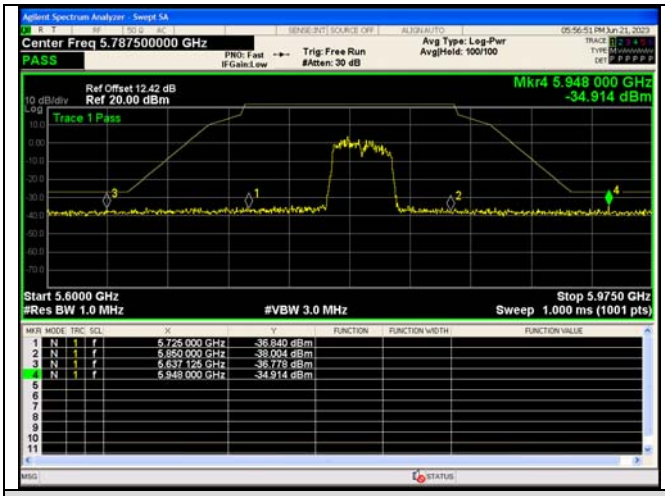
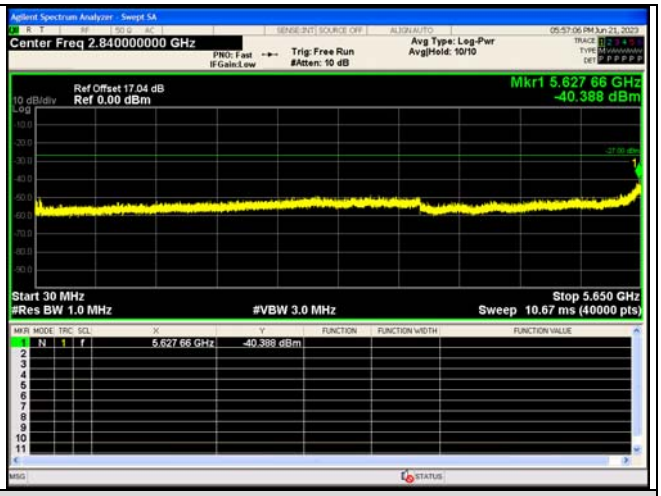


Out Of Band Emission

IEEE 802.11ac_Channel 159_40MHz_Antenna 0

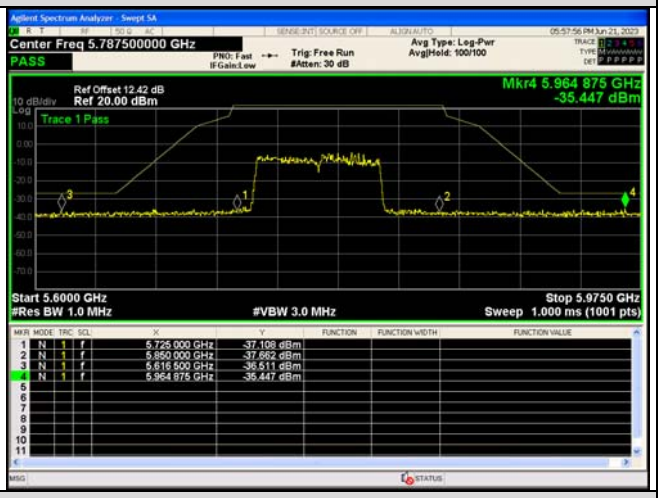


Spurious Emission:30.0~5650 MHz

IEEE 802.11ac_Channel 159_40MHz_Antenna 0

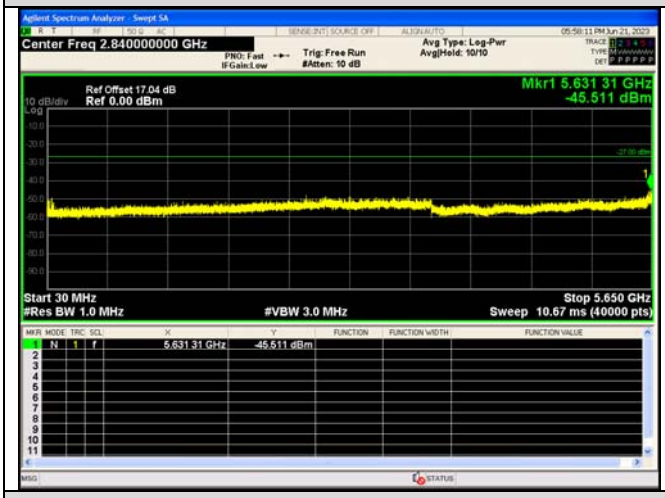
Spurious Emission:5925~25000.0 MHz

IEEE 802.11ac_Channel 159_40MHz_Antenna 0



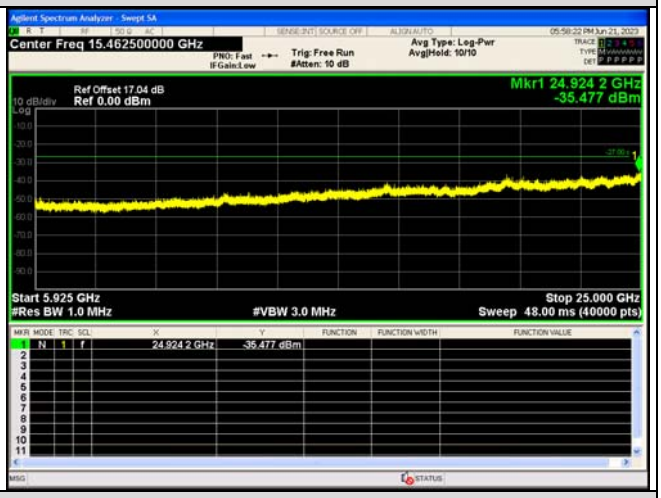
Out Of Band Emission

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

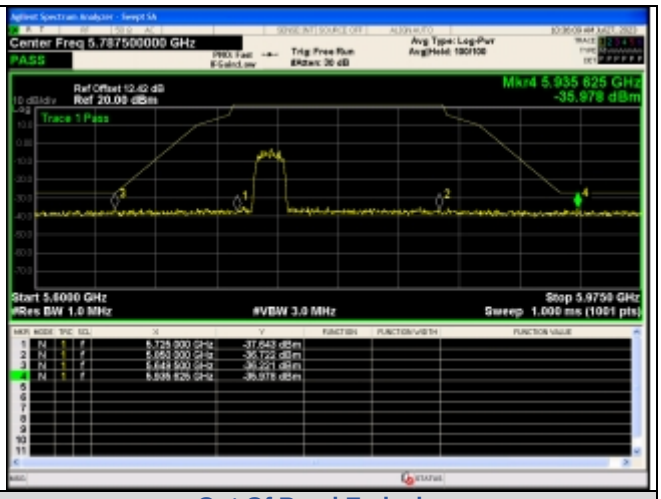
Antenna A+ Antenna B:

Test Result

Mode	Channel	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
IEEE 802.11n_20	149	0	2521.27	-29.248	-27	-2.250	PASS
			5649.50	-36.221	-27	-9.221	PASS
			5725.00	-37.643	27	-64.640	PASS
			5850.00	-36.722	27	-63.720	PASS
			5935.62	-35.978	-27	-8.978	PASS
			23778.7	-35.175	-27	-8.170	PASS
	157		2428.68	-36.956	-27	-9.960	PASS
			5646.12	-36.560	-27	-9.560	PASS
			5725.00	-35.274	27	-62.270	PASS
			5850.00	-37.633	27	-64.630	PASS
			5930.75	-36.115	-27	-9.115	PASS
			24992.8	-35.549	-27	-8.550	PASS
	165		2445.54	-36.734	-27	-9.730	PASS
			5645.38	-36.498	-27	-9.498	PASS
			5725.00	-37.405	27	-64.410	PASS
			5850.00	-38.285	27	-65.280	PASS
			5972.00	-35.924	-27	-8.924	PASS
			24887.0	-35.638	-27	-8.640	PASS
IEEE 802.11n_40	151		2428.68	-36.706	-27	-9.710	PASS
			5634.12	-36.504	-27	-9.504	PASS
			5725.00	-37.315	27	-64.310	PASS
			5850.00	-37.132	27	-64.130	PASS
			5944.25	-36.330	-27	-9.329	PASS
			24960.4	-35.162	-27	-8.160	PASS
	159		2464.64	-44.545	-27	-17.550	PASS
			5646.50	-35.358	-27	-8.358	PASS
			5725.00	-38.025	27	-65.030	PASS
			5850.00	-38.106	27	-65.110	PASS
			5964.88	-36.360	-27	-9.360	PASS
			24957.6	-33.679	-27	-6.680	PASS
IEEE 802.11ac_20	149		2442.59	-32.565	-27	-5.560	PASS
			5633.00	-35.695	-27	-8.695	PASS
			5725.00	-37.118	27	-64.120	PASS
			5850.00	-37.082	27	-64.080	PASS
			5956.62	-35.651	-27	-8.651	PASS
			24954.7	-35.402	-27	-8.400	PASS
	157		2433.03	-33.143	-27	-6.140	PASS
			5650.25	-35.937	-26.815	-9.121	PASS
			5725.00	-36.510	27	-63.510	PASS
			5850.00	-37.672	27	-64.670	PASS
			5947.62	-35.258	-27	-8.258	PASS
			24932.8	-34.881	-27	-7.880	PASS
	165		2471.25	-36.625	-27	-9.620	PASS
			5637.50	-36.672	-27	-9.672	PASS
			5725.00	-37.760	27	-64.760	PASS
			5850.00	-36.321	27	-63.320	PASS
			5950.62	-36.364	-27	-9.364	PASS
			24935.1	-37.879	-27	-10.880	PASS
IEEE 802.11ac_40	151		2426.29	-36.214	-27	-9.210	PASS
			5630.00	-36.388	-27	-9.387	PASS
			5725.00	-36.485	27	-63.480	PASS
			5850.00	-38.865	27	-65.870	PASS
			5953.25	-36.532	-27	-9.532	PASS
			24859.8	-35.438	-27	-8.440	PASS
	159		5205.45	-34.712	-27	-7.710	PASS
			5622.12	-36.203	-27	-9.203	PASS
			5725.00	-37.279	27	-64.280	PASS
			5850.00	-38.391	27	-65.390	PASS
			5932.62	-36.183	-27	-9.183	PASS

