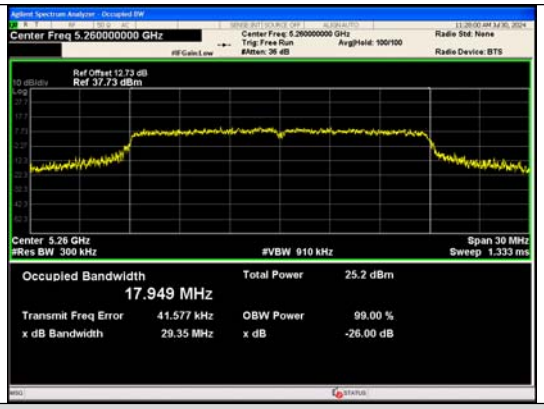
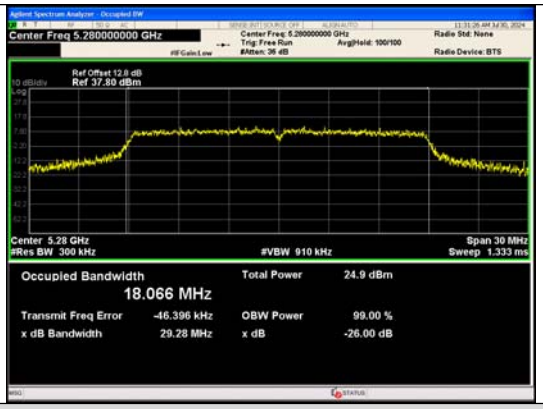
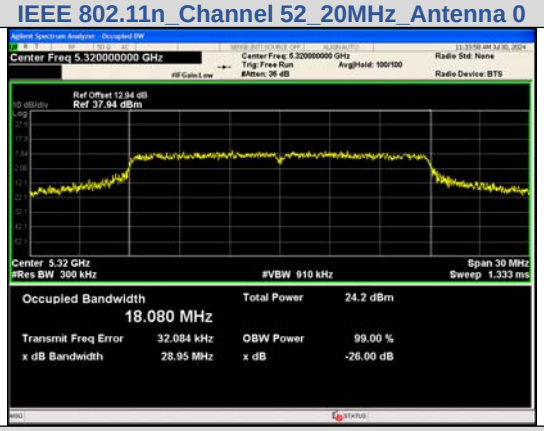


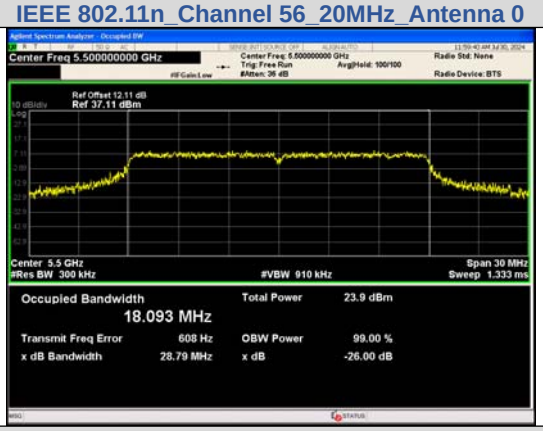
IEEE 802.11n_Channel 52_20MHz_Antenna 0



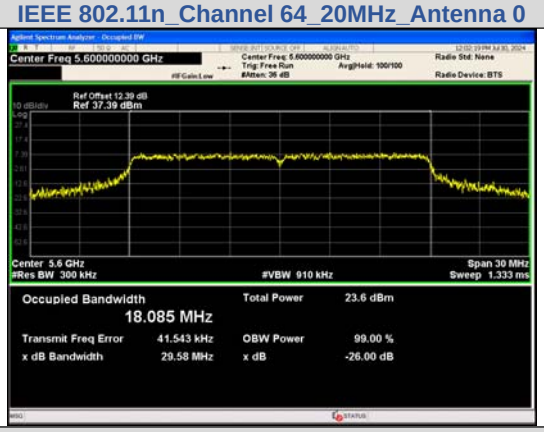
IEEE 802.11n_Channel 56_20MHz_Antenna 0



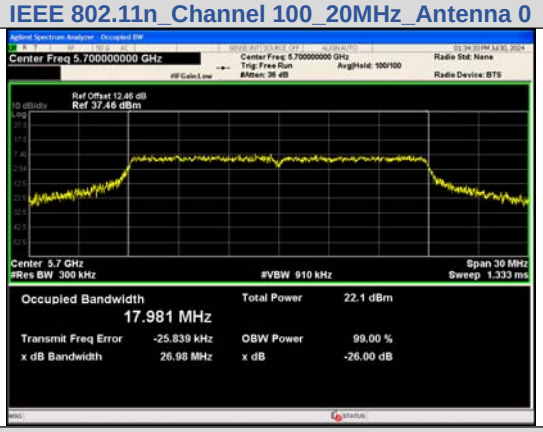
IEEE 802.11n_Channel 64_20MHz_Antenna 0



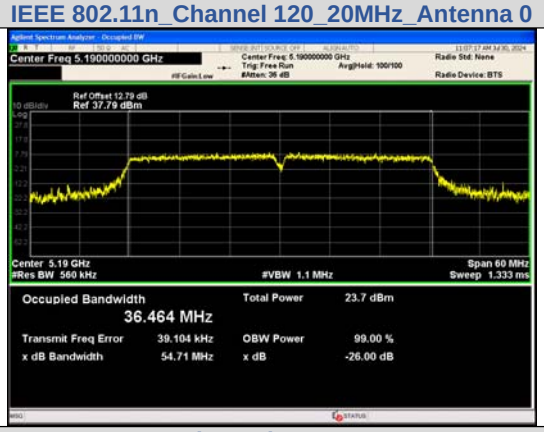
IEEE 802.11n_Channel 100_20MHz_Antenna 0



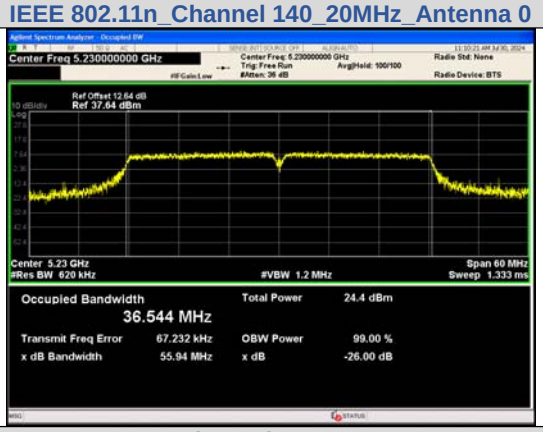
IEEE 802.11n_Channel 120_20MHz_Antenna 0



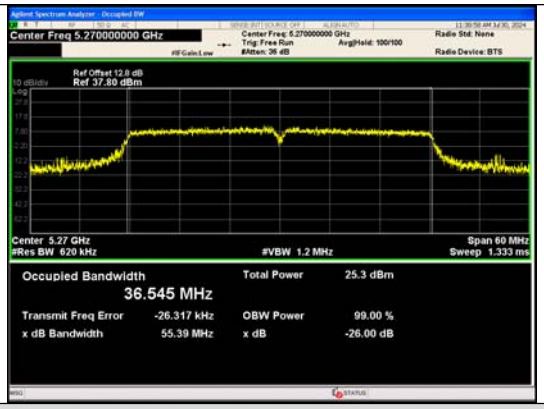
IEEE 802.11n_Channel 140_20MHz_Antenna 0



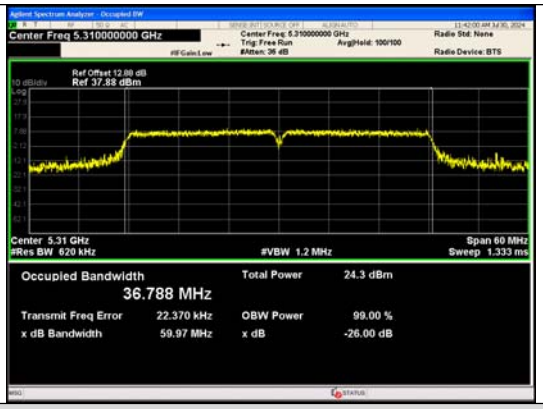
IEEE 802.11n_Channel 38_40MHz_Antenna 0



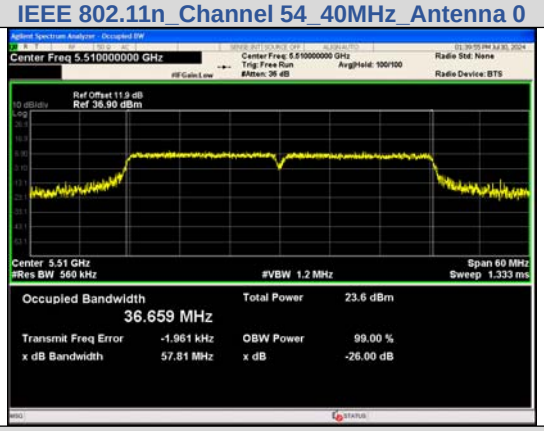
IEEE 802.11n_Channel 46_40MHz_Antenna 0



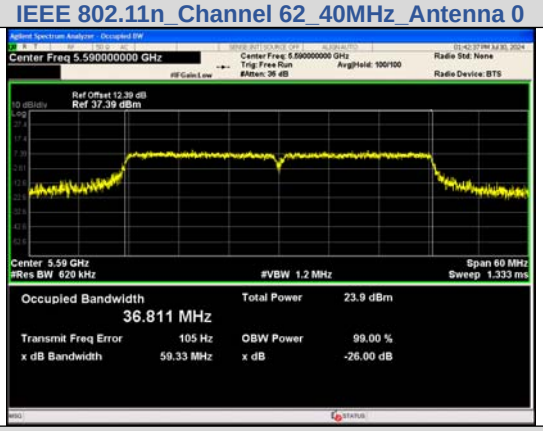
IEEE 802.11n_Channel 54_40MHz_Antenna 0



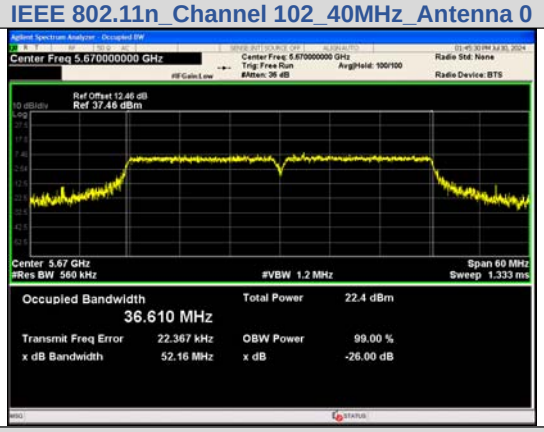
IEEE 802.11n_Channel 62_40MHz_Antenna 0



IEEE 802.11n_Channel 102_40MHz_Antenna 0



IEEE 802.11n_Channel 118_40MHz_Antenna 0



IEEE 802.11n_Channel 134_40MHz_Antenna 0

APPENDIX VIII.Conducted Out Of Band Emission

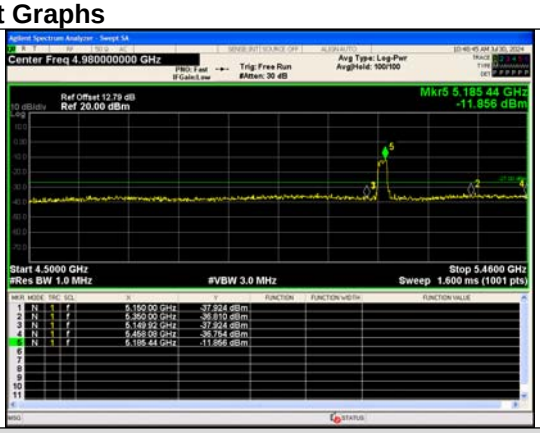
Test Result

Mode	Channel	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
IEEE 802.11a	36	0	2472.24	-47.137	-27	-20.140	PASS
			5149.92	-37.924	-27	-11	PASS
			5150.00	-37.924	-27	-11	PASS
			5350.00	-36.810	-27	-10	PASS
			5458.08	-36.754	-27	-10	PASS
			24923.9	-39.619	-27	-12.620	PASS
	40		5146.54	-33.285	-27	-6.280	PASS
			5149.92	-32.847	-27	-6	PASS
			5150.00	-32.847	-27	-6	PASS
			5350.00	-36.024	-27	-9	PASS
			5460.00	-35.251	-27	-8	PASS
			24948.9	-39.259	-27	-12.260	PASS
	48		5134.13	-45.665	-27	-18.660	PASS
			5148.96	-37.785	-27	-11	PASS
			5150.00	-38.033	-27	-11	PASS
			5350.00	-35.247	-27	-8	PASS
			5451.36	-34.965	-27	-8	PASS
			24930.7	-38.441	-27	-11.440	PASS
	52		4207.79	-41.723	-27	-14.720	PASS
			5149.92	-37.464	-27	-10	PASS
			5150.00	-37.464	-27	-10	PASS
			5350.00	-35.661	-27	-9	PASS
			5430.24	-34.801	-27	-8	PASS
			24917.5	-38.992	-27	-11.990	PASS
	56		5031.22	-45.906	-27	-18.910	PASS
			5148.96	-36.383	-27	-9	PASS
			5150.00	-38.461	-27	-11	PASS
			5350.00	-35.546	-27	-9	PASS
			5446.56	-34.466	-27	-7	PASS
			24874.7	-39.254	-27	-12.250	PASS
	64		4255.79	-47.606	-27	-20.610	PASS
			5149.92	-38.488	-27	-11	PASS
			5150.00	-38.488	-27	-11	PASS
			5350.00	-37.132	-27	-10	PASS
			5460.00	-35.984	-27	-9	PASS
			24970.0	-39.390	-27	-12.390	PASS
	100		210.47	-49.642	-27	-22.640	PASS
			5469.49	-37.357	-27	-10	PASS
			5470.00	-37.357	-27	-10	PASS
			5725.00	-36.567	-27	-10	PASS
			6216.22	-36.547	-27	-10	PASS
			24985.5	-40.309	-27	-13.310	PASS
	120		4480.60	-39.836	-27	-12.840	PASS
			5469.49	-36.726	-27	-10	PASS
			5470.00	-36.726	-27	-10	PASS
			5725.00	-38.398	-27	-11	PASS
			6225.00	-38.274	-27	-11	PASS
			24961.0	-39.466	-27	-12.470	PASS
	140		210.61	-48.908	-27	-21.910	PASS
			5465.73	-36.273	-27	-9	PASS
			5470.00	-37.069	-27	-10	PASS
			5725.00	-35.662	-27	-9	PASS
			6194.88	-35.469	-27	-8	PASS
			24836.2	-39.597	-27	-12.600	PASS
IEEE 802.11n_20	36		35.25	-48.152	-27	-21.150	PASS
			5149.92	-38.038	-27	-11	PASS
			5150.00	-38.038	-27	-11	PASS
			5350.00	-36.071	-27	-9	PASS
			5459.04	-35.801	-27	-9	PASS
			24863.4	-39.786	-27	-12.790	PASS
	40		5148.59	-27.227	-27	-0.230	PASS

