

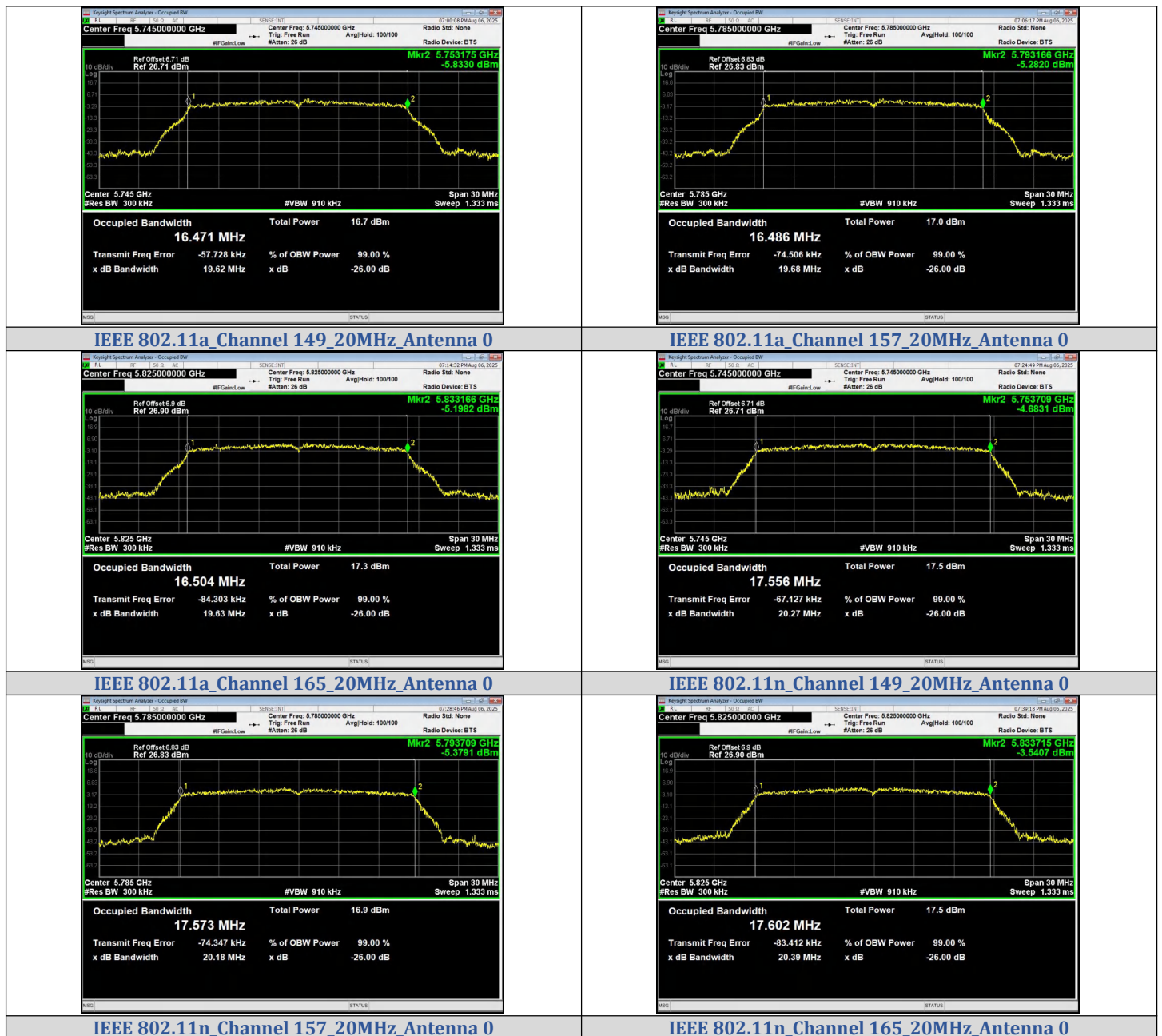
Conducted Output Power**Test Result**

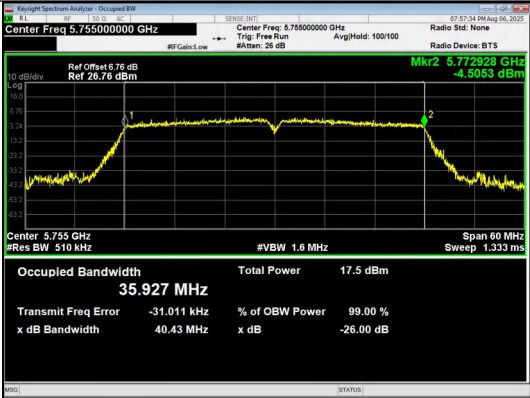
Mode	Channel	Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11a	149	9.56	≤30	PASS
	157	10.03	≤30	PASS
	165	10.34	≤30	PASS
IEEE 802.11n_20	149	11.51	≤30	PASS
	157	10.83	≤30	PASS
	165	11.64	≤30	PASS
IEEE 802.11n_40	151	11.04	≤30	PASS
	159	11.31	≤30	PASS

Note: offset(dB)= cable loss(dB)+ attenuator factor(dB) + Duty Cycle Factor(dB)

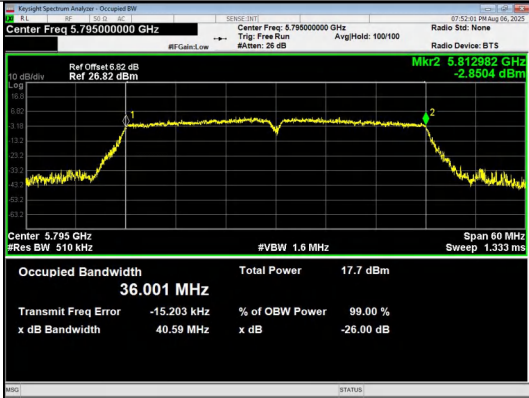
99% Bandwidth**Test Result**

Mode	Channel	Ant.	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11a	149	0	5745	16.471
	157		5785	16.486
	165		5825	16.504
IEEE 802.11n_20	149		5745	17.556
	157		5785	17.573
	165		5825	17.602
IEEE 802.11n_40	151		5755	35.927
	159		5795	36.001