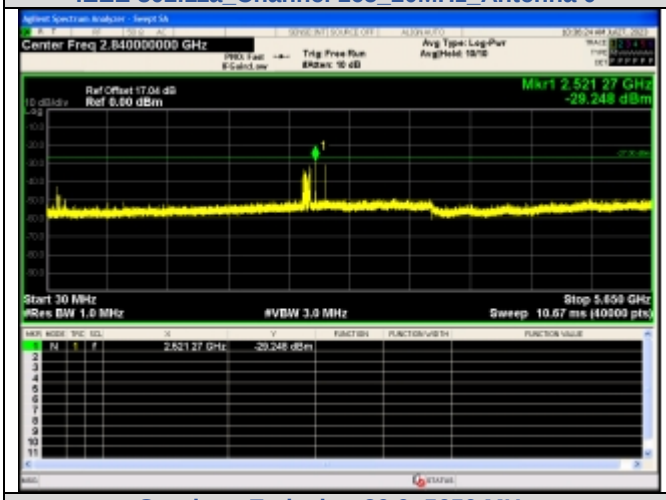
			24944.7	-34.877	-27	-7.880	PASS
IEEE 802.11ac_80	155		2412.24	-33.130	-27	-6.130	PASS
			5612.00	-36.217	-27	-9.217	PASS
			5725.00	-37.707	27	-64.710	PASS
			5850.00	-37.940	27	-64.940	PASS
			5940.88	-35.603	-27	-8.603	PASS
			24496.4	-35.068	-27	-8.070	PASS

Test Graphs

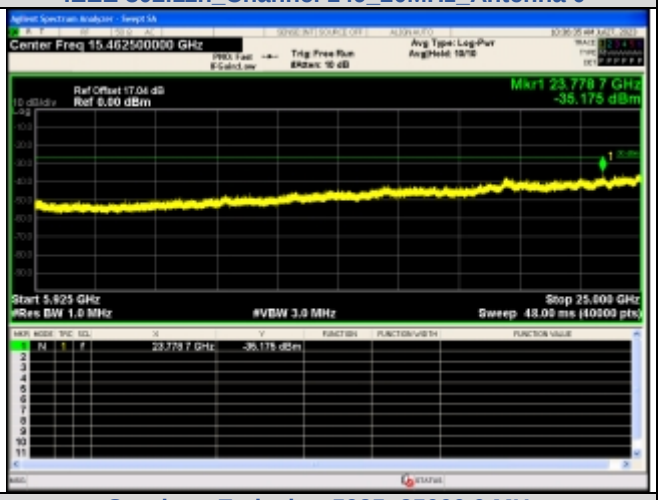


IEEE 802.11a_Channel 165_20MHz_Antenna 0

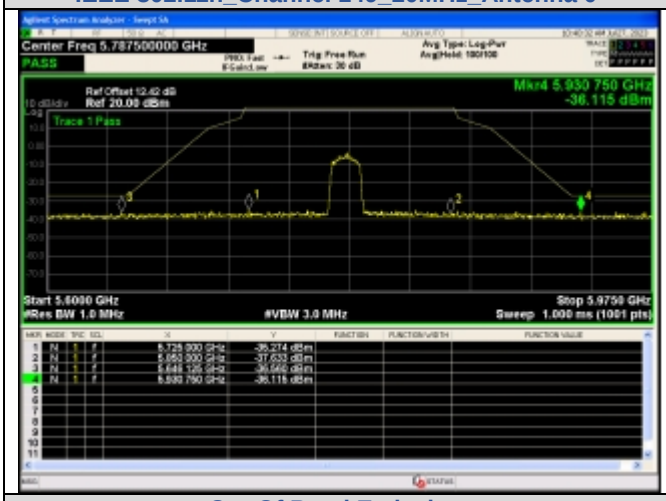
Out Of Band Emission
IEEE 802.11n_Channel 149_20MHz_Antenna 0



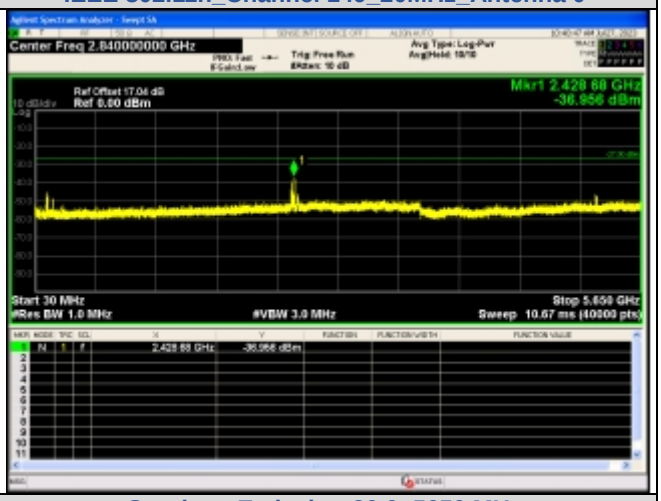
Spurious Emission:30.0~5650 MHz
IEEE 802.11n_Channel 149_20MHz_Antenna 0



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

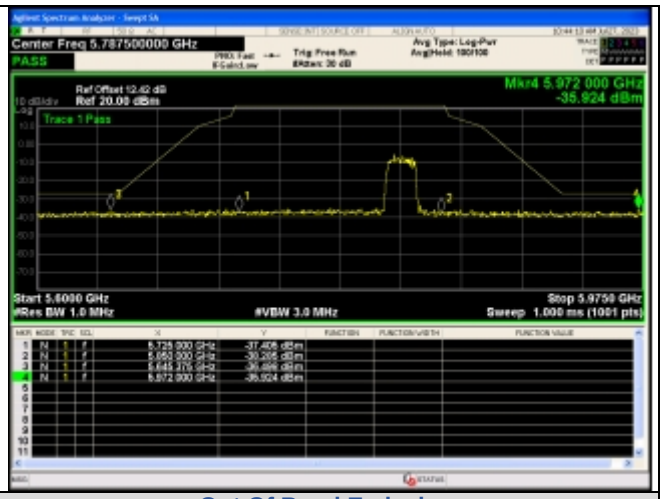


Out Of Band Emission
IEEE 802.11n_Channel 157_20MHz_Antenna 0

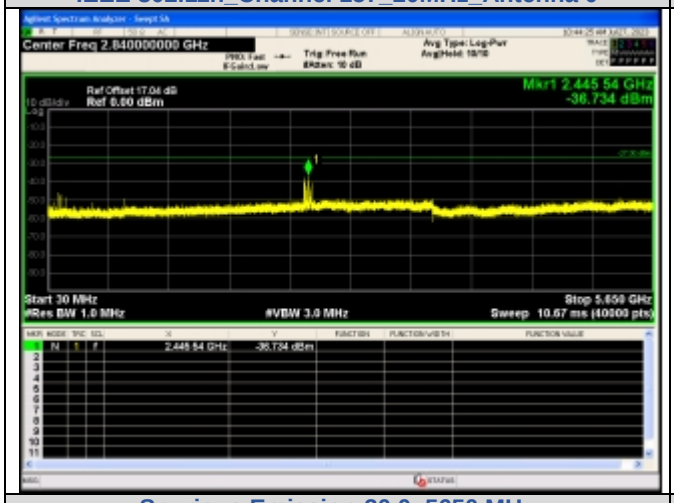


Spurious Emission:30.0~5650 MHz
IEEE 802.11n_Channel 157_20MHz_Antenna 0

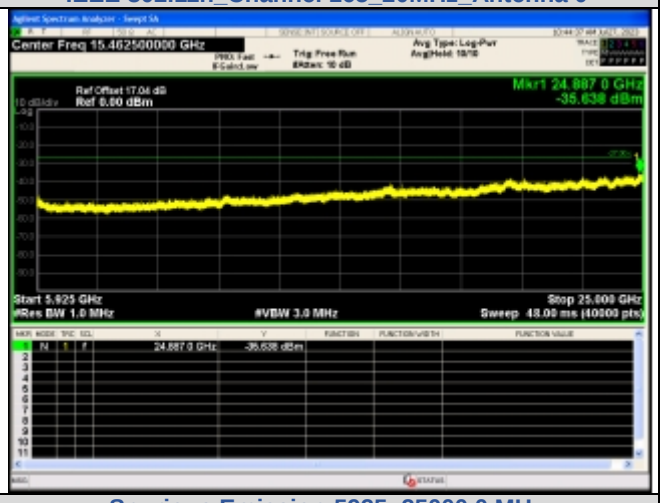
Spurious Emission:5925~25000.0 MHz
IEEE 802.11n_Channel 157_20MHz_Antenna 0