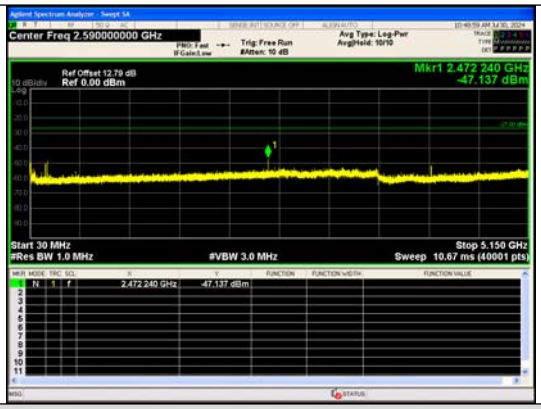
			5149.92	-37.563	-27	-11	PASS
			5150.00	-37.563	-27	-11	PASS
			5350.00	-36.874	-27	-10	PASS
			5459.04	-36.090	-27	-9	PASS
			24899.8	-39.784	-27	-12.780	PASS
	48		5139.76	-44.470	-27	-17.470	PASS
			5149.92	-37.797	-27	-11	PASS
			5150.00	-37.797	-27	-11	PASS
			5350.00	-36.986	-27	-10	PASS
			5460.00	-35.629	-27	-9	PASS
			24971.0	-39.620	-27	-12.620	PASS
	52		32.18	-47.037	-27	-20.040	PASS
			5148.96	-38.037	-27	-11	PASS
			5150.00	-38.356	-27	-11	PASS
			5350.00	-36.274	-27	-9	PASS
			5459.04	-34.505	-27	-8	PASS
			24915.0	-38.525	-27	-11.520	PASS
	56		30.77	-47.059	-27	-20.060	PASS
			5149.92	-37.908	-27	-11	PASS
			5150.00	-37.908	-27	-11	PASS
			5350.00	-35.840	-27	-9	PASS
			5350.98	-38.023	-27	-11.020	PASS
			5460.00	-35.478	-27	-8	PASS
	64		2440.24	-47.175	-27	-20.170	PASS
			5148.00	-37.056	-27	-10	PASS
			5150.00	-37.517	-27	-11	PASS
			5350.00	-36.642	-27	-10	PASS
			5460.00	-35.673	-27	-9	PASS
			24930.7	-38.596	-27	-11.600	PASS
	100		33.81	-38.494	-27	-11.490	PASS
			5469.49	-37.612	-27	-11	PASS
			5470.00	-37.612	-27	-11	PASS
			5725.00	-37.428	-27	-10	PASS
			6223.74	-36.877	-27	-10	PASS
			24946.0	-39.838	-27	-12.840	PASS
	120		4481.96	-47.963	-27	-20.960	PASS
			5463.22	-37.018	-27	-10	PASS
			5470.00	-37.080	-27	-10	PASS
			5725.00	-38.154	-27	-11	PASS
			6225.00	-37.660	-27	-11	PASS
			24909.9	-39.870	-27	-12.870	PASS
	140		32.86	-47.130	-27	-20.130	PASS
			5469.49	-36.935	-27	-10	PASS
			5470.00	-36.936	-27	-10	PASS
			5725.00	-36.493	-27	-9	PASS
			6211.19	-35.879	-27	-9	PASS
			24940.2	-40.432	-27	-13.430	PASS
IEEE 802.11n_40	38		5143.60	-40.973	-27	-13.970	PASS
			5146.08	-36.856	-27	-10	PASS
			5150.00	-37.578	-27	-11	PASS
			5350.00	-36.778	-27	-10	PASS
			5460.00	-35.477	-27	-8	PASS
			24903.7	-39.468	-27	-12.470	PASS
	46		5146.67	-30.016	-27	-3.020	PASS
			5148.00	-35.965	-27	-9	PASS
			5150.00	-36.908	-27	-10	PASS
			5350.00	-36.792	-27	-10	PASS
			5459.04	-36.435	-27	-9	PASS
			24914.5	-39.708	-27	-12.710	PASS
	54		5147.04	-36.452	-27	-9	PASS
			5148.98	-38.821	-27	-11.820	PASS
			5150.00	-36.583	-27	-10	PASS
			5350.00	-34.660	-27	-8	PASS
			5355.40	-27.863	-27	-0.860	PASS
			5441.76	-34.660	-27	-8	PASS
	62		913.97	-46.609	-27	-19.610	PASS
			5148.96	-37.757	-27	-11	PASS
			5150.00	-37.891	-27	-11	PASS

			5350.00	-36.078	-27	-9	PASS
			5357.86	-34.560	-27	-7.560	PASS
			5458.08	-35.839	-27	-9	PASS
	102		5461.70	-44.733	-27	-17.730	PASS
			5469.49	-38.591	-27	-12	PASS
			5470.00	-38.591	-27	-12	PASS
			5725.00	-37.272	-27	-10	PASS
			6214.96	-36.565	-27	-10	PASS
			24815.0	-40.447	-27	-13.450	PASS
	118		4471.90	-41.471	-27	-14.470	PASS
			5469.49	-35.903	-27	-9	PASS
			5470.00	-35.903	-27	-9	PASS
			5725.00	-36.900	-27	-10	PASS
			6207.43	-36.353	-27	-9	PASS
			24906.5	-39.983	-27	-12.980	PASS
	134		4536.77	-46.383	-27	-19.380	PASS
			5469.49	-36.833	-27	-10	PASS
			5470.00	-36.833	-27	-10	PASS
			5725.00	-36.900	-27	-10	PASS
			6222.49	-36.719	-27	-10	PASS
			24955.2	-40.382	-27	-13.380	PASS

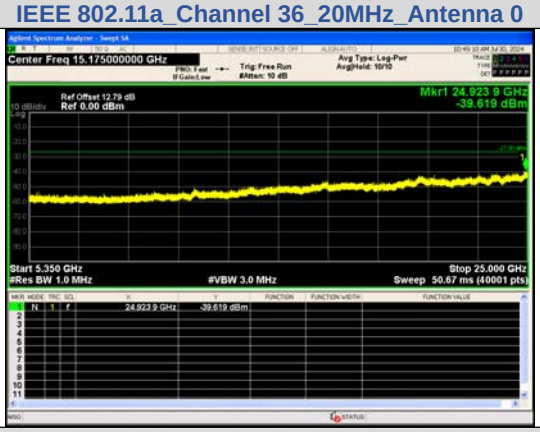
Test Graphs



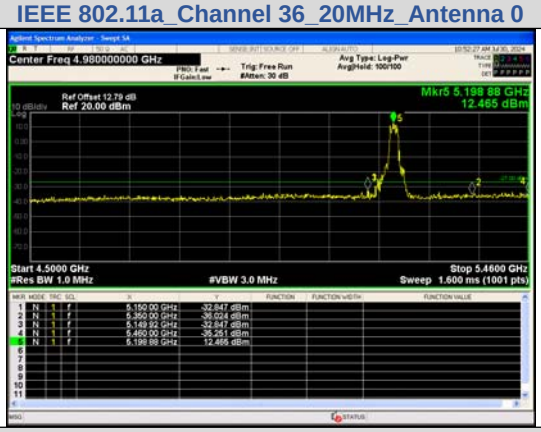
Out Of Band Emission
IEEE 802.11a_Channel 36_20MHz_Antenna 0



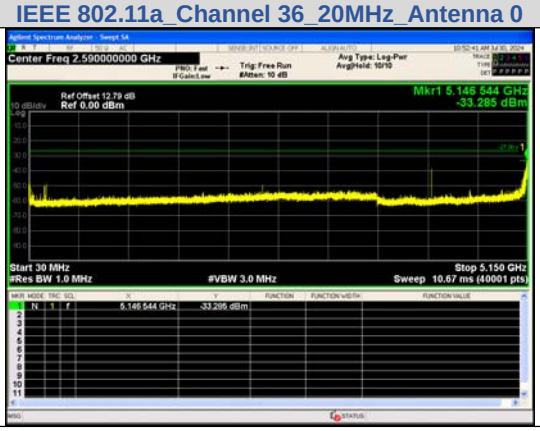
Spurious Emission:30.0~5150 MHz
IEEE 802.11a_Channel 36_20MHz_Antenna 0

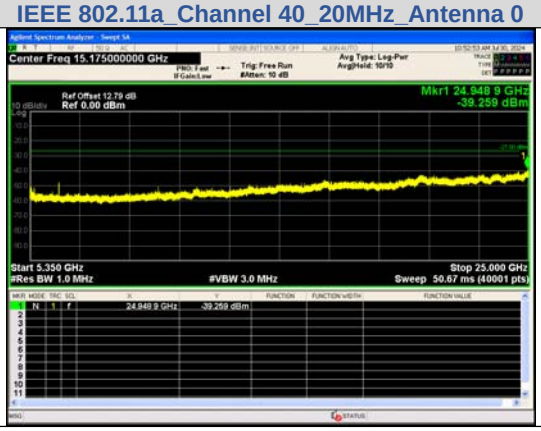


Spurious Emission:5350~25000.0 MHz
IEEE 802.11a_Channel 36_20MHz_Antenna 0

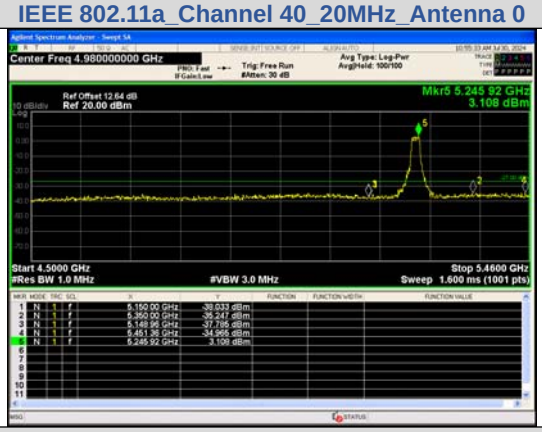


Out Of Band Emission
IEEE 802.11a_Channel 40_20MHz_Antenna 0

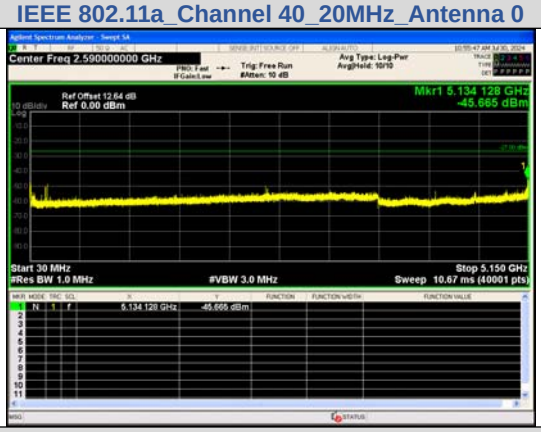




Spurious Emission:30.0~5150 MHz
IEEE 802.11a_Channel 40_20MHz_Antenna 0

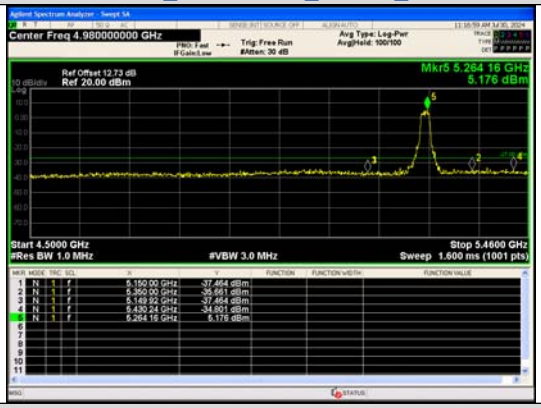


Spurious Emission:5350~25000.0 MHz
IEEE 802.11a_Channel 40_20MHz_Antenna 0

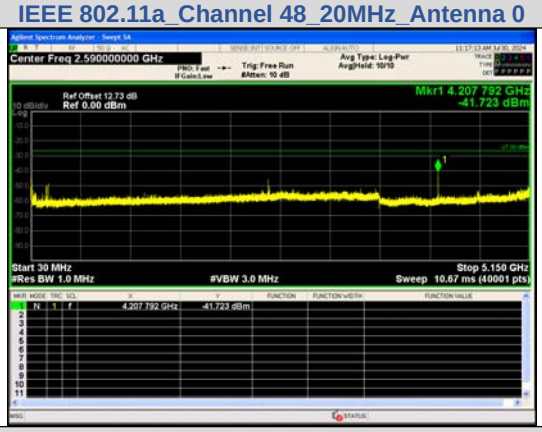


Out Of Band Emission
IEEE 802.11a_Channel 48_20MHz_Antenna 0

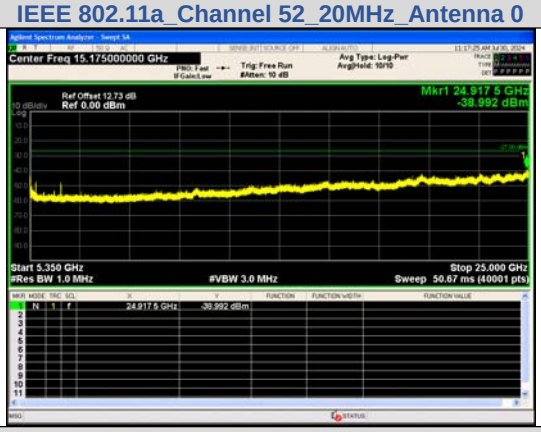
Spurious Emission:30.0~5150 MHz
IEEE 802.11a_Channel 48_20MHz_Antenna 0