Test Graphs



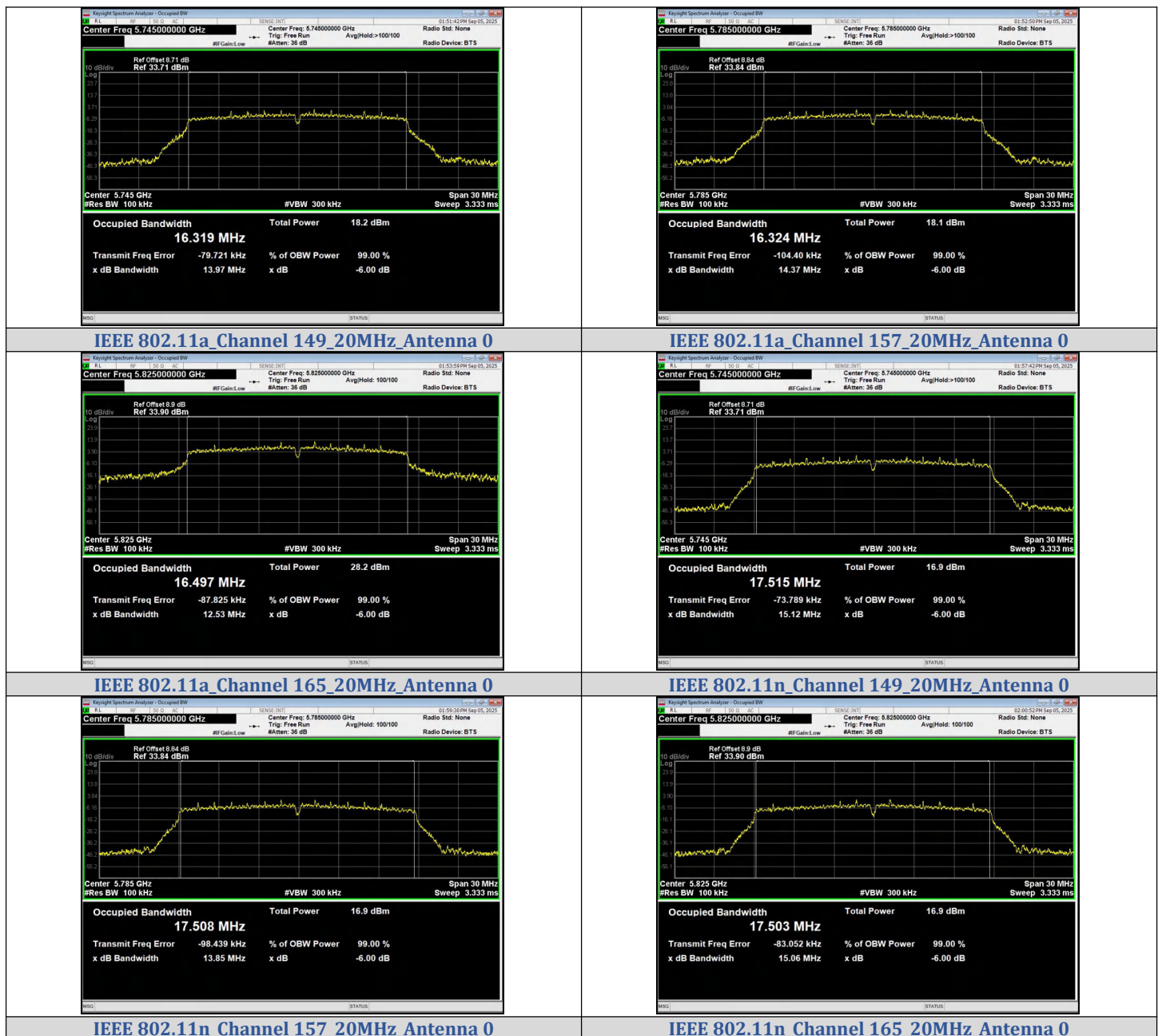
IEEE 802.11n_Channel 151_40MHz_Antenna 0

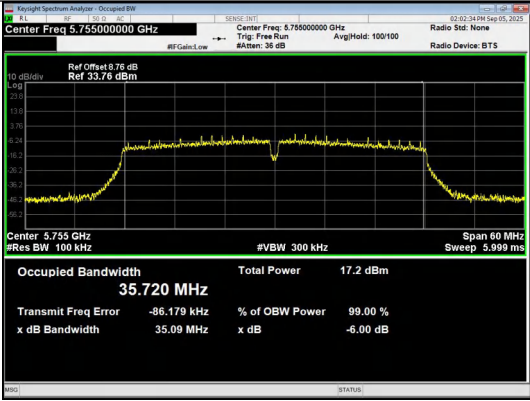


IEEE 802.11n_Channel 159_40MHz_Antenna 0

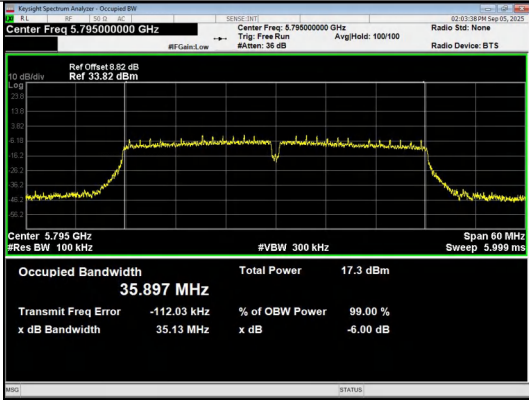
6dB Bandwidth**Test Result**

Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11a	149	0	5745	13.97	≥0.5	PASS
	157		5785	14.37		PASS
	165		5825	12.53		PASS
IEEE 802.11n_20	149		5745	15.12		PASS
	157		5785	13.85		PASS
	165		5825	15.06		PASS
IEEE 802.11n_40	151		5755	35.09		PASS
	159		5795	35.13		PASS