Out Of Band Emission
IEEE 802.11n_Channel 165_20MHz_Antenna 0

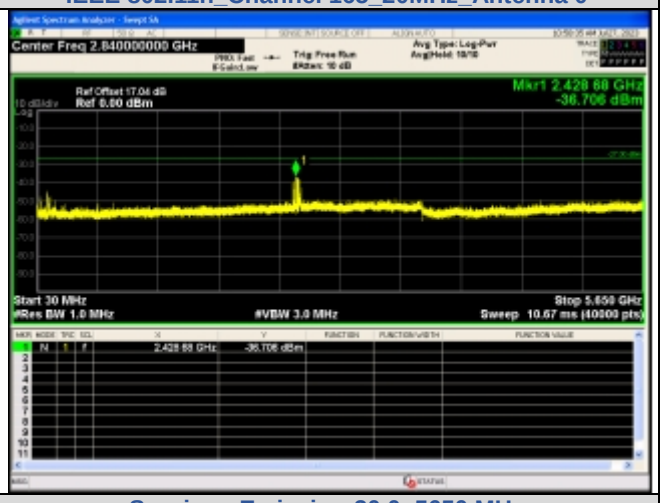


Spurious Emission:30.0~5650 MHz
IEEE 802.11n_Channel 165_20MHz_Antenna 0



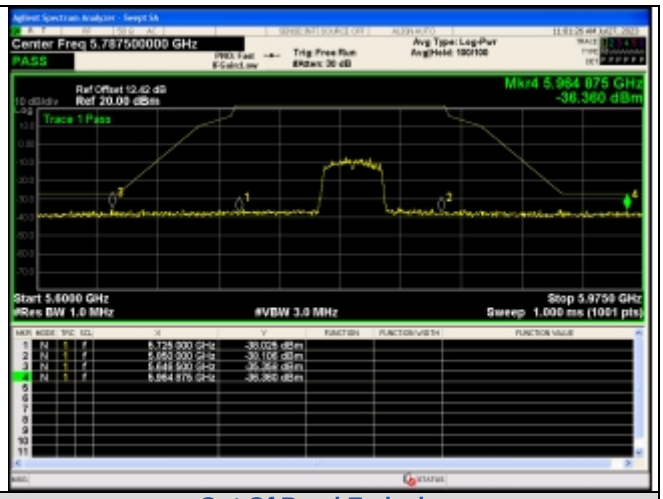
Spurious Emission:5925~25000.0 MHz
IEEE 802.11n_Channel 165_20MHz_Antenna 0

Out Of Band Emission
IEEE 802.11n_Channel 151_40MHz_Antenna 0



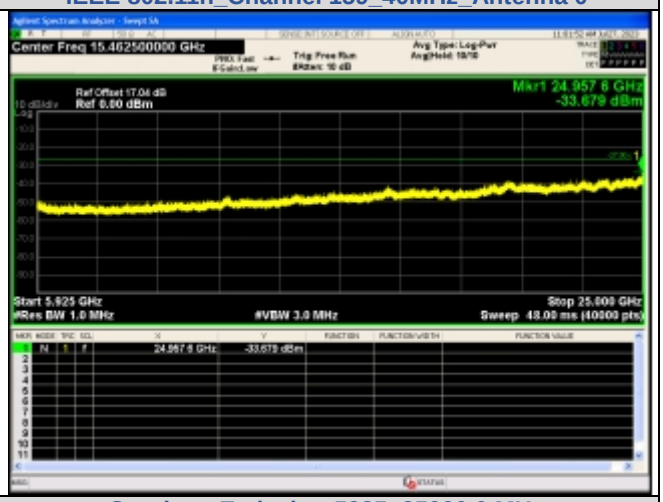
Spurious Emission:30.0~5650 MHz
IEEE 802.11n_Channel 151_40MHz_Antenna 0

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



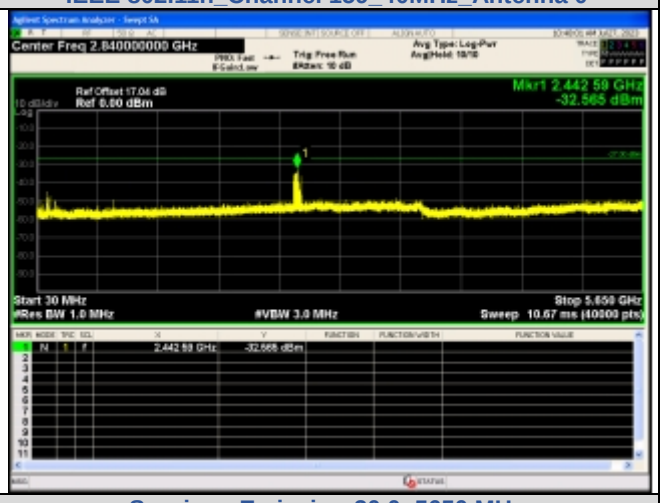
Out Of Band Emission
IEEE 802.11n_Channel 159_40MHz_Antenna 0

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



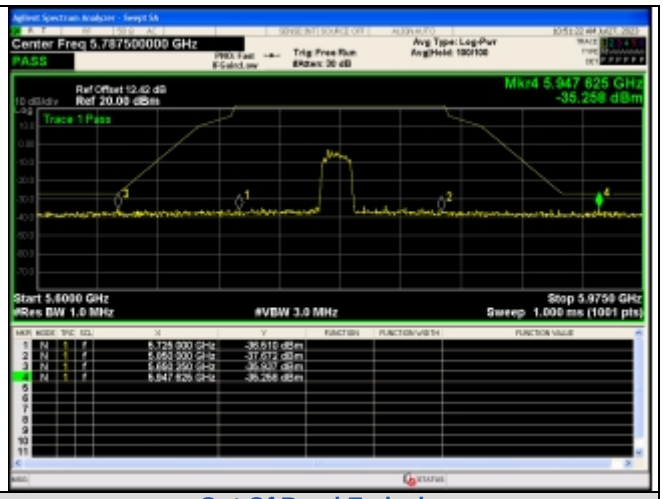
Spurious Emission:5925~25000.0 MHz
IEEE 802.11n_Channel 159_40MHz_Antenna 0

Out Of Band Emission
IEEE 802.11ac_Channel 149_20MHz_Antenna 0

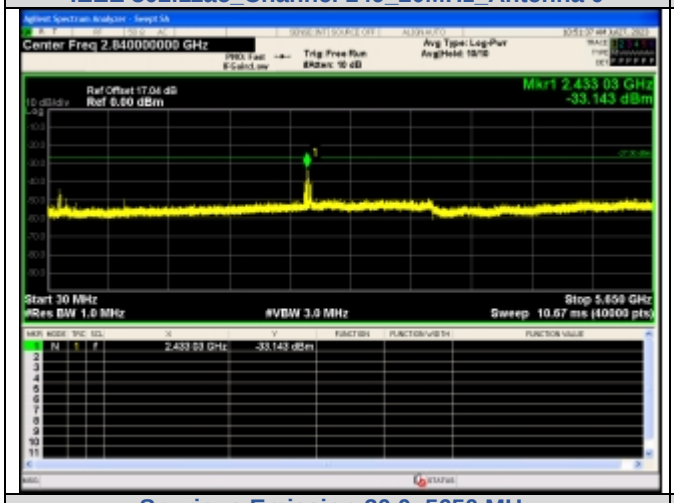


Spurious Emission:30.0~5650 MHz
IEEE 802.11ac_Channel 149_20MHz_Antenna 0

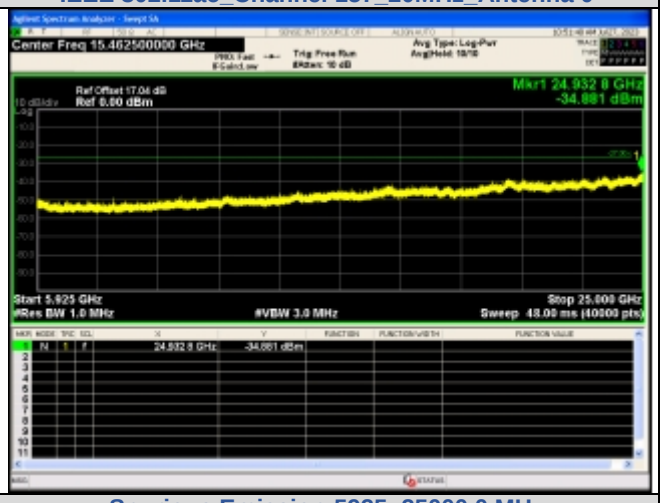
Spurious Emission:5925~25000.0 MHz
IEEE 802.11ac_Channel 149_20MHz_Antenna 0



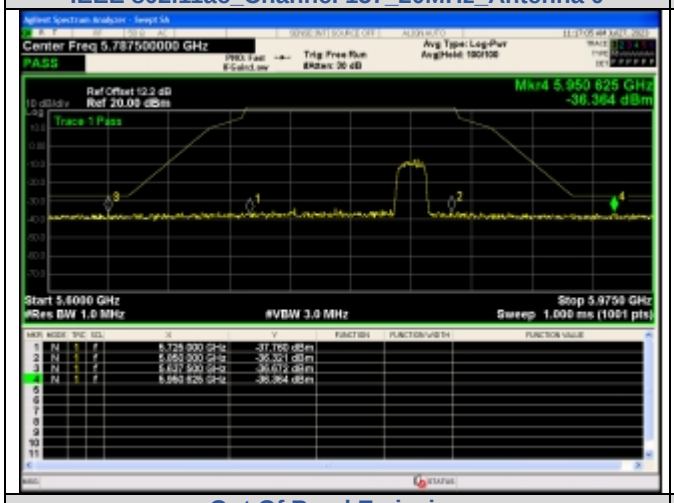
Out Of Band Emission
IEEE 802.11ac_Channel 157_20MHz_Antenna 0