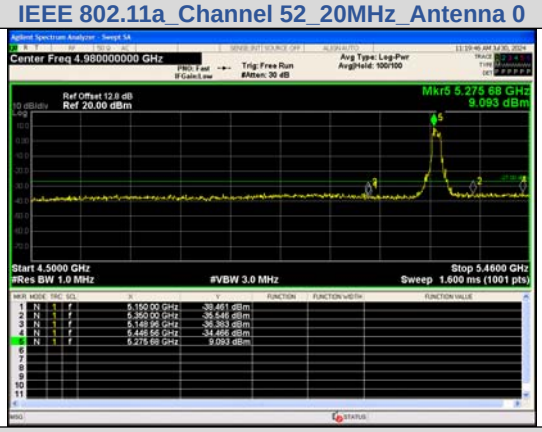
Spurious Emission:5350~25000.0 MHz
IEEE 802.11a_Channel 48_20MHz_Antenna 0



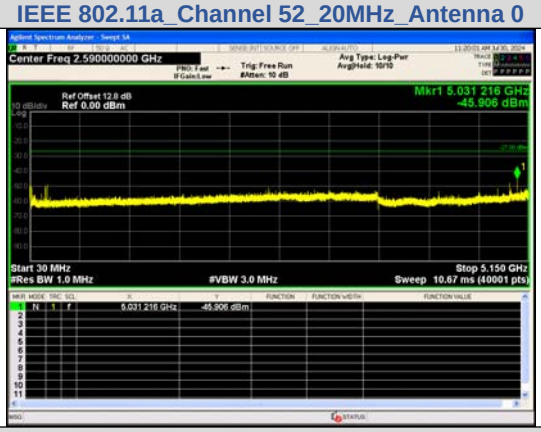
Out Of Band Emission
IEEE 802.11a_Channel 52_20MHz_Antenna 0



Spurious Emission:30.0~5150 MHz
IEEE 802.11a_Channel 52_20MHz_Antenna 0

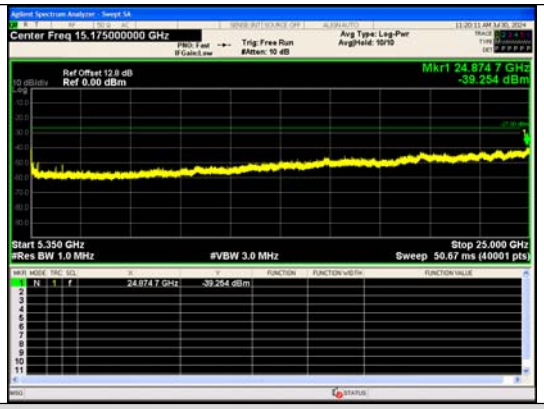


Spurious Emission:5350~25000.0 MHz
IEEE 802.11a_Channel 52_20MHz_Antenna 0

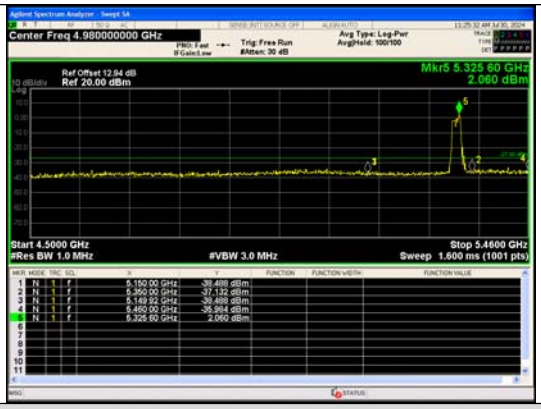


Out Of Band Emission
IEEE 802.11a_Channel 56_20MHz_Antenna 0

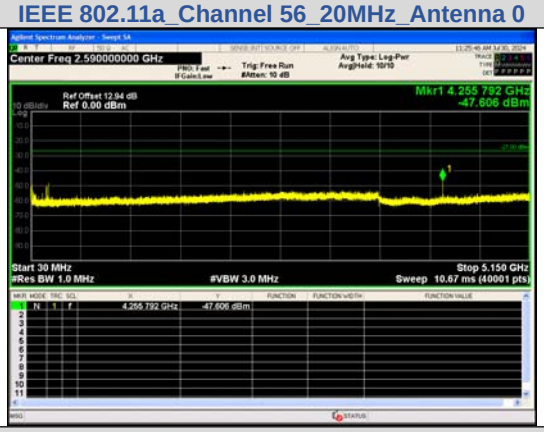
Spurious Emission:30.0~5150 MHz
IEEE 802.11a_Channel 56_20MHz_Antenna 0



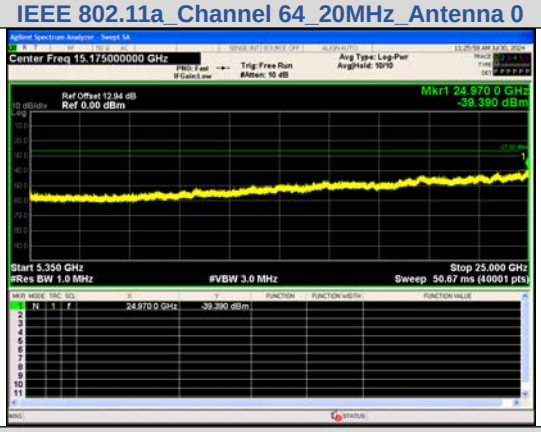
Spurious Emission:5350~25000.0 MHz
IEEE 802.11a_Channel 56_20MHz_Antenna 0



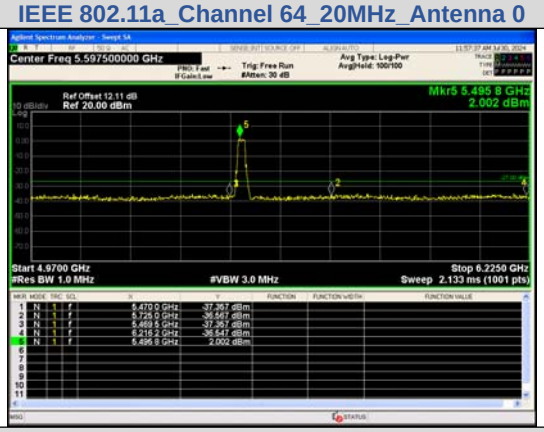
Out Of Band Emission
IEEE 802.11a_Channel 64_20MHz_Antenna 0



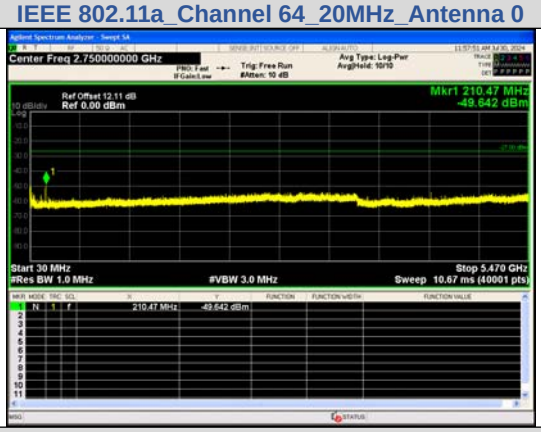
Spurious Emission:30.0~5150 MHz
IEEE 802.11a_Channel 64_20MHz_Antenna 0



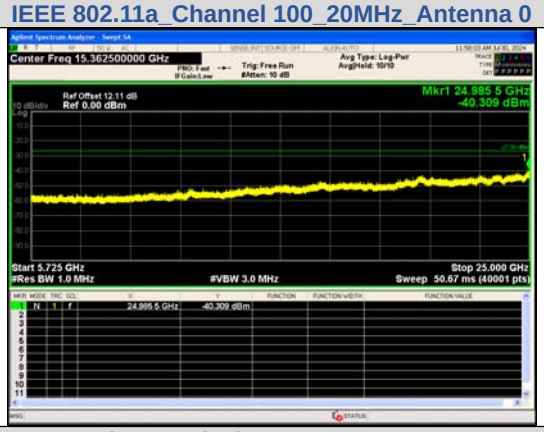
Spurious Emission:5350~25000.0 MHz
IEEE 802.11a_Channel 64_20MHz_Antenna 0



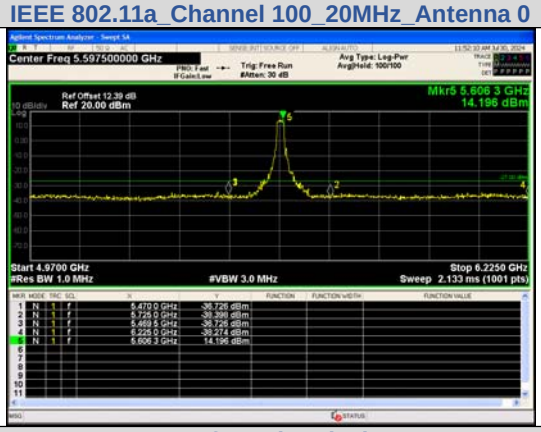
Out Of Band Emission
IEEE 802.11a_Channel 100_20MHz_Antenna 0



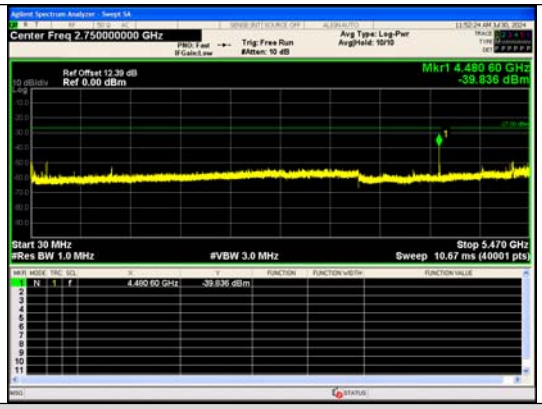
Spurious Emission:30.0~5470 MHz
IEEE 802.11a_Channel 100_20MHz_Antenna 0



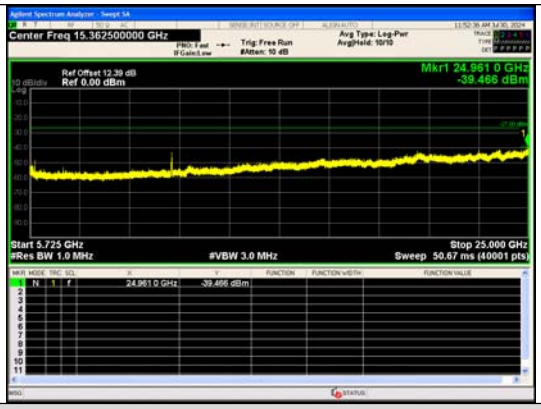
Spurious Emission:5725~25000.0 MHz
IEEE 802.11a_Channel 100_20MHz_Antenna 0



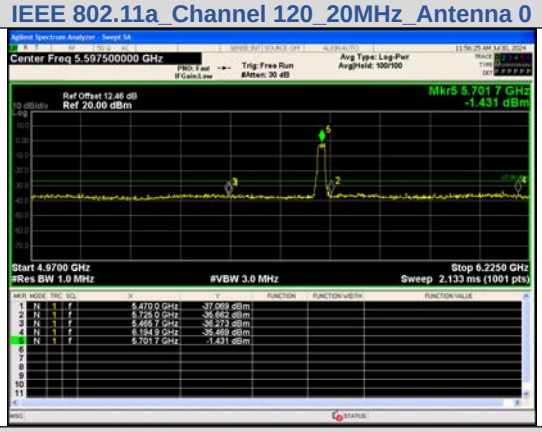
Out Of Band Emission
IEEE 802.11a_Channel 120_20MHz_Antenna 0



