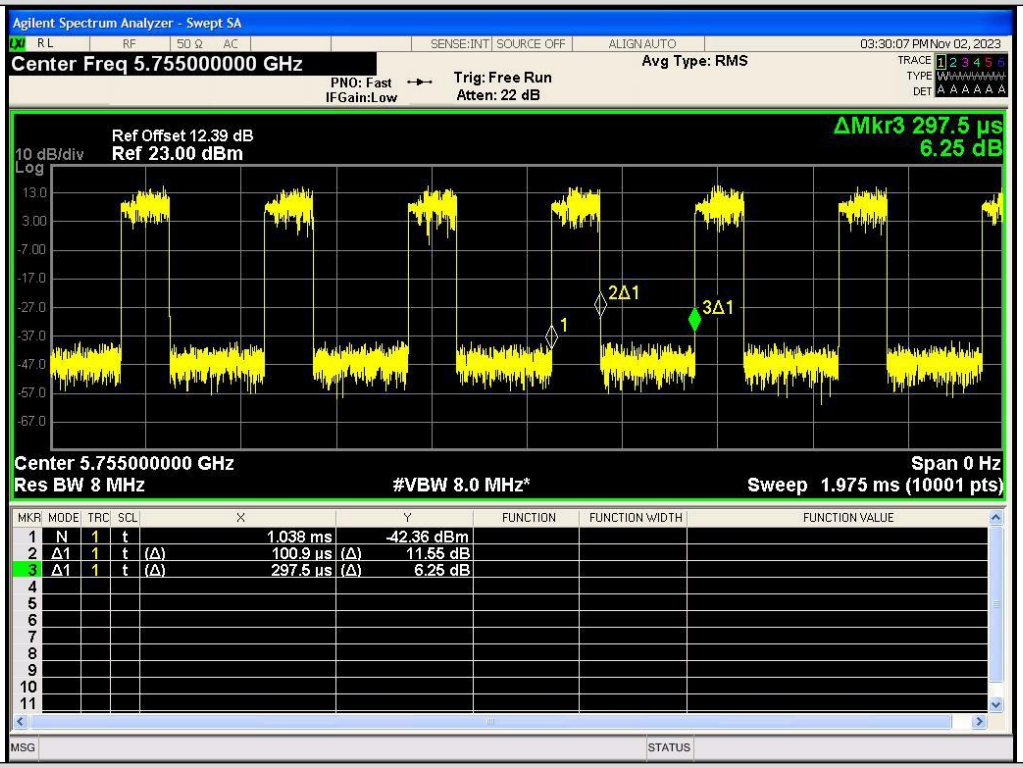
IEEE 802.11n_20MHz_Channel 149



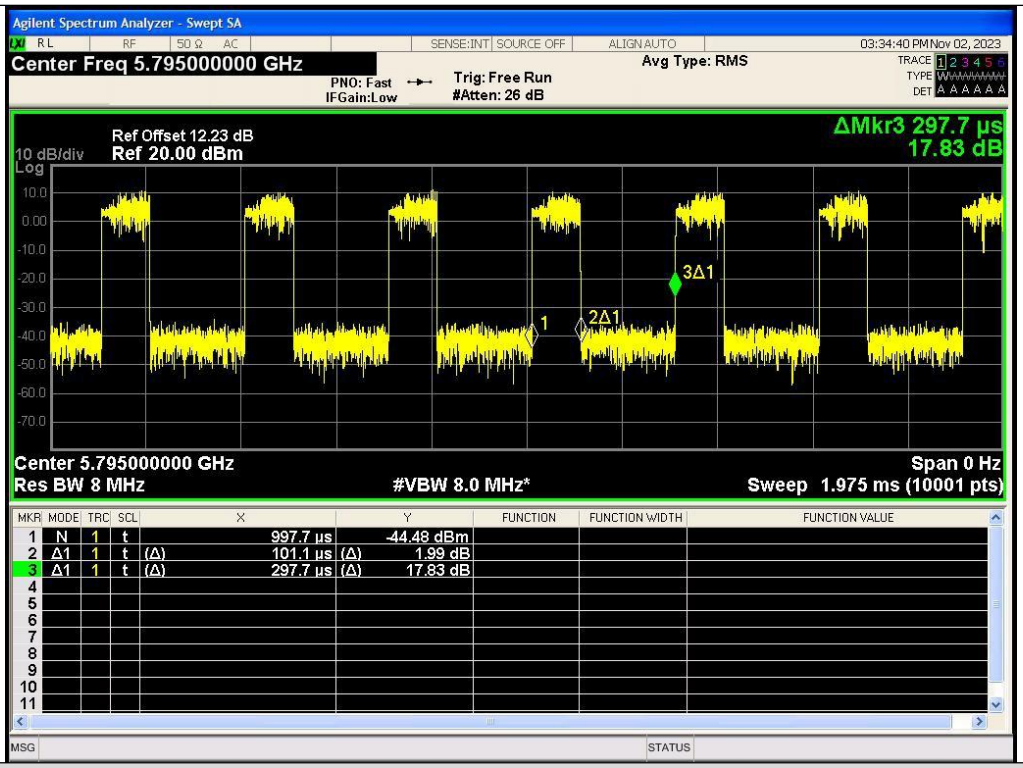
IEEE 802.11n_20MHz_Channel 157