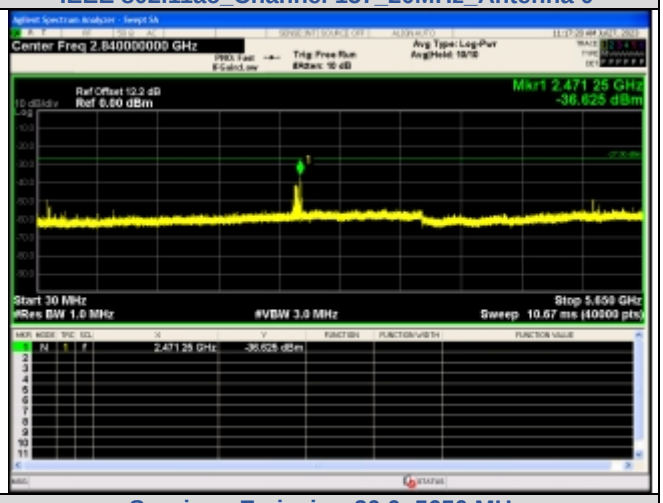
Spurious Emission:30.0~5650 MHz
IEEE 802.11ac_Channel 157_20MHz_Antenna 0



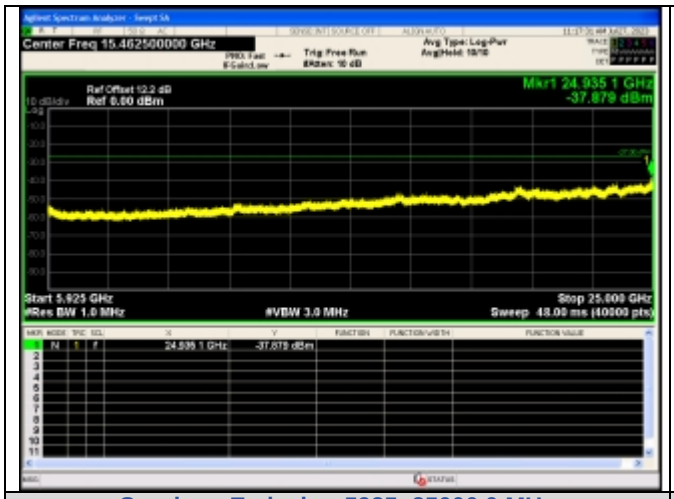
Spurious Emission:5925~25000.0 MHz
IEEE 802.11ac_Channel 157_20MHz_Antenna 0



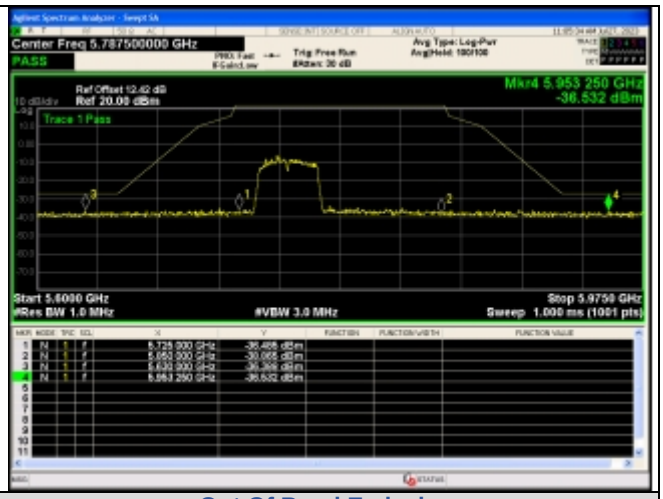
Out Of Band Emission
IEEE 802.11ac_Channel 165_20MHz_Antenna 0



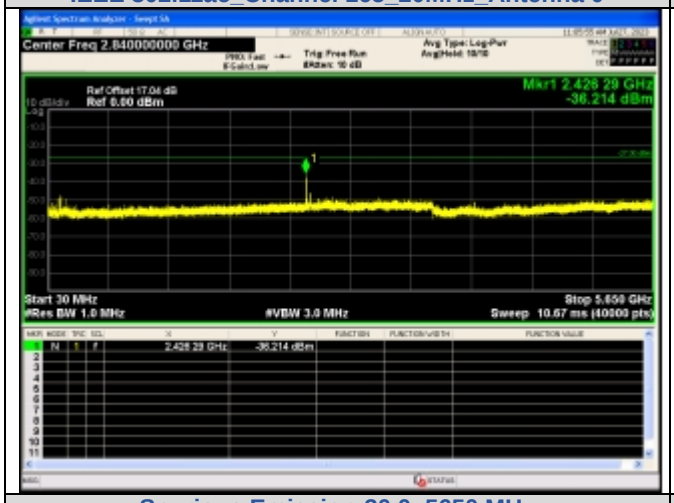
Spurious Emission:30.0~5650 MHz
IEEE 802.11ac_Channel 165_20MHz_Antenna 0



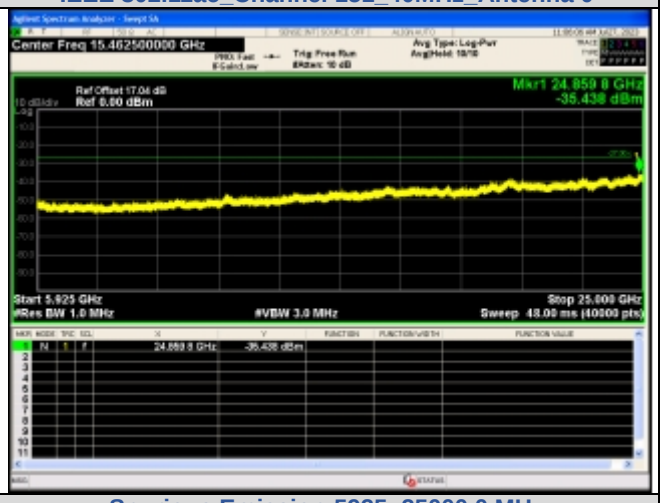
Spurious Emission:5925~25000.0 MHz
IEEE 802.11ac_Channel 165_20MHz_Antenna 0



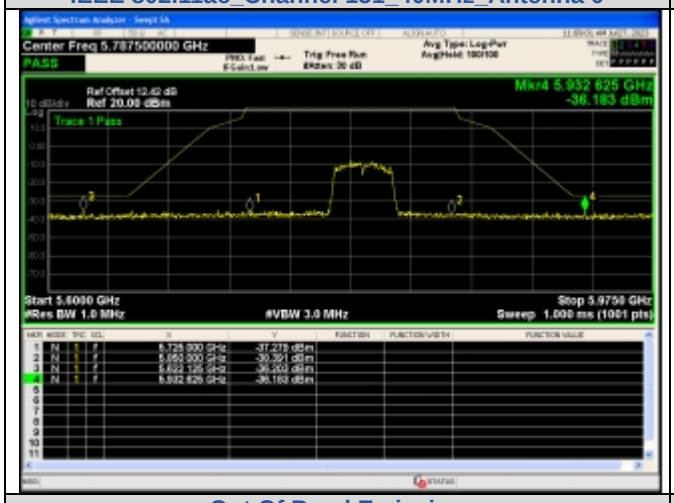
Out Of Band Emission
IEEE 802.11ac_Channel 151_40MHz_Antenna 0



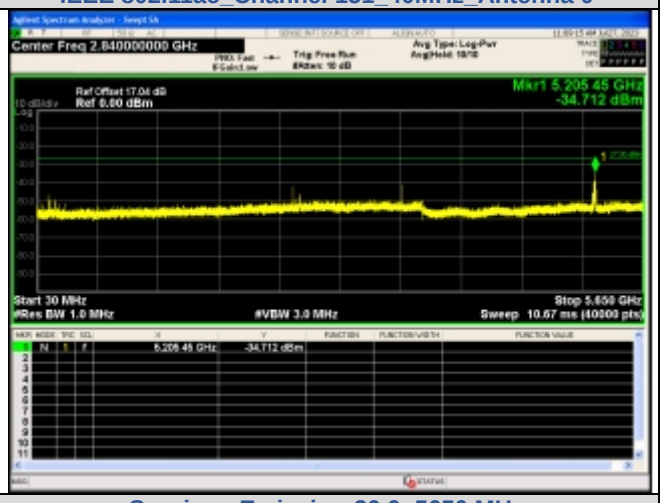
Spurious Emission:30.0~5650 MHz
IEEE 802.11ac_Channel 151_40MHz_Antenna 0