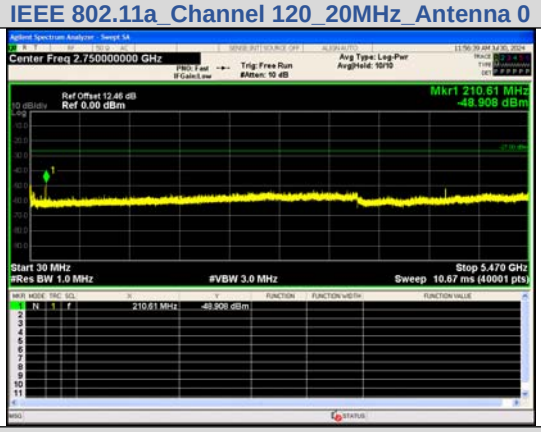
Spurious Emission:30.0~5470 MHz
IEEE 802.11a_Channel 120_20MHz_Antenna 0



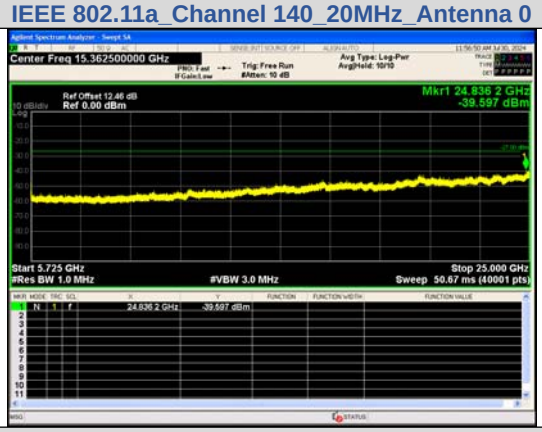
Spurious Emission:5725~25000.0 MHz
IEEE 802.11a_Channel 120_20MHz_Antenna 0



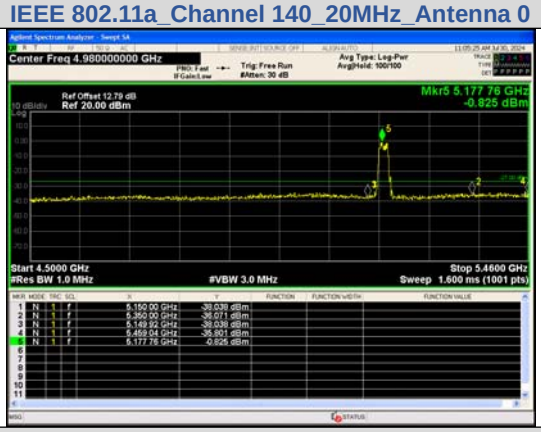
Out Of Band Emission
IEEE 802.11a_Channel 140_20MHz_Antenna 0



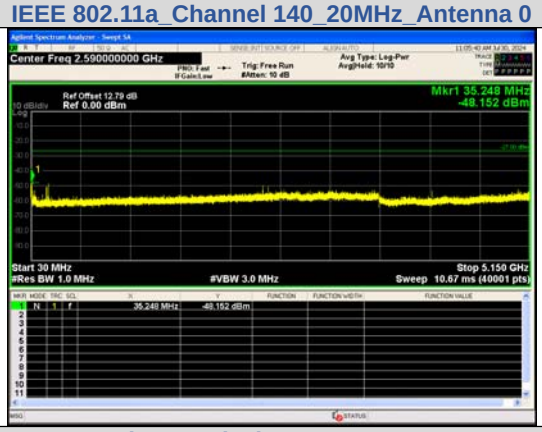
Spurious Emission:30.0~5470 MHz
IEEE 802.11a_Channel 140_20MHz_Antenna 0



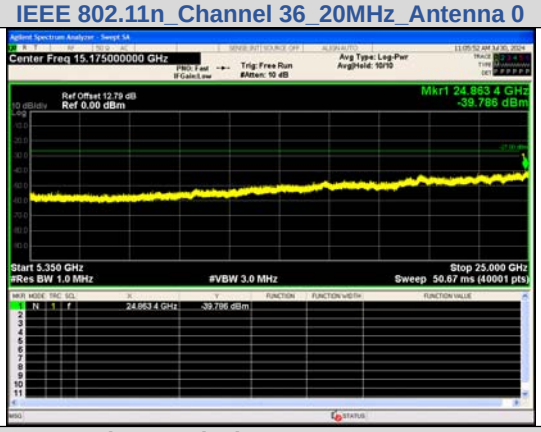
Spurious Emission:5725~25000.0 MHz
IEEE 802.11a_Channel 140_20MHz_Antenna 0



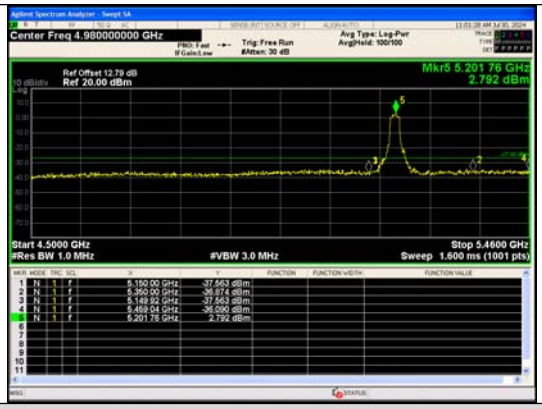
Out Of Band Emission
IEEE 802.11n_Channel 36_20MHz_Antenna 0



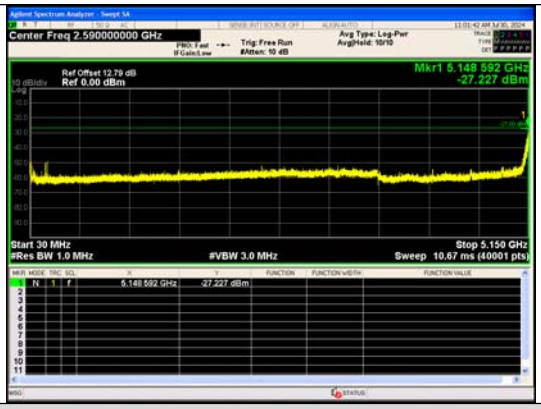
Spurious Emission:30.0~5150 MHz
IEEE 802.11n_Channel 36_20MHz_Antenna 0



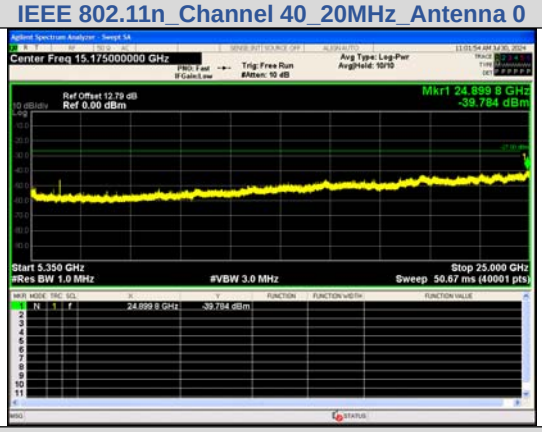
Spurious Emission:5350~25000.0 MHz
IEEE 802.11n_Channel 36_20MHz_Antenna 0



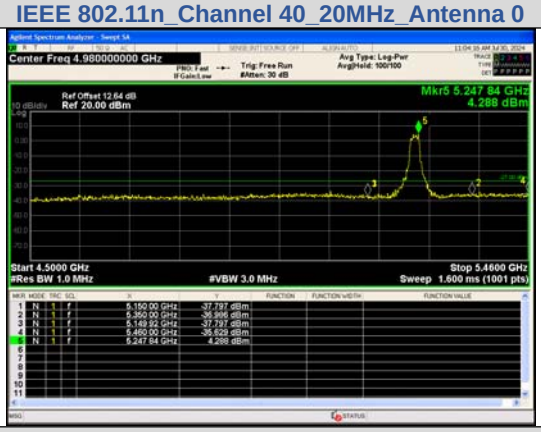
Out Of Band Emission
IEEE 802.11n_Channel 40_20MHz_Antenna 0



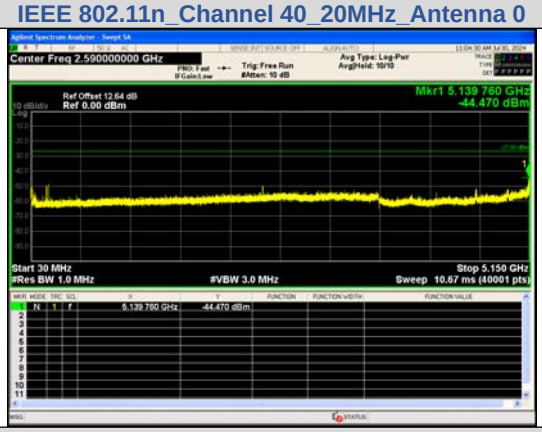
Spurious Emission:30.0~5150 MHz
IEEE 802.11n_Channel 40_20MHz_Antenna 0



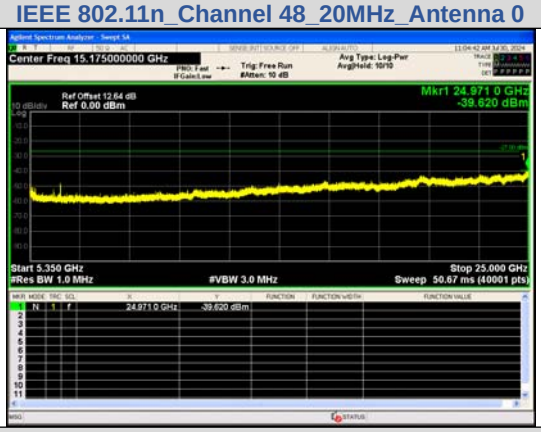
Spurious Emission:5350~25000.0 MHz
IEEE 802.11n_Channel 40_20MHz_Antenna 0



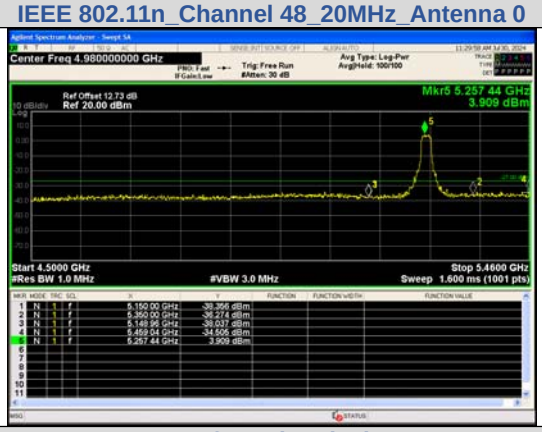
Out Of Band Emission
IEEE 802.11n_Channel 48_20MHz_Antenna 0



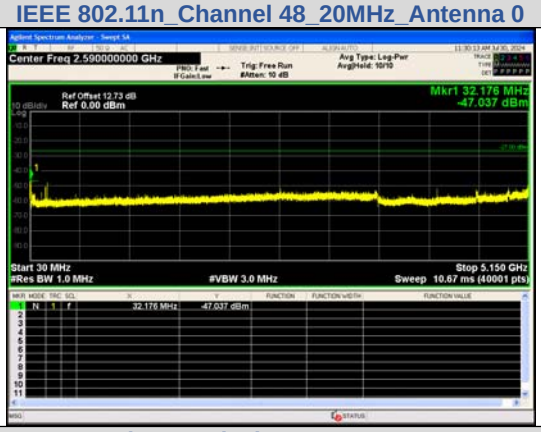
Spurious Emission:30.0~5150 MHz
IEEE 802.11n_Channel 48_20MHz_Antenna 0



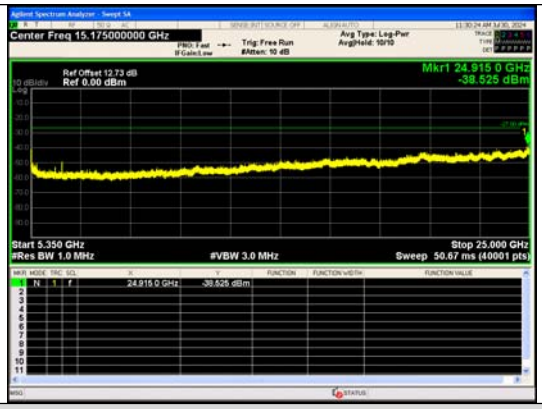
Spurious Emission:5350~25000.0 MHz
IEEE 802.11n_Channel 48_20MHz_Antenna 0



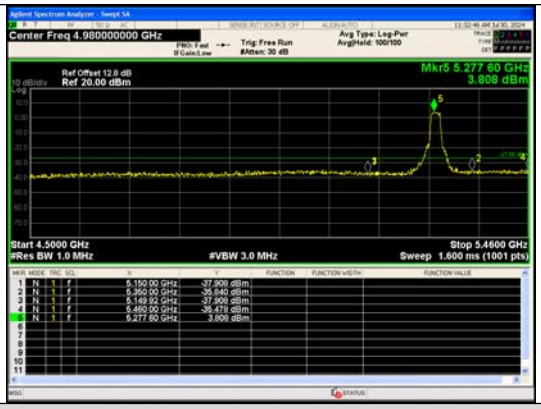
Out Of Band Emission
IEEE 802.11n_Channel 52_20MHz_Antenna 0



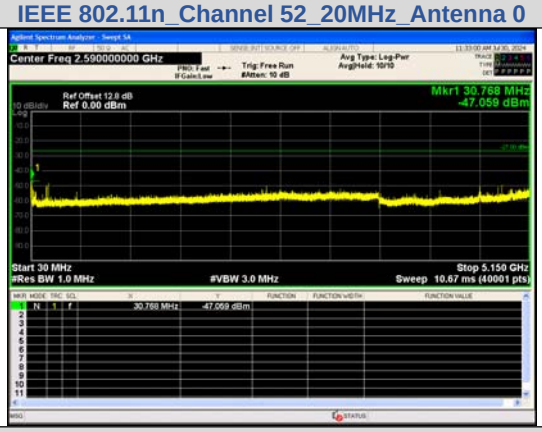
Spurious Emission:30.0~5150 MHz
IEEE 802.11n_Channel 52_20MHz_Antenna 0