Test Graphs



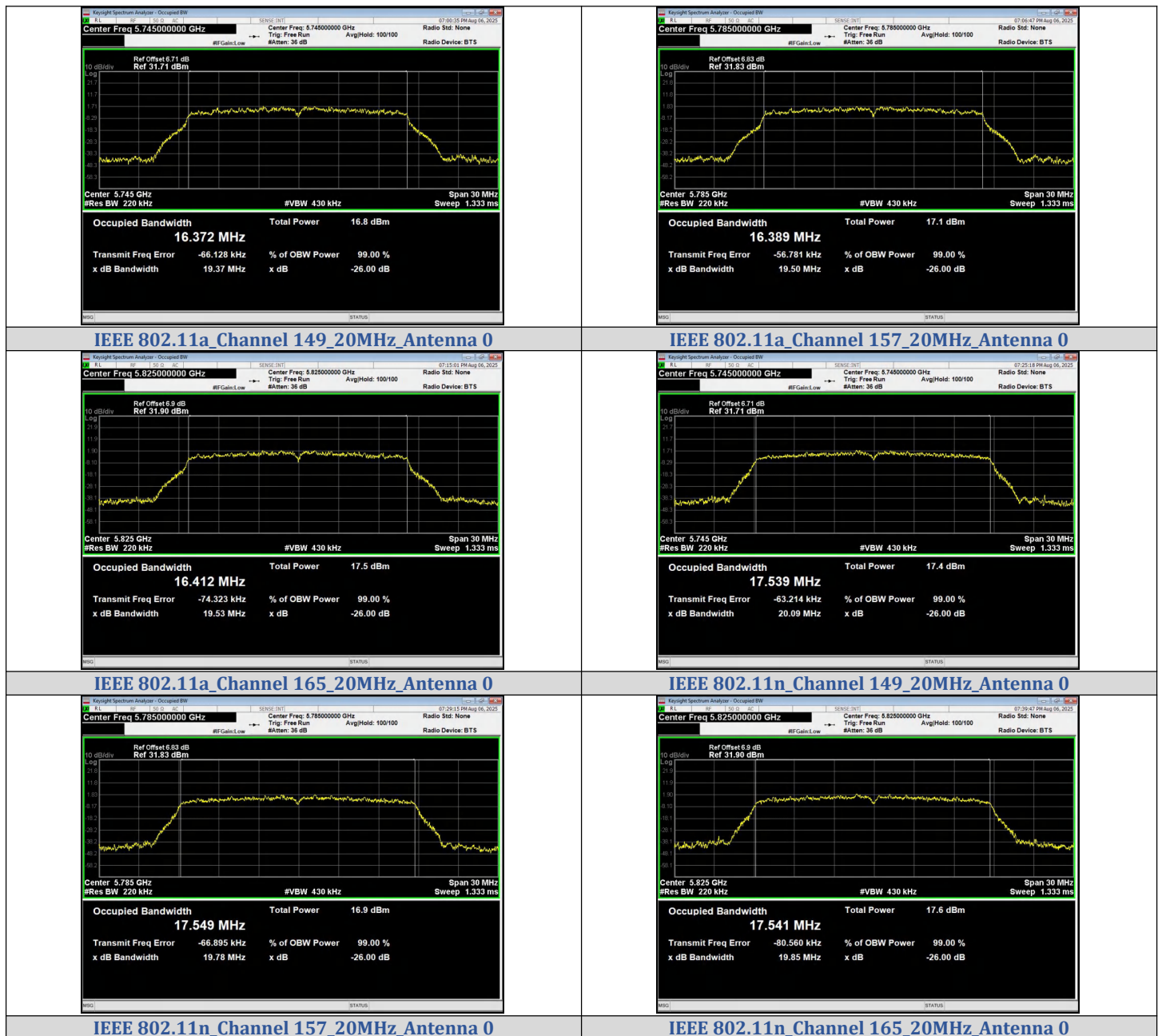
IEEE 802.11n_Channel 151_40MHz_Antenna 0