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

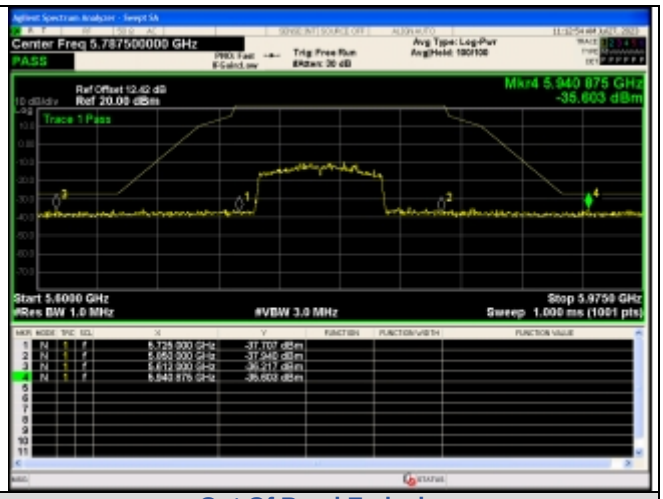


Out Of Band Emission
IEEE 802.11ac_Channel 159_40MHz_Antenna 0

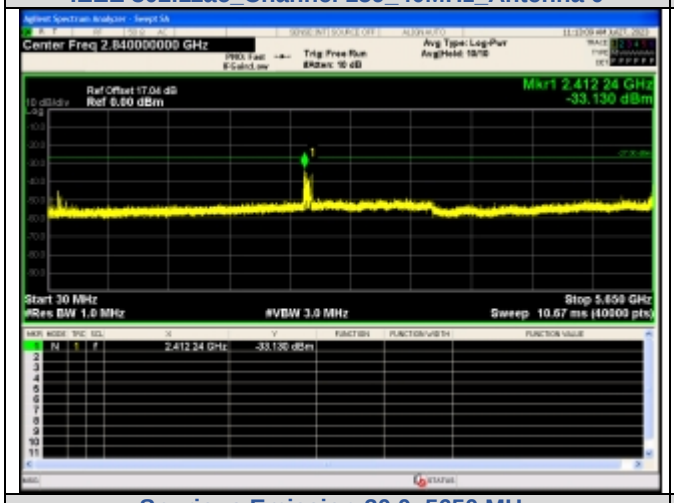


Spurious Emission:30.0~5650 MHz
IEEE 802.11ac_Channel 159_40MHz_Antenna 0

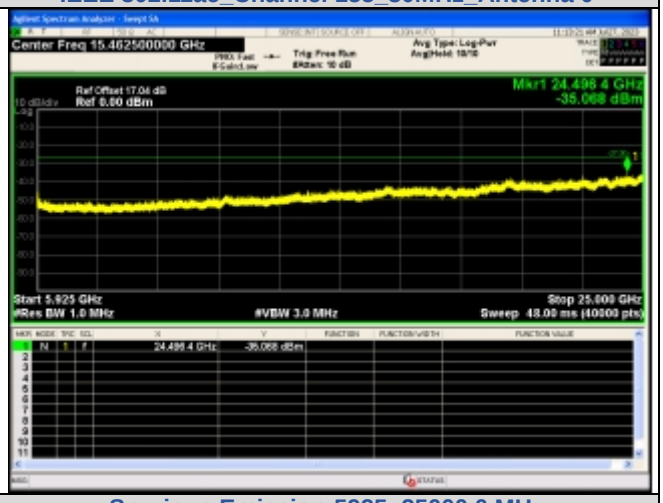
Spurious Emission:5925~25000.0 MHz
IEEE 802.11ac_Channel 159_40MHz_Antenna 0



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

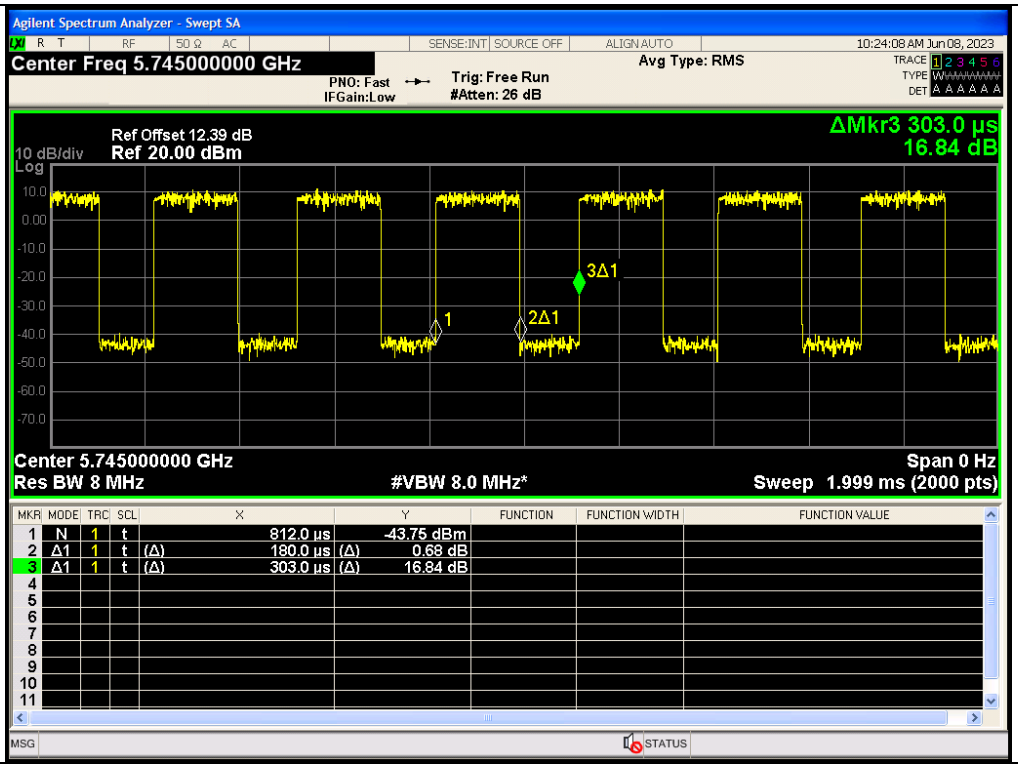
APPENDIX VII.Duty Cycle

Antenna A:

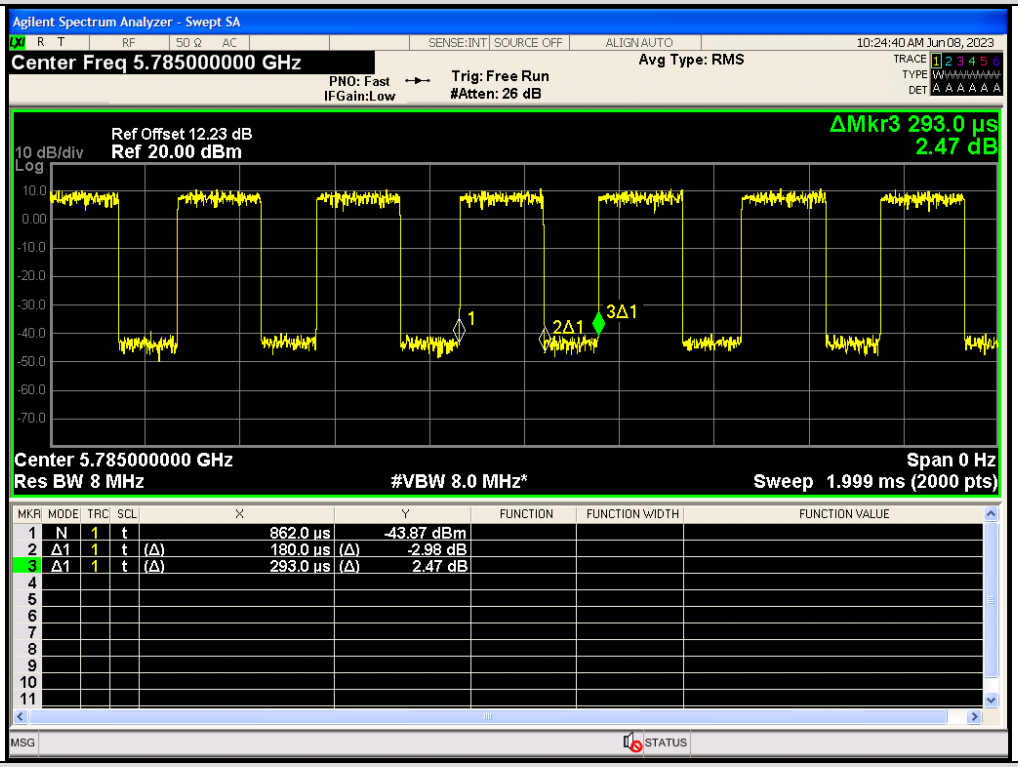
Test Result

Mode	Data rates	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
IEEE 802.11a	54	149	0.180	0.303	59.41	0.5941	2.2614
		157	0.180	0.293	61.43	0.6143	2.1162
		165	0.180	0.302	59.60	0.5960	2.2475
IEEE 802.11n_20	MCS 7	149	0.167	0.300	55.60	0.5560	2.5493
		157	0.168	0.300	56.00	0.5600	2.5181
		165	0.167	0.299	55.85	0.5585	2.5298
IEEE 802.11n_40		151	0.104	0.298	34.90	0.3490	4.5717
		159	0.104	0.298	34.90	0.3490	4.5717
IEEE 802.11ac_20	MCS 9	149	0.152	0.302	50.33	0.5033	2.9817
		157	0.152	0.302	50.33	0.5033	2.9817
		165	0.152	0.301	50.50	0.5050	2.9671
IEEE 802.11ac_40		151	0.108	0.293	36.86	0.3686	4.3344
		159	0.108	0.302	35.76	0.3576	4.466
IEEE 802.11ac_80		155	0.068	0.298	22.82	0.2282	6.4168