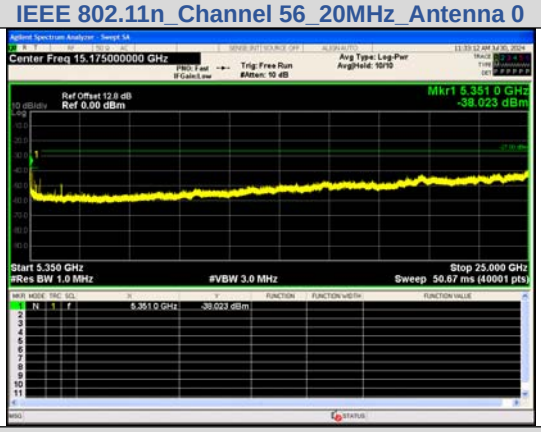
Spurious Emission:5350~25000.0 MHz
IEEE 802.11n_Channel 52_20MHz_Antenna 0



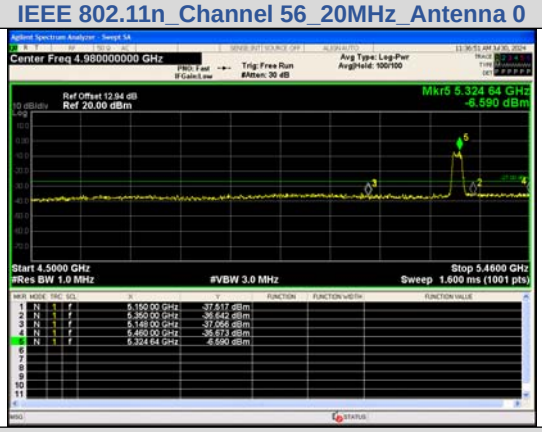
Out Of Band Emission
IEEE 802.11n_Channel 56_20MHz_Antenna 0



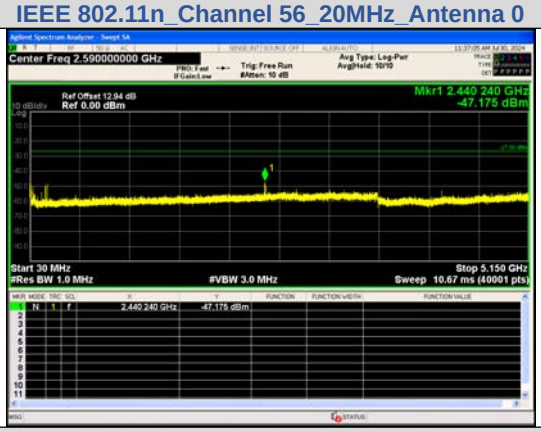
Spurious Emission:30.0~5150 MHz
IEEE 802.11n_Channel 56_20MHz_Antenna 0



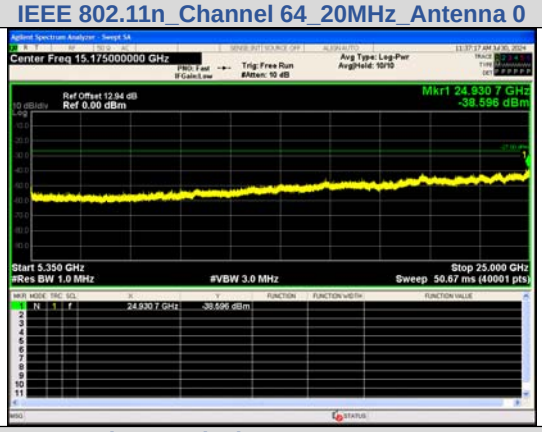
Spurious Emission:5350~25000.0 MHz
IEEE 802.11n_Channel 56_20MHz_Antenna 0



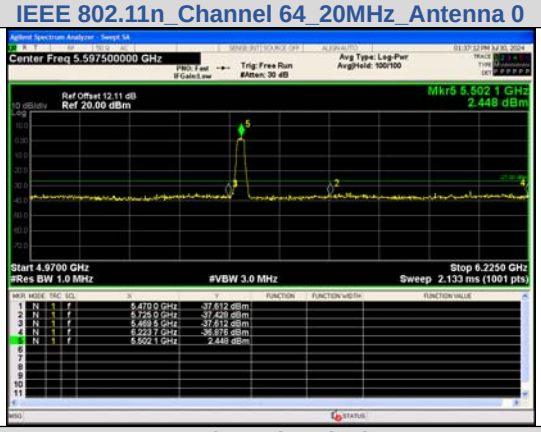
Out Of Band Emission
IEEE 802.11n_Channel 64_20MHz_Antenna 0



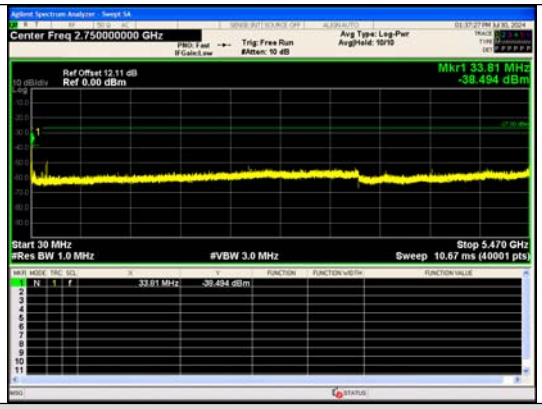
Spurious Emission:30.0~5150 MHz
IEEE 802.11n_Channel 64_20MHz_Antenna 0



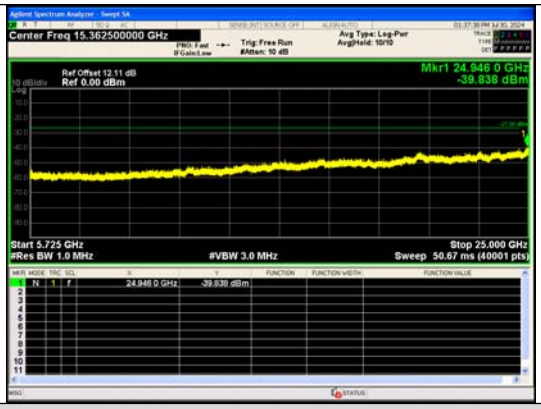
Spurious Emission:5350~25000.0 MHz
IEEE 802.11n_Channel 64_20MHz_Antenna 0



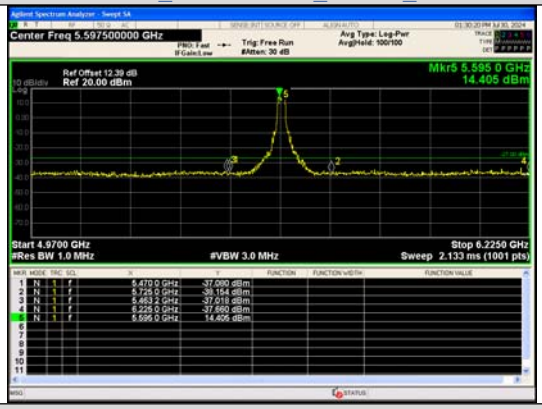
Out Of Band Emission
IEEE 802.11n_Channel 100_20MHz_Antenna 0



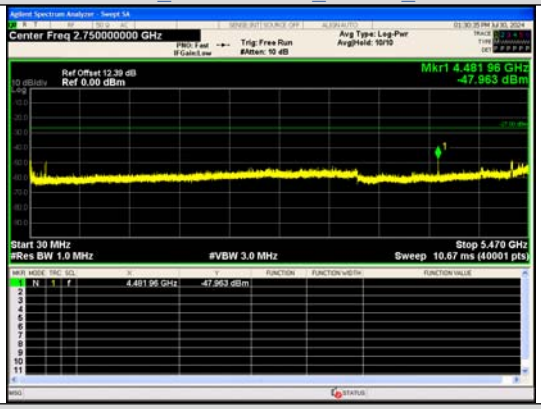
Spurious Emission:30.0~5470 MHz
IEEE 802.11n_Channel 100_20MHz_Antenna 0



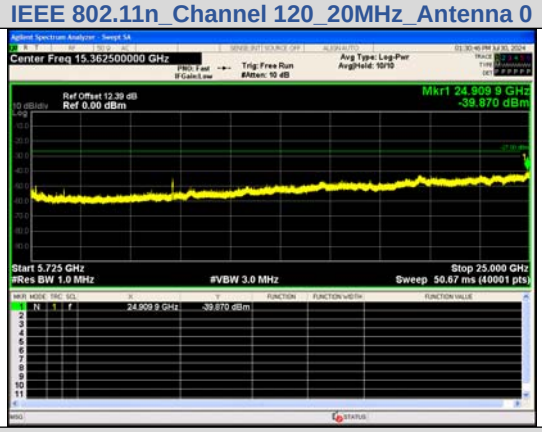
Spurious Emission:5725~25000.0 MHz
IEEE 802.11n_Channel 100_20MHz_Antenna 0



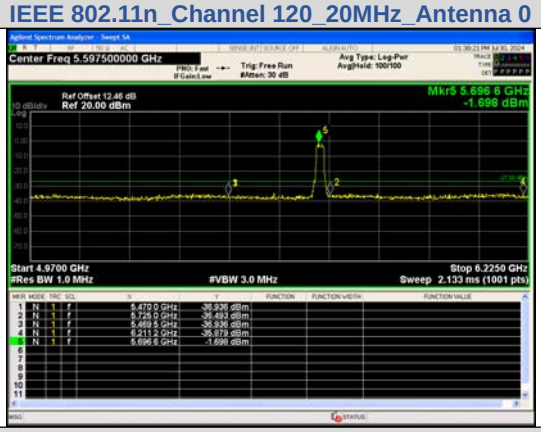
Out Of Band Emission
IEEE 802.11n_Channel 120_20MHz_Antenna 0



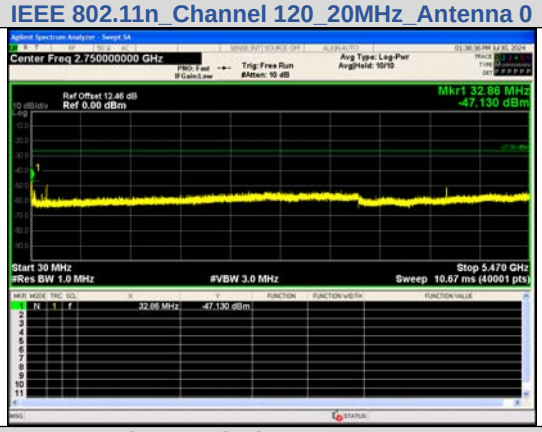
Spurious Emission:30.0~5470 MHz
IEEE 802.11n_Channel 120_20MHz_Antenna 0



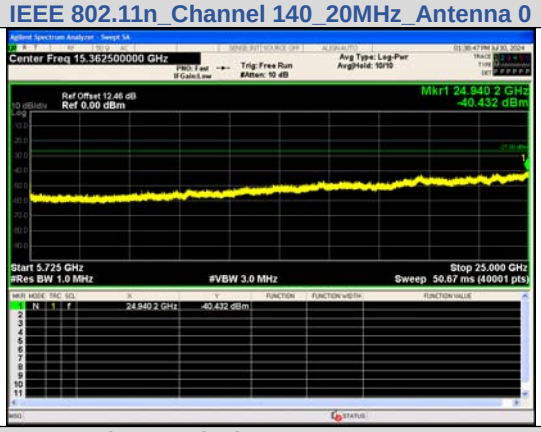
Spurious Emission:5725~25000.0 MHz
IEEE 802.11n_Channel 120_20MHz_Antenna 0



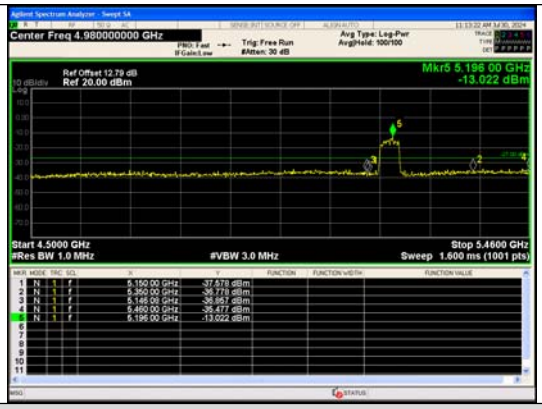
Out Of Band Emission
IEEE 802.11n_Channel 140_20MHz_Antenna 0



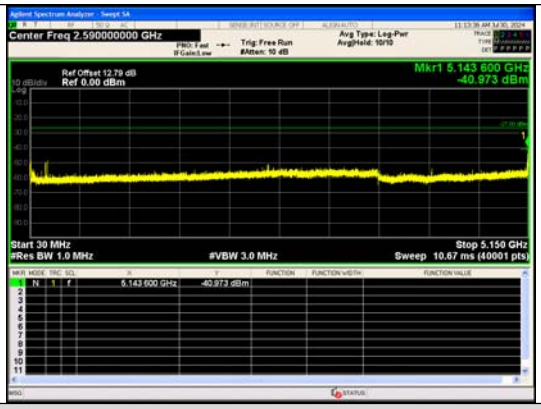
Spurious Emission:30.0~5470 MHz
IEEE 802.11n_Channel 140_20MHz_Antenna 0