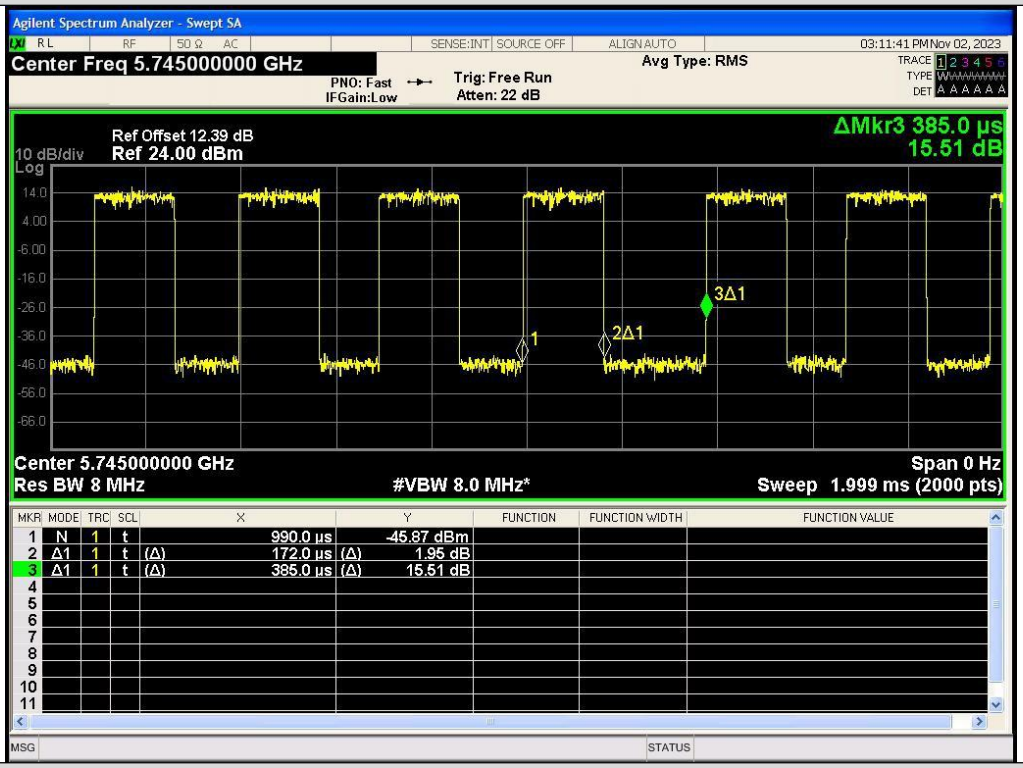
IEEE 802.11n_20MHz_Channel 165



IEEE 802.11n_40MHz_Channel 151



IEEE 802.11n_40MHz_Channel 159



IEEE 802.11ac_20MHz_Channel 149