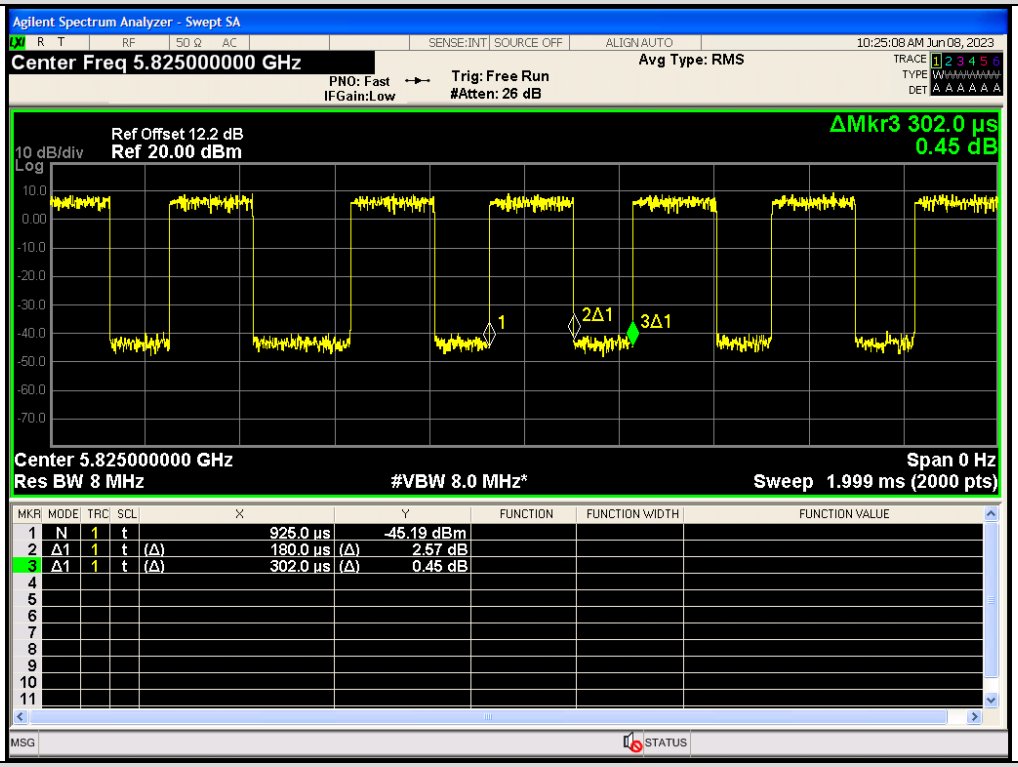
Test Graphs



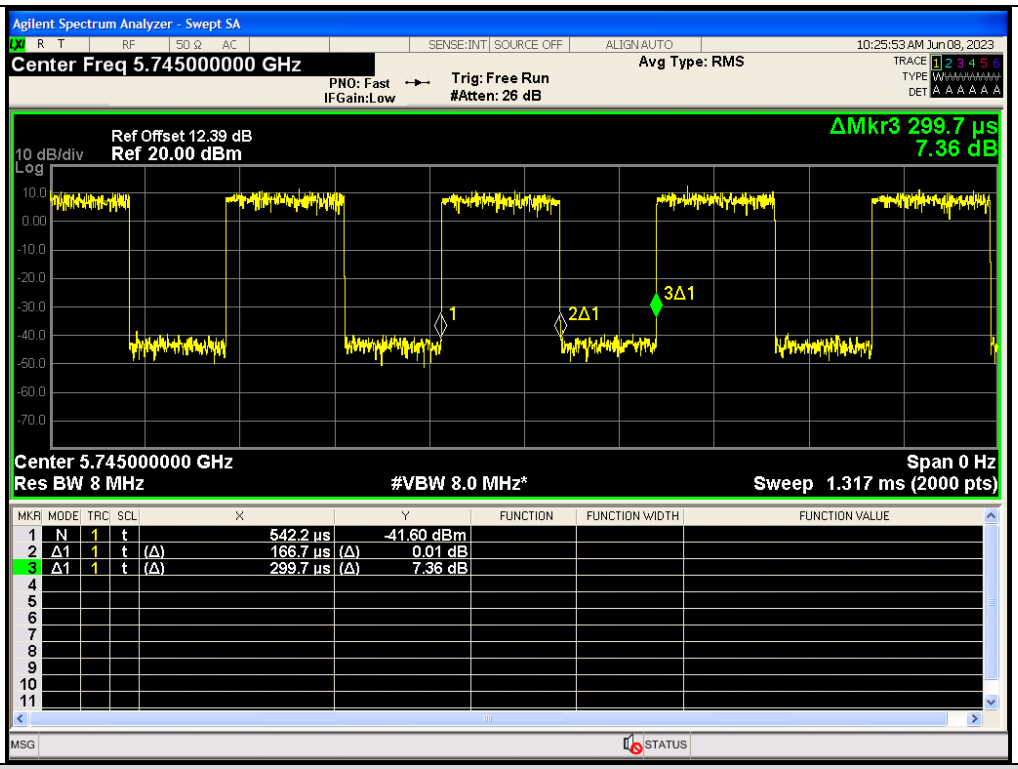
IEEE 802.11a_20MHz_Channel 149



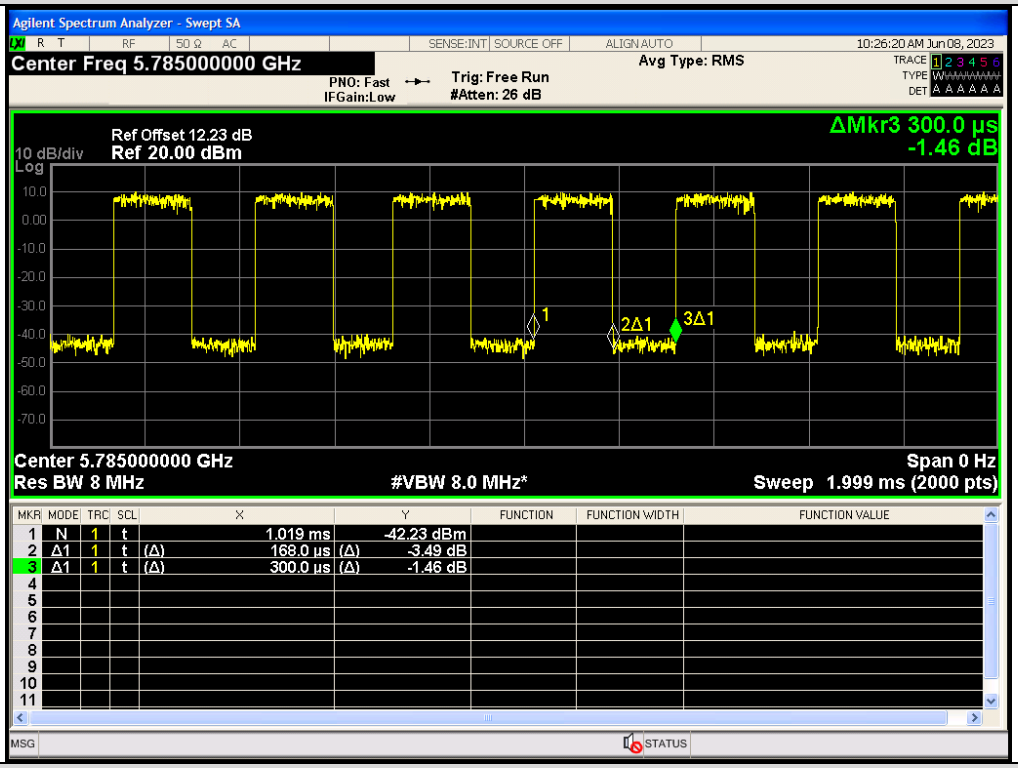
IEEE 802.11a_20MHz_Channel 157



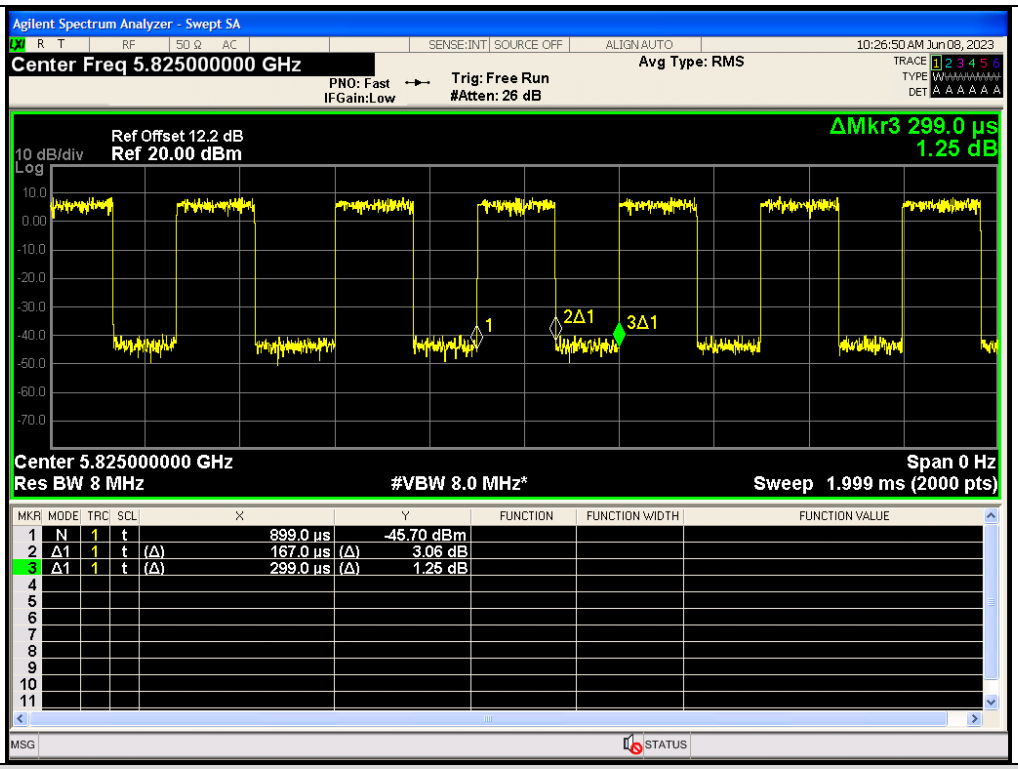
IEEE 802.11a_20MHz_Channel 165



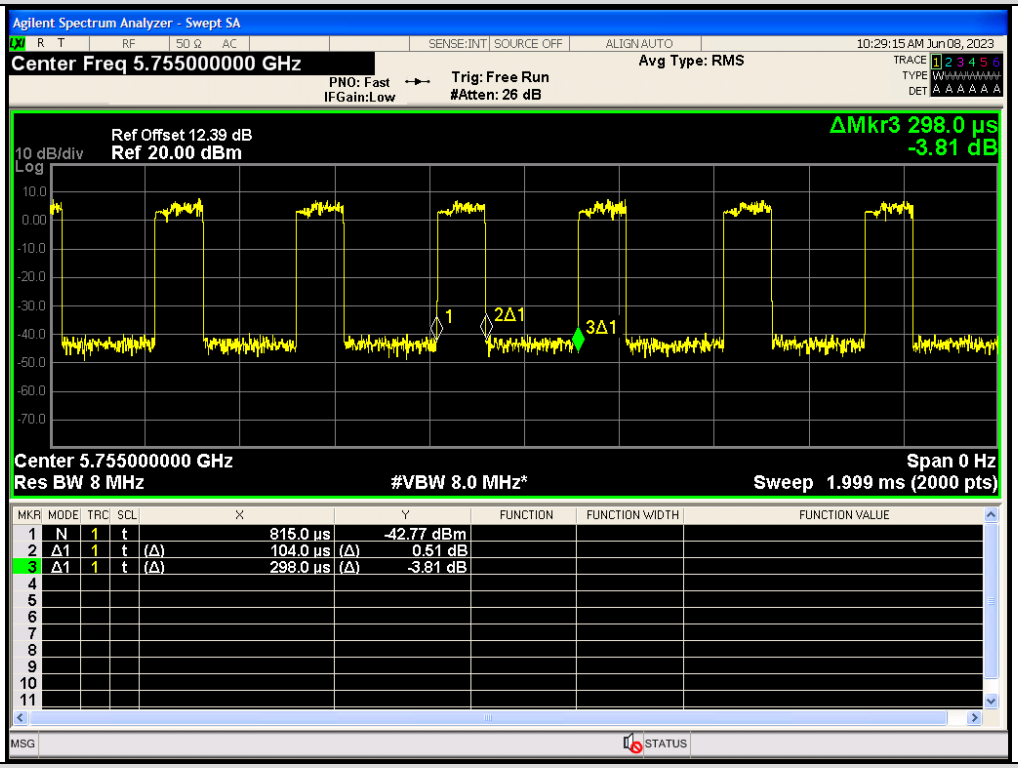