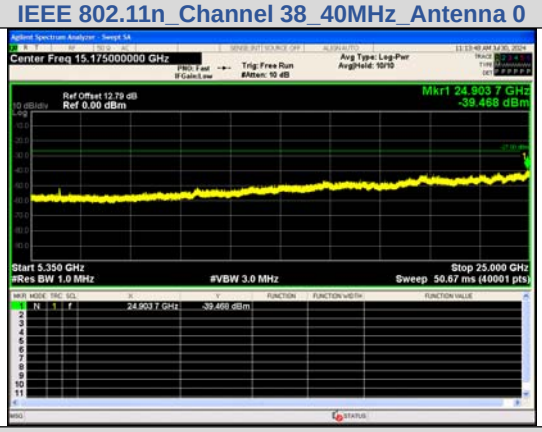
Spurious Emission:5725~25000.0 MHz
IEEE 802.11n_Channel 140_20MHz_Antenna 0



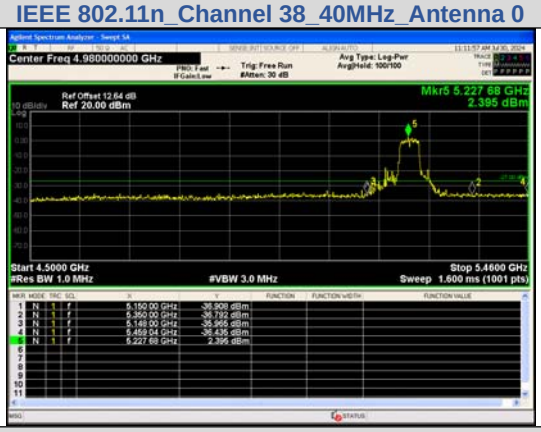
Out Of Band Emission
IEEE 802.11n_Channel 38_40MHz_Antenna 0



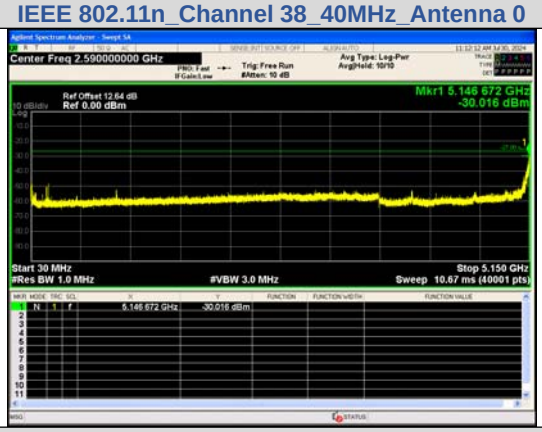
Spurious Emission:30.0~5150 MHz
IEEE 802.11n_Channel 38_40MHz_Antenna 0



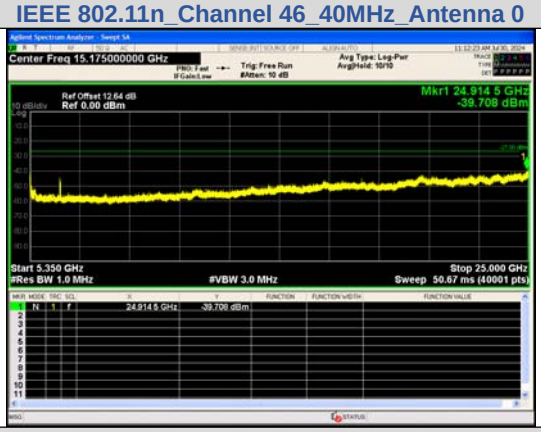
Spurious Emission:5350~25000.0 MHz
IEEE 802.11n_Channel 38_40MHz_Antenna 0



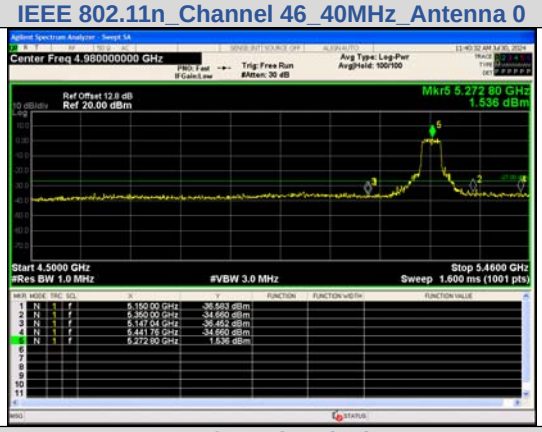
Out Of Band Emission
IEEE 802.11n_Channel 46_40MHz_Antenna 0



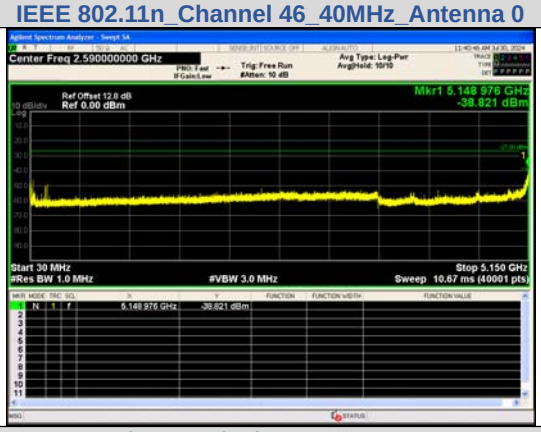
Spurious Emission:30.0~5150 MHz
IEEE 802.11n_Channel 46_40MHz_Antenna 0



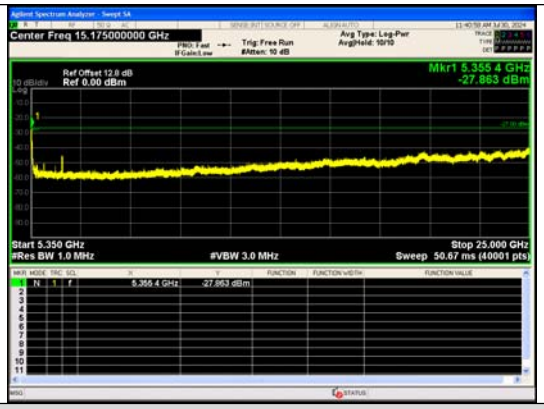
Spurious Emission:5350~25000.0 MHz
IEEE 802.11n_Channel 46_40MHz_Antenna 0



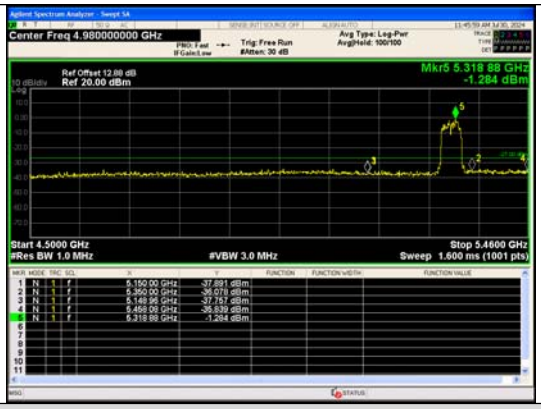
Out Of Band Emission
IEEE 802.11n_Channel 54_40MHz_Antenna 0



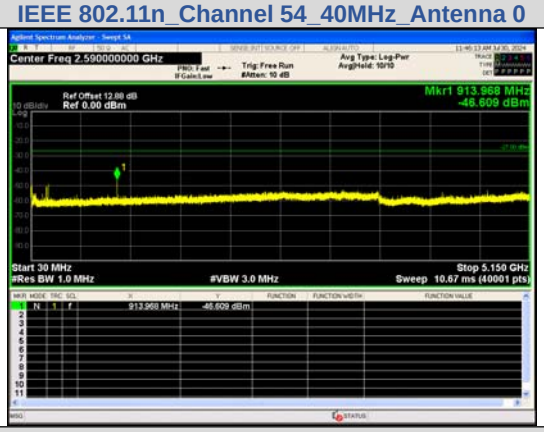
Spurious Emission:30.0~5150 MHz
IEEE 802.11n_Channel 54_40MHz_Antenna 0



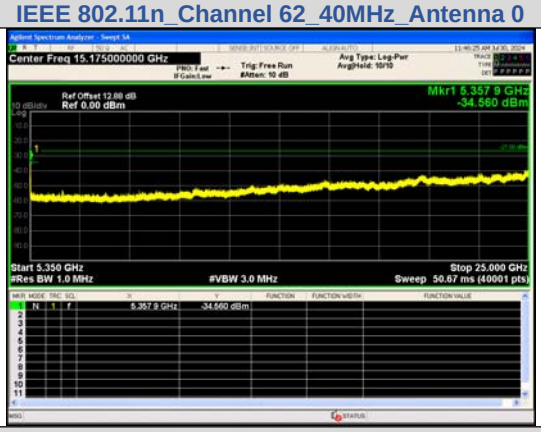
Spurious Emission:5350~25000.0 MHz
IEEE 802.11n_Channel 54_40MHz_Antenna 0



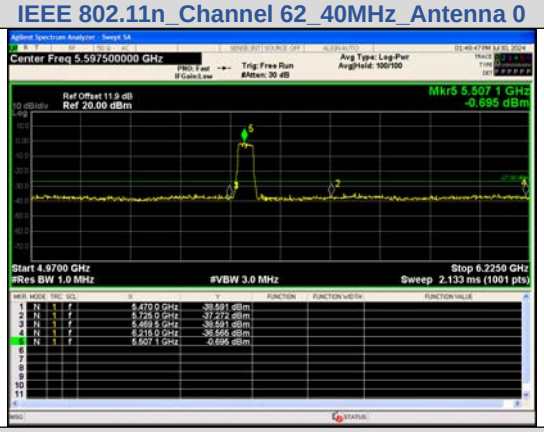
Out Of Band Emission
IEEE 802.11n_Channel 62_40MHz_Antenna 0



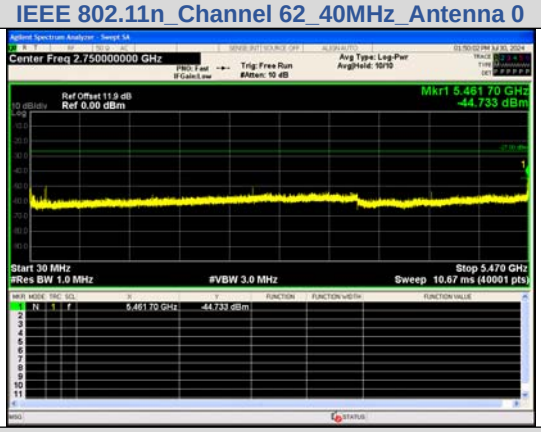
Spurious Emission:30.0~5150 MHz
IEEE 802.11n_Channel 62_40MHz_Antenna 0



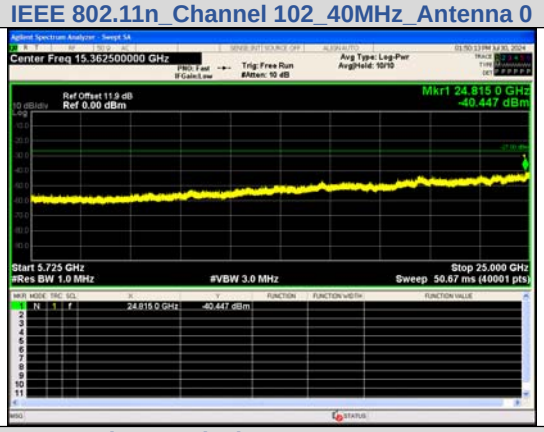
Spurious Emission:5350~25000.0 MHz
IEEE 802.11n_Channel 62_40MHz_Antenna 0



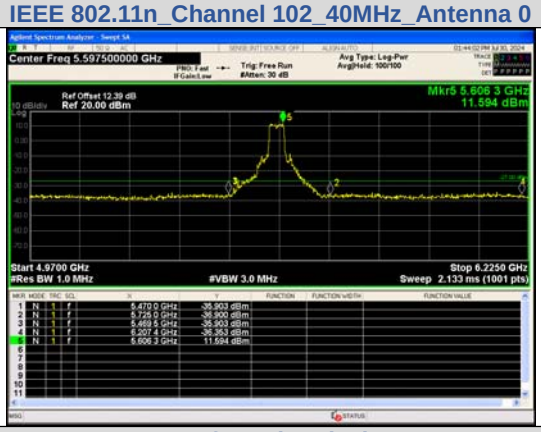
Out Of Band Emission
IEEE 802.11n_Channel 102_40MHz_Antenna 0



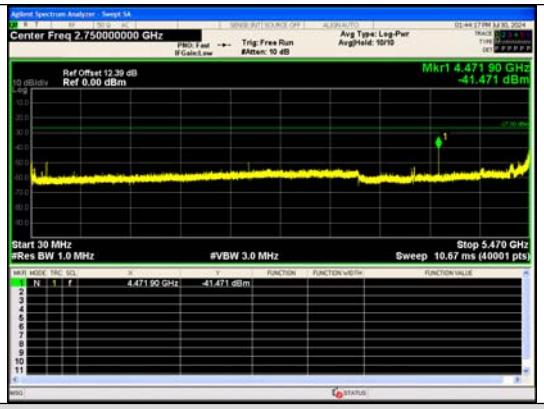
Spurious Emission:30.0~5470 MHz
IEEE 802.11n_Channel 102_40MHz_Antenna 0