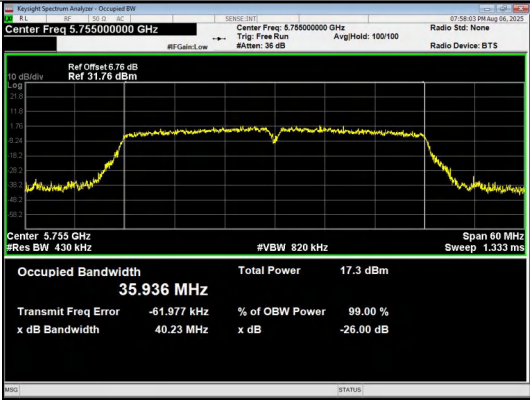


IEEE 802.11n_Channel 159_40MHz_Antenna 0

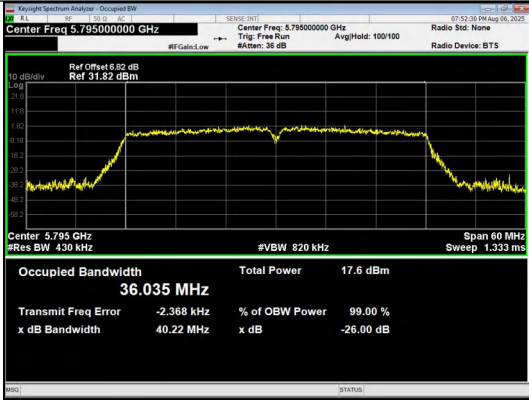
26dB Bandwidth**Test Result**

Mode	Channel	Ant.	Center Frequency (MHz)	26 dB Bandwidth (MHz)
IEEE 802.11a	149	0	5745	19.37
	157		5785	19.50
	165		5825	19.53
IEEE 802.11n_20	149		5745	20.09
	157		5785	19.78
	165		5825	19.85
IEEE 802.11n_40	151		5755	40.23
	159		5795	40.22