IEEE 802.11n_20MHz_Channel 149



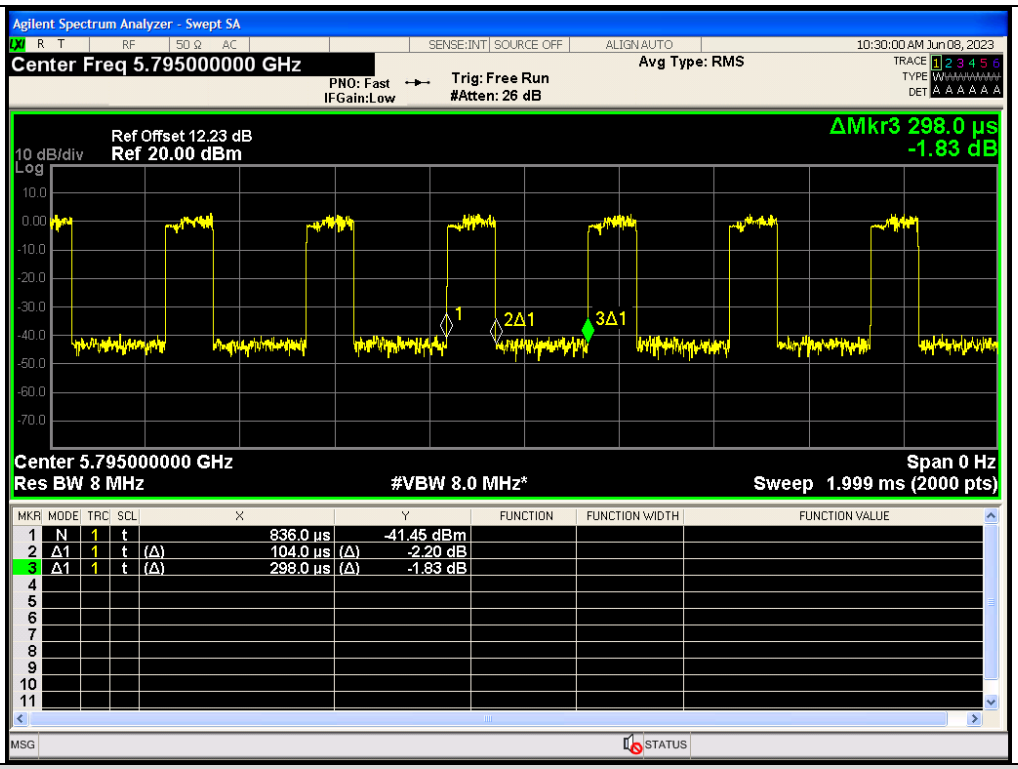
IEEE 802.11n_20MHz_Channel 157



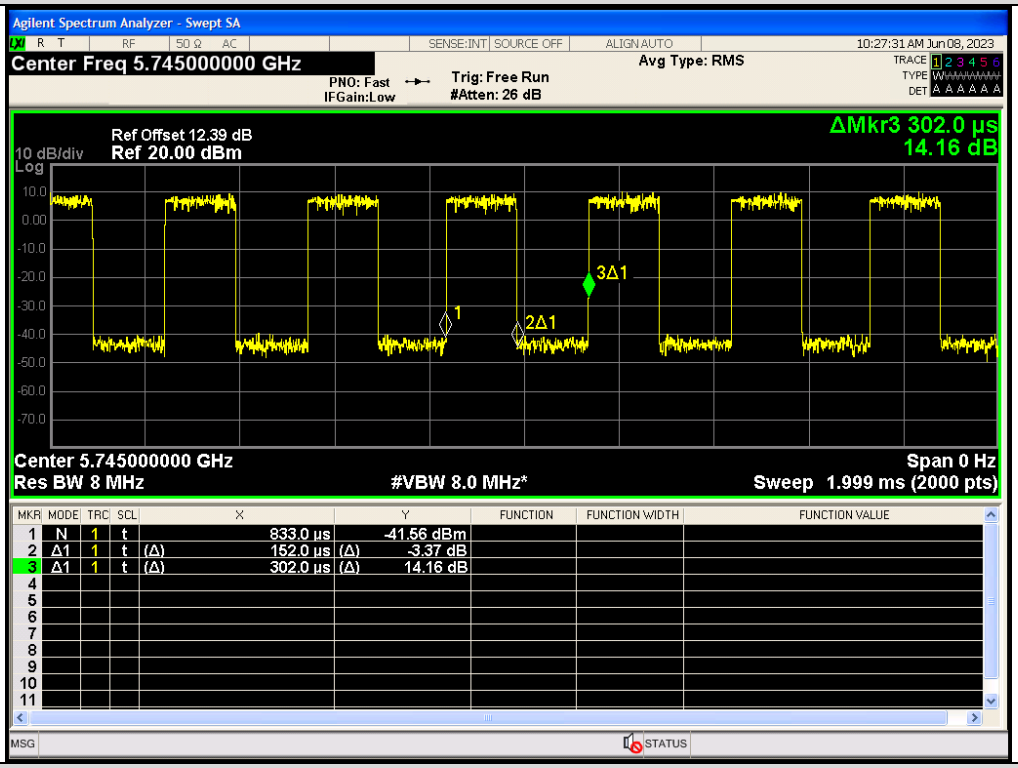
IEEE 802.11n_20MHz_Channel 165



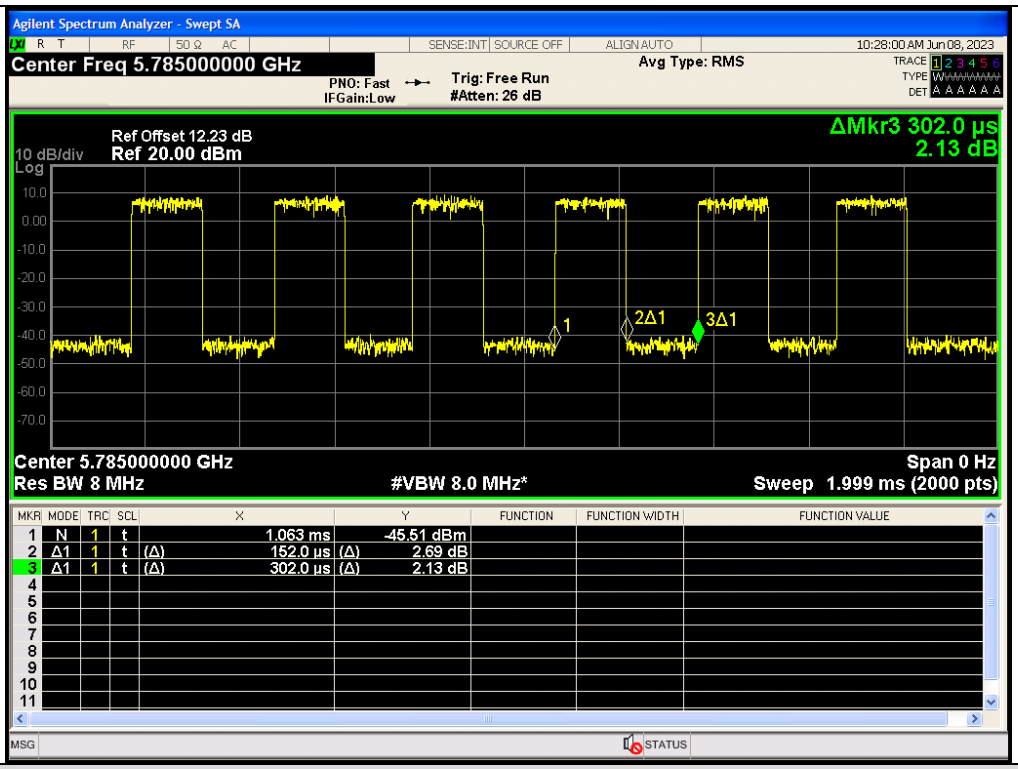
IEEE 802.11n_40MHz_Channel 151



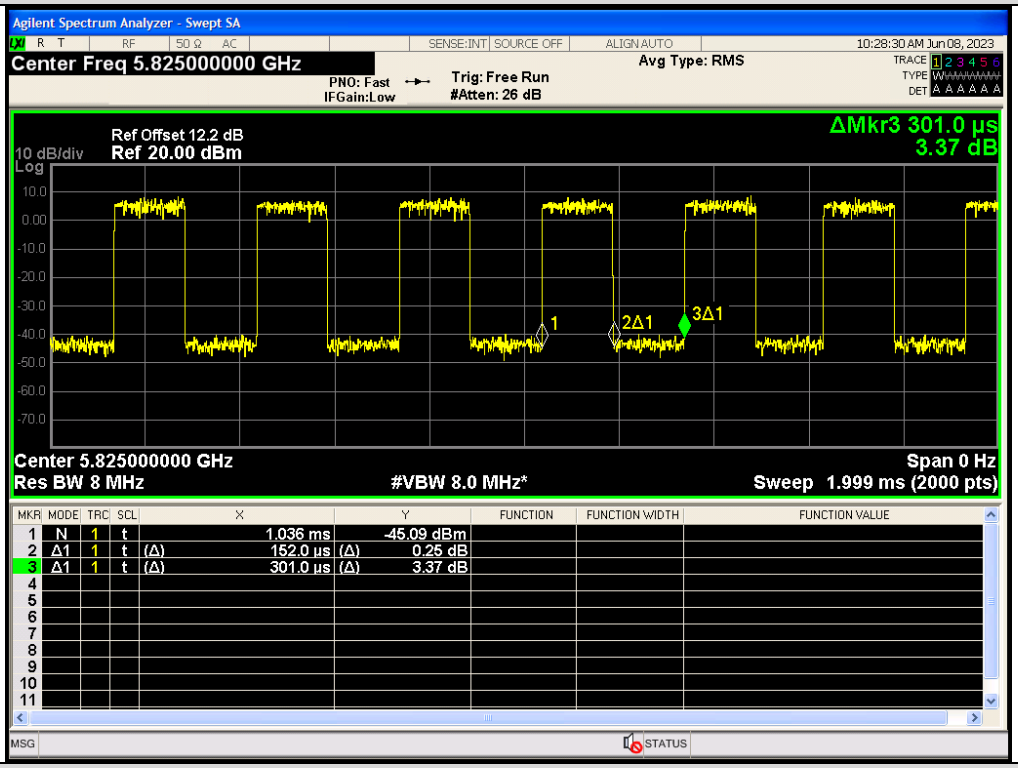