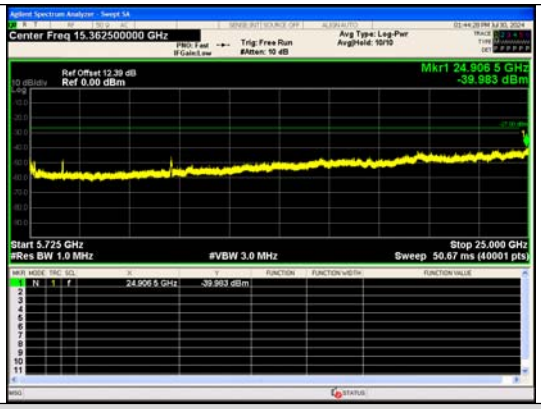
Spurious Emission:5725~25000.0 MHz
IEEE 802.11n_Channel 102_40MHz_Antenna 0



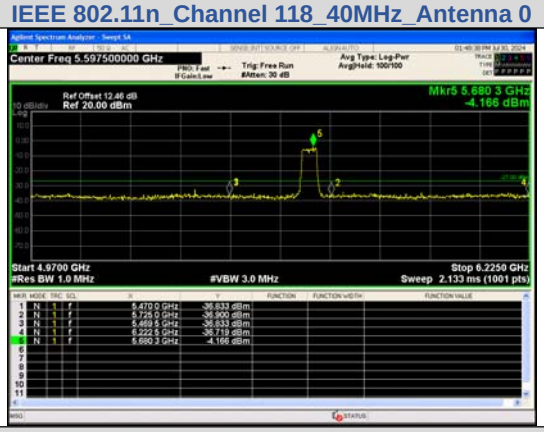
Out Of Band Emission
IEEE 802.11n_Channel 118_40MHz_Antenna 0



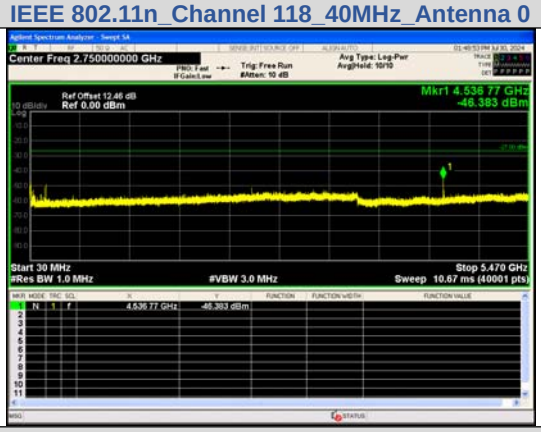
Spurious Emission:30.0~5470 MHz
IEEE 802.11n_Channel 118_40MHz_Antenna 0



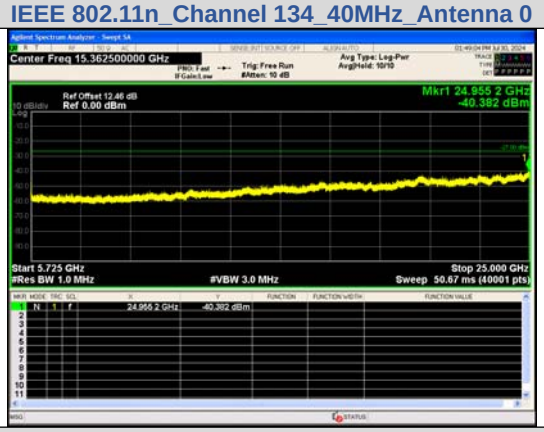
Spurious Emission:5725~25000.0 MHz
IEEE 802.11n_Channel 118_40MHz_Antenna 0



Out Of Band Emission
IEEE 802.11n_Channel 134_40MHz_Antenna 0



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

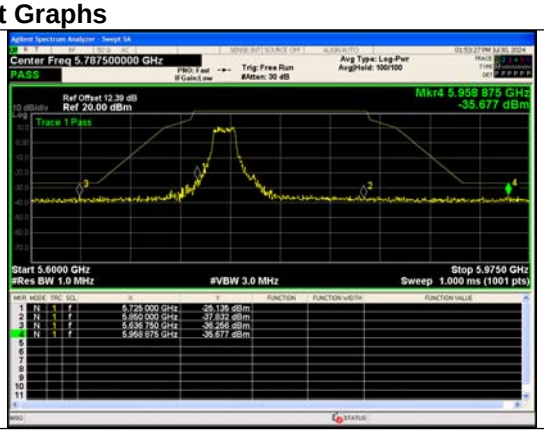


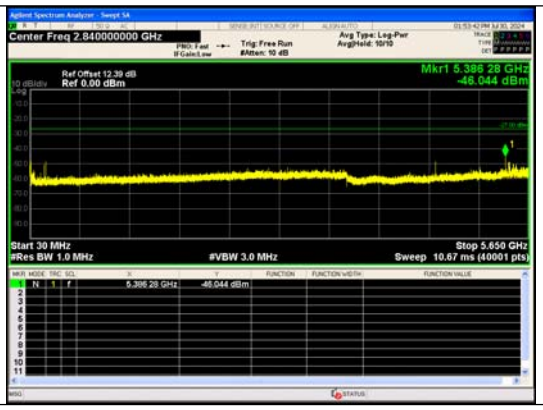
Spurious Emission:5725~25000.0 MHz
IEEE 802.11n_Channel 134_40MHz_Antenna 0

Test Result

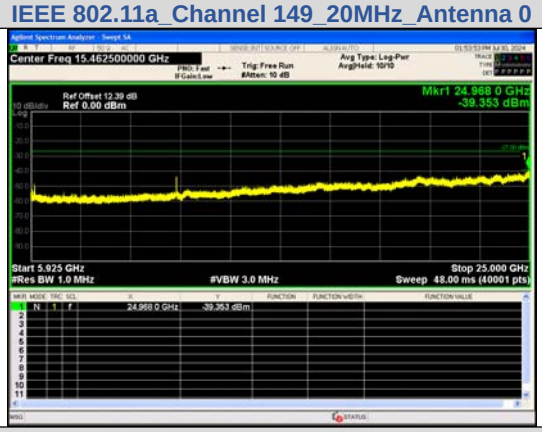
Mode	Channel	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
IEEE 802.11a	149	0	5386.28	-46.044	-27	-19.040	PASS
			5636.75	-36.256	-27	-9.256	PASS
			5725.00	-25.135	27	-52.140	PASS
			5850.00	-37.832	27	-64.830	PASS
			5958.88	-35.677	-27	-8.677	PASS
			24968.0	-39.353	-27	-12.350	PASS
	157		5463.56	-48.381	-27	-21.380	PASS
			5643.88	-35.407	-27	-8.407	PASS
			5725.00	-36.533	27	-63.530	PASS
			5850.00	-38.160	27	-65.160	PASS
			5972.38	-36.140	-27	-9.140	PASS
			24935.6	-40.547	-27	-13.550	PASS
	165		5506.69	-47.665	-27	-20.660	PASS
			5600.00	-35.744	-27	-8.744	PASS
			5725.00	-37.179	27	-64.180	PASS
			5850.00	-31.060	27	-58.060	PASS
			5965.62	-36.804	-27	-9.804	PASS
			24954.2	-39.621	-27	-12.620	PASS
IEEE 802.11n_20	149		5424.08	-47.563	-27	-20.560	PASS
			5643.88	-36.395	-27	-9.396	PASS
			5725.00	-21.727	27	-48.730	PASS
			5850.00	-38.900	27	-65.900	PASS
			5973.12	-36.165	-27	-9.165	PASS
			24961.8	-40.129	-27	-13.130	PASS
	157		4628.14	-41.880	-27	-14.880	PASS
			5646.88	-35.557	-27	-8.557	PASS
			5725.00	-37.964	27	-64.960	PASS
			5850.00	-38.659	27	-65.660	PASS
			5965.62	-36.103	-27	-9.103	PASS
			24989.5	-40.817	-27	-13.820	PASS
	165		5499.52	-47.458	-27	-20.460	PASS
			5649.88	-37.096	-27	-10.097	PASS
			5725.00	-37.770	27	-64.770	PASS
			5850.00	-30.072	27	-57.070	PASS
			5950.62	-36.751	-27	-9.751	PASS
			24906.1	-40.828	-27	-13.830	PASS
IEEE 802.11n_40	151		5633.00	-36.686	-27	-9.686	PASS
			5649.16	-43.731	-27	-16.730	PASS
			5725.00	-24.369	27	-51.370	PASS
			5850.00	-37.172	27	-64.170	PASS
			5963.38	-35.751	-27	-8.751	PASS
			24871.7	-40.381	-27	-13.380	PASS
	159		5488.28	-47.777	-27	-20.780	PASS
			5609.75	-36.511	-27	-9.511	PASS
			5725.00	-37.505	27	-64.500	PASS
			5850.00	-36.056	27	-63.060	PASS
			5946.12	-36.684	-27	-9.684	PASS
			24912.7	-40.201	-27	-13.200	PASS

Test Graphs

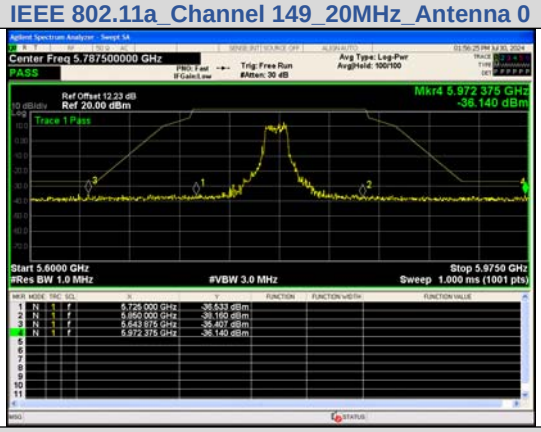




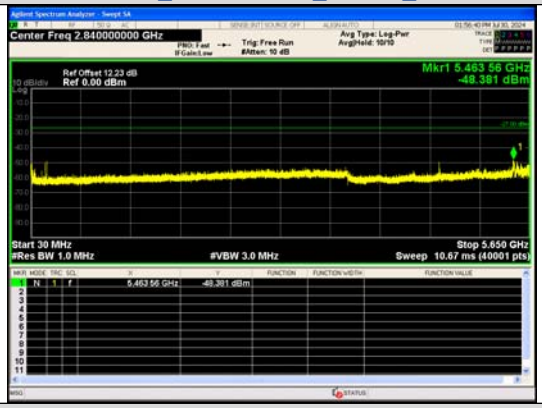
Out Of Band Emission
IEEE 802.11a_Channel 149_20MHz_Antenna 0



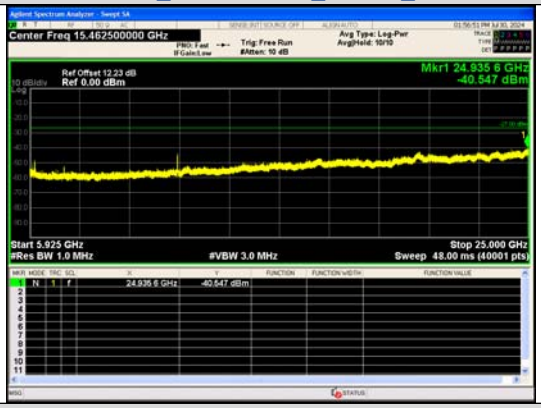
Spurious Emission:30.0~5650 MHz
IEEE 802.11a_Channel 149_20MHz_Antenna 0



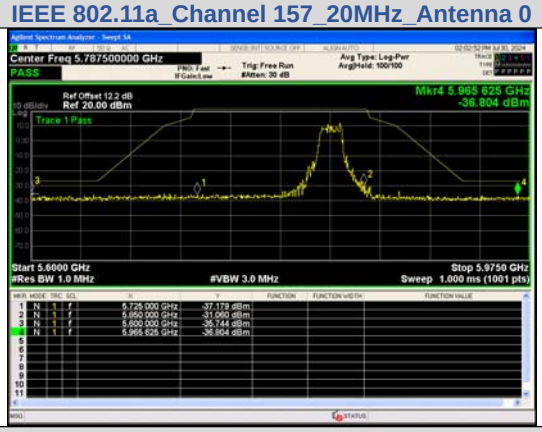
Spurious Emission:5925~25000.0 MHz
IEEE 802.11a_Channel 149_20MHz_Antenna 0



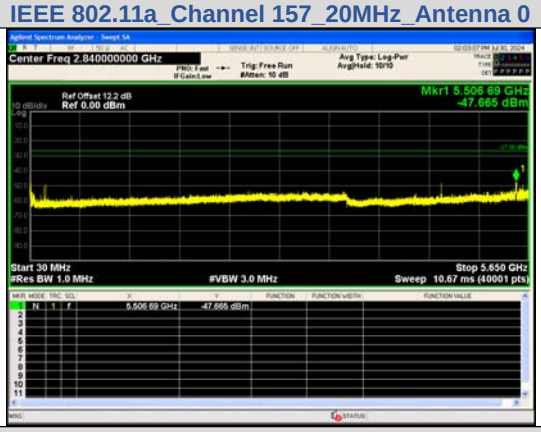
Out Of Band Emission
IEEE 802.11a_Channel 157_20MHz_Antenna 0



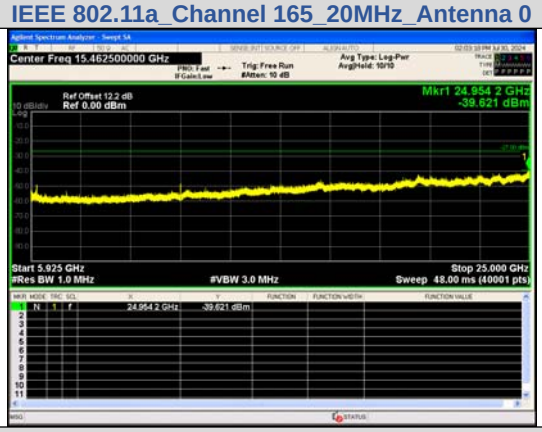
Spurious Emission:30.0~5650 MHz
IEEE 802.11a_Channel 157_20MHz_Antenna 0