Test Graphs



IEEE 802.11n_Channel 151_40MHz_Antenna 0



IEEE 802.11n_Channel 159_40MHz_Antenna 0

Report No.: RKEYS250801096

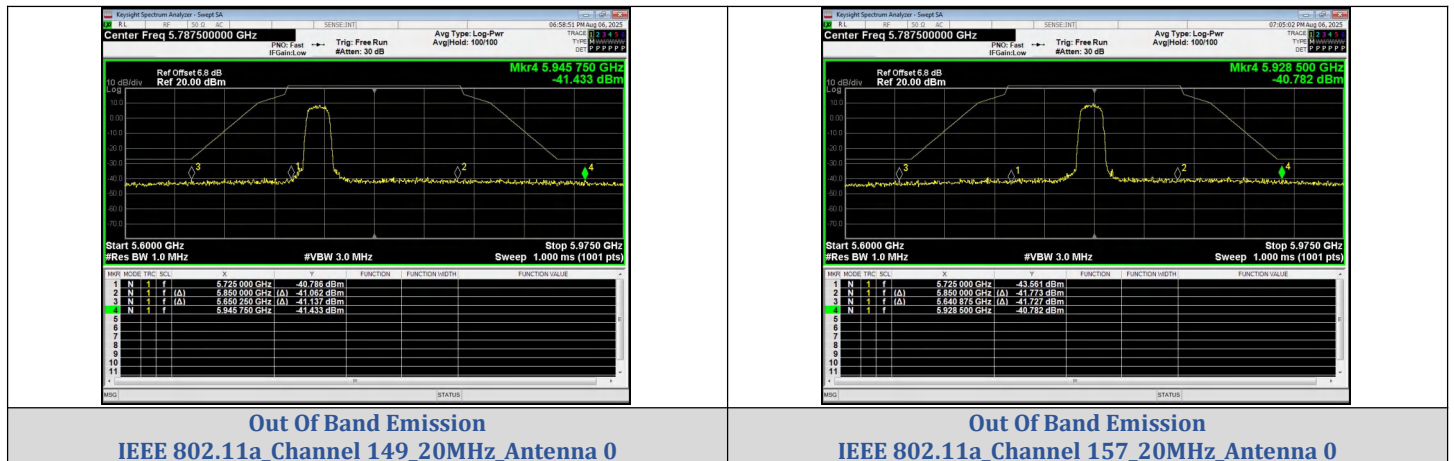
Conducted Out Of Band Emission

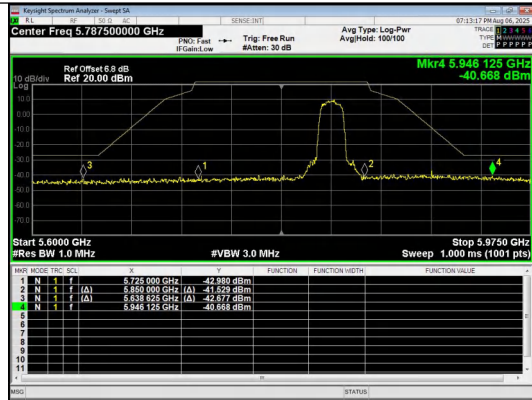
Test Result

FCC ID:2AW5W-C2

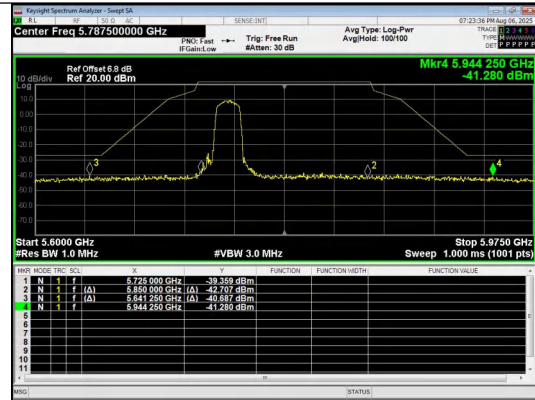
Mode	Channel	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
IEEE 802.11a	149	0	5650.25	-41.137	9.815	-14.322	PASS
			5725.00	-40.790	27	-67.790	PASS
			5850.00	-41.060	27	-68.060	PASS
			5945.75	-41.433	-27	-14.433	PASS
	157		5640.88	-41.727	-27	-14.727	PASS
			5725.00	-43.560	27	-70.560	PASS
			5850.00	-41.770	27	-68.770	PASS
			5928.50	-40.782	-27	-13.782	PASS
	165		5638.62	-42.677	-27	-15.677	PASS
			5725.00	-42.980	27	-69.980	PASS
			5850.00	-41.530	27	-68.530	PASS
			5946.12	-40.668	-27	-13.668	PASS
IEEE 802.11n_20	149		5645.78	-39.720	-27	-12.720	PASS
			5725.00	-39.360	27	-66.360	PASS
			5850.00	-42.710	27	-69.710	PASS
			5944.25	-41.280	-27	-14.280	PASS
	157		5648.00	-40.087	-27	-13.087	PASS
			5725.00	-42.660	27	-69.660	PASS
			5850.00	-41.470	27	-68.470	PASS
			5938.25	-40.907	-27	-13.907	PASS
	165		5638.25	-40.320	-27	-13.320	PASS
			5725.00	-42.070	27	-69.070	PASS
			5850.00	-39.990	27	-66.990	PASS
			5936.75	-39.748	-27	-12.748	PASS
IEEE 802.11n_40	151		5631.50	-40.816	-27	-13.816	PASS
			5725.00	-34.850	27	-61.850	PASS
			5850.00	-41.880	27	-68.880	PASS
			5941.25	-40.446	-27	-13.446	PASS
	159		5646.88	-41.328	-27	-14.328	PASS
			5725.00	-42.120	27	-69.120	PASS
			5850.00	-42.640	27	-69.640	PASS
			5934.88	-39.760	-27	-12.760	PASS

Test Graphs