IEEE 802.11n_40MHz_Channel 159



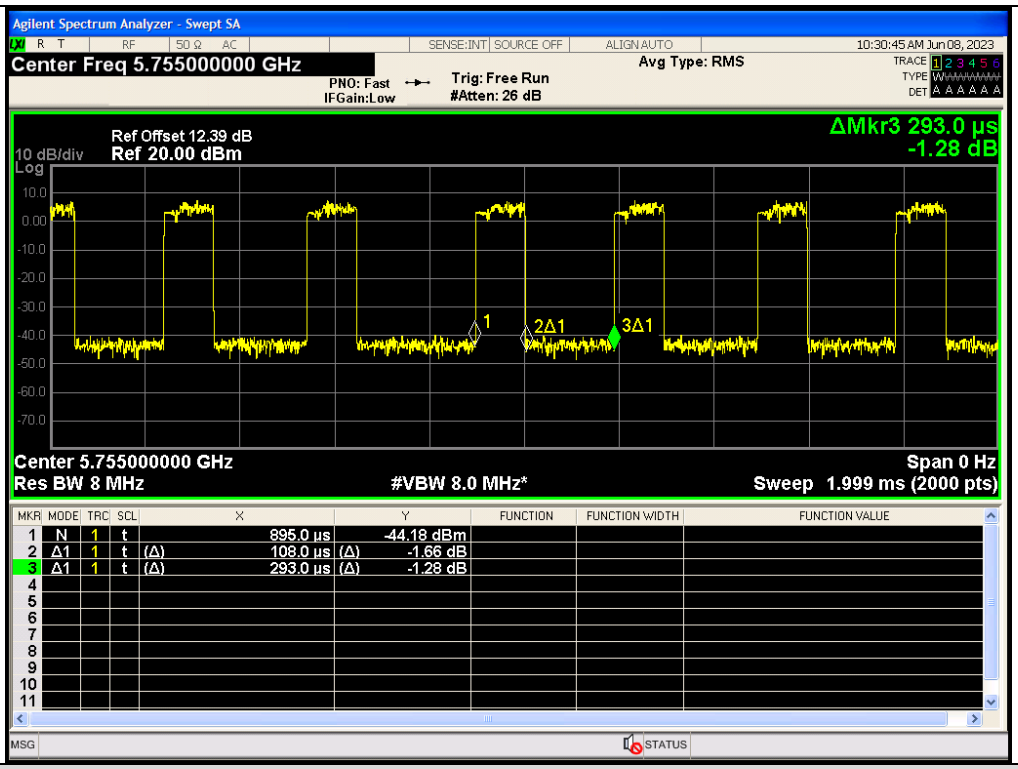
IEEE 802.11ac_20MHz_Channel 149



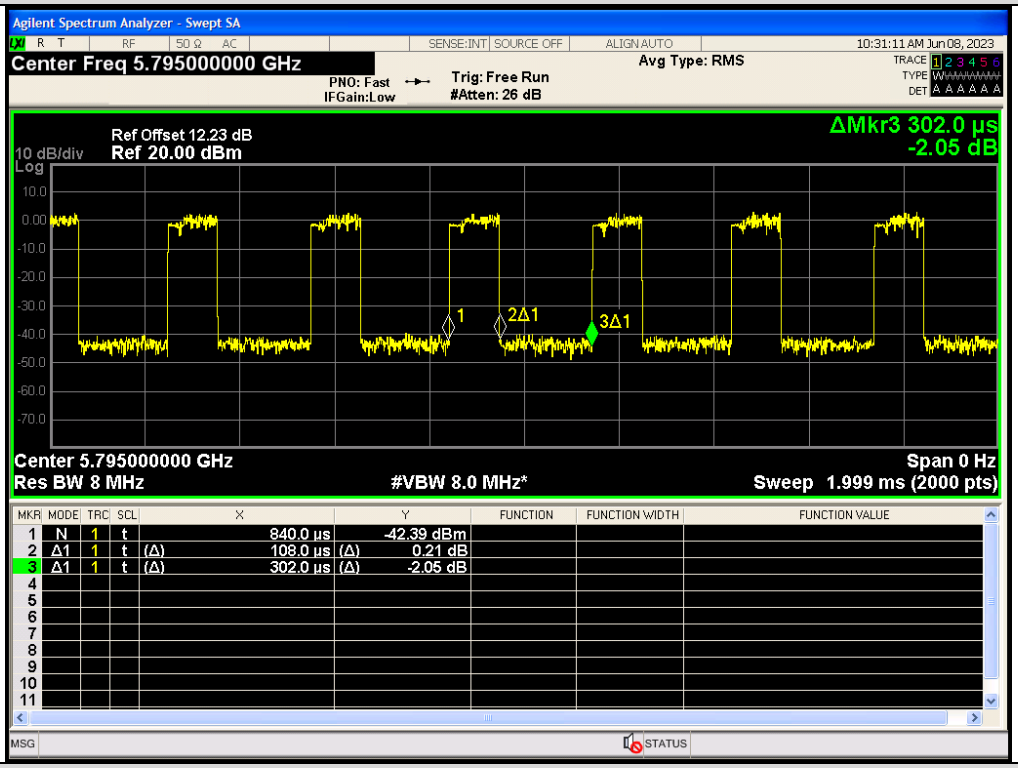
IEEE 802.11ac_20MHz_Channel 157



IEEE 802.11ac_20MHz_Channel 165



IEEE 802.11ac_40MHz_Channel 151



IEEE 802.11ac_40MHz_Channel 159