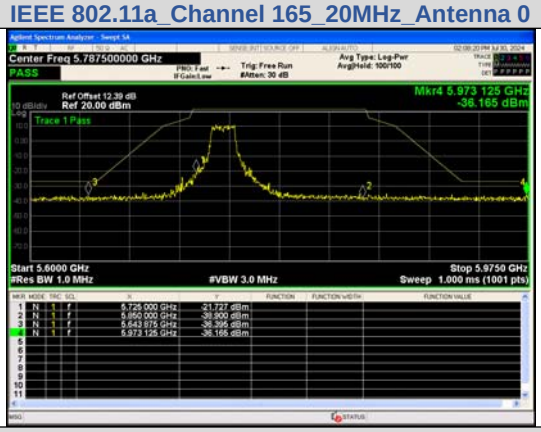
Spurious Emission:5925~25000.0 MHz
IEEE 802.11a_Channel 157_20MHz_Antenna 0



Out Of Band Emission
IEEE 802.11a_Channel 165_20MHz_Antenna 0

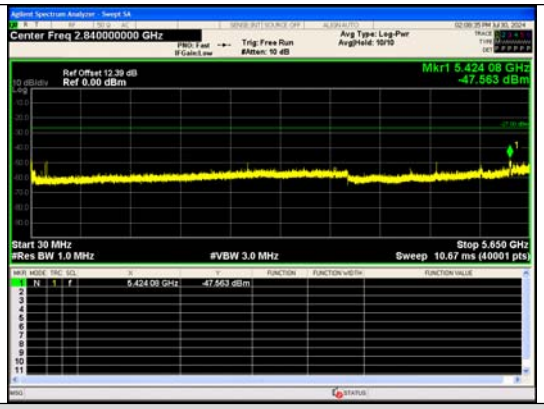


Spurious Emission:30.0~5650 MHz
IEEE 802.11a_Channel 165_20MHz_Antenna 0

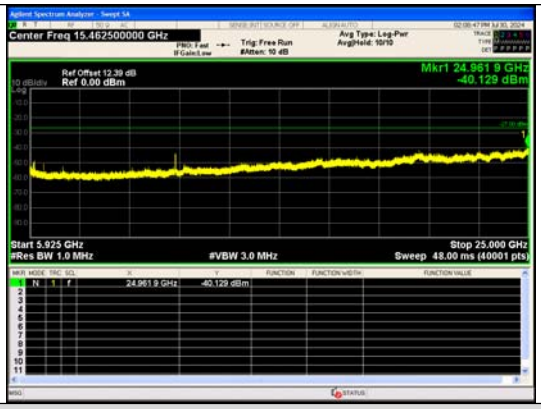


Spurious Emission:5925~25000.0 MHz
IEEE 802.11a_Channel 165_20MHz_Antenna 0

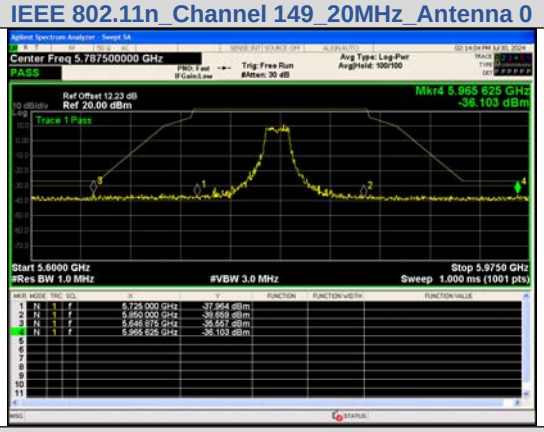
Out Of Band Emission
IEEE 802.11n_Channel 149_20MHz_Antenna 0



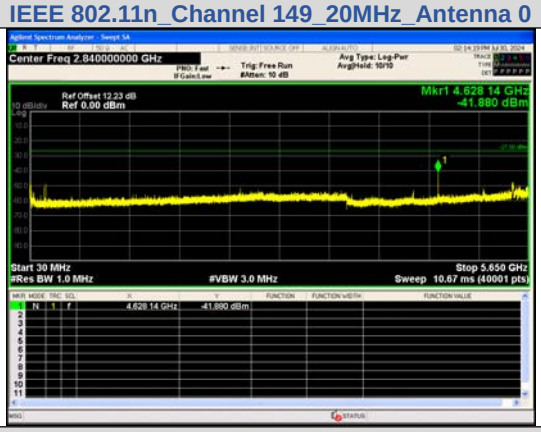
Spurious Emission:30.0~5650 MHz
IEEE 802.11n_Channel 149_20MHz_Antenna 0



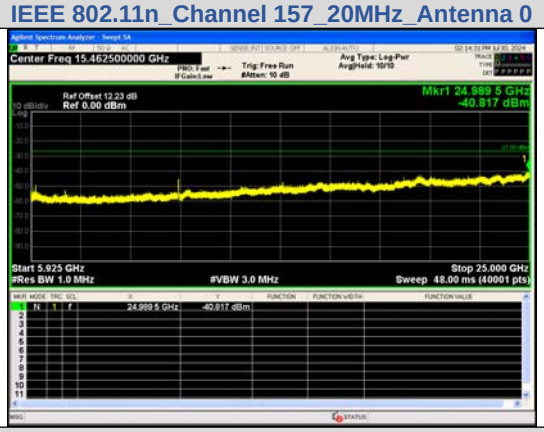
Spurious Emission:5925~25000.0 MHz
IEEE 802.11n_Channel 149_20MHz_Antenna 0



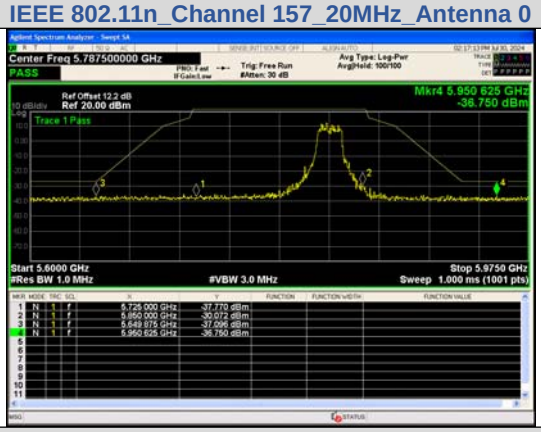
Out Of Band Emission
IEEE 802.11n_Channel 157_20MHz_Antenna 0



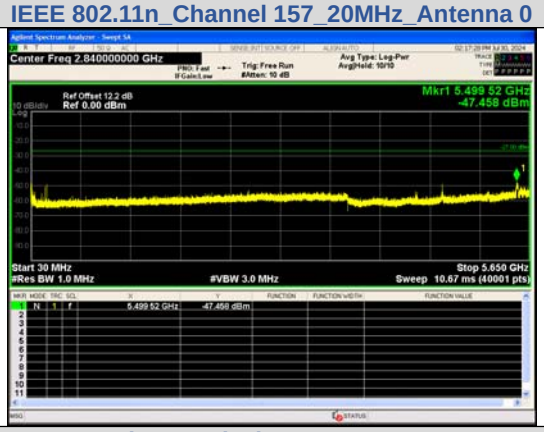
Spurious Emission:30.0~5650 MHz
IEEE 802.11n_Channel 157_20MHz_Antenna 0



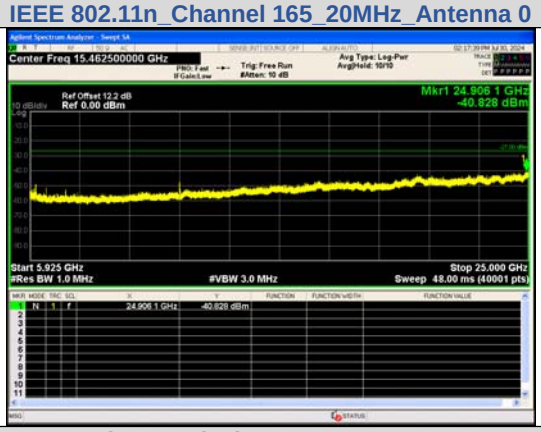
Spurious Emission:5925~25000.0 MHz
IEEE 802.11n_Channel 157_20MHz_Antenna 0



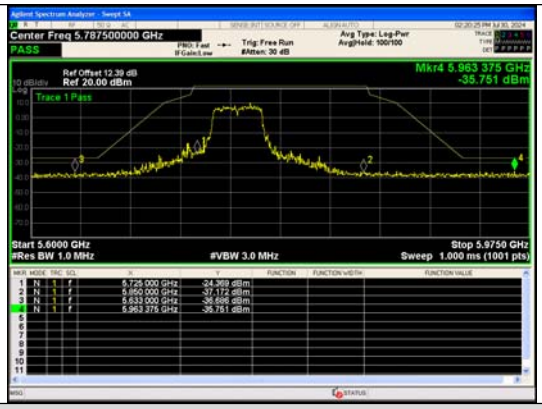
Out Of Band Emission
IEEE 802.11n_Channel 165_20MHz_Antenna 0



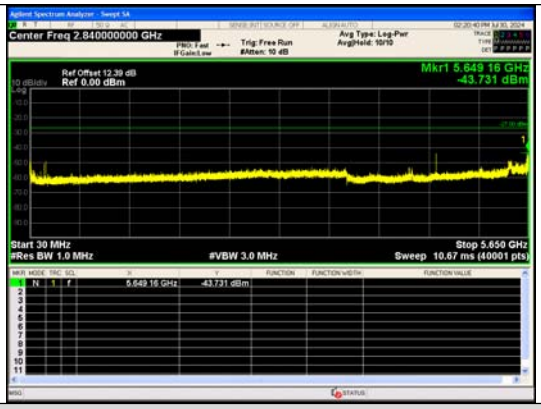
Spurious Emission:30.0~5650 MHz
IEEE 802.11n_Channel 165_20MHz_Antenna 0



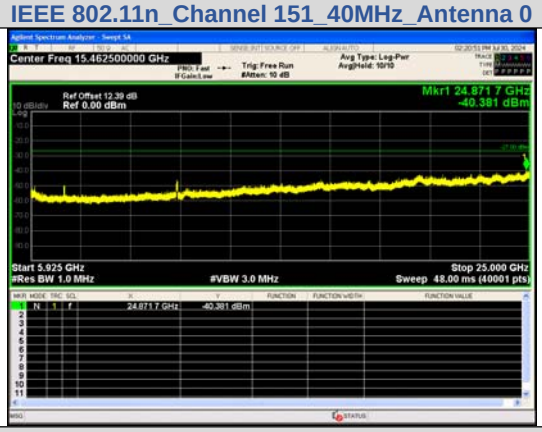
Spurious Emission:5925~25000.0 MHz
IEEE 802.11n_Channel 165_20MHz_Antenna 0



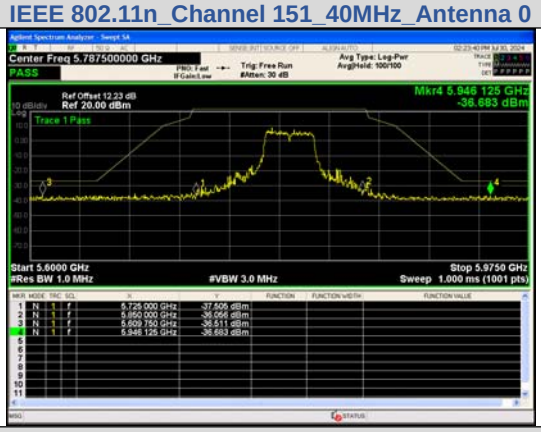
Out Of Band Emission
IEEE 802.11n_Channel 151_40MHz_Antenna 0



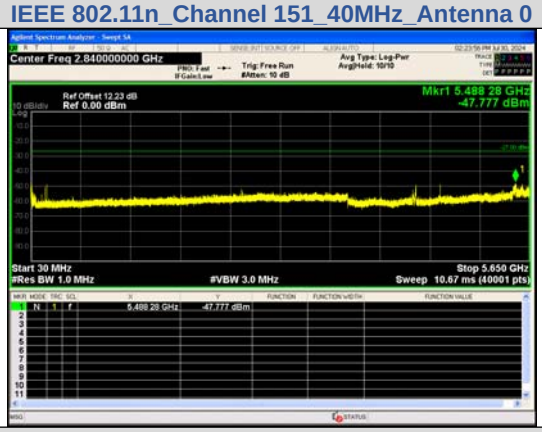
Spurious Emission:30.0~5650 MHz
IEEE 802.11n_Channel 151_40MHz_Antenna 0



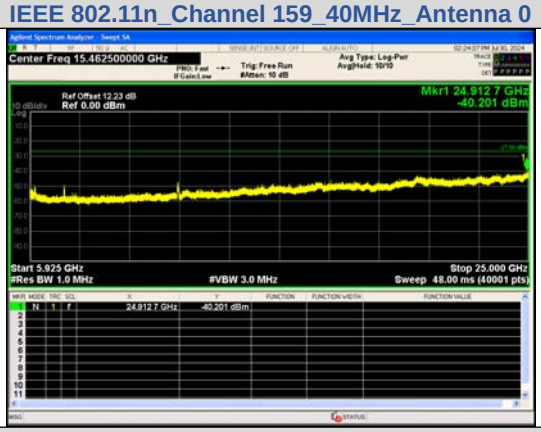
Spurious Emission:5925~25000.0 MHz
IEEE 802.11n_Channel 151_40MHz_Antenna 0



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

********** End of Report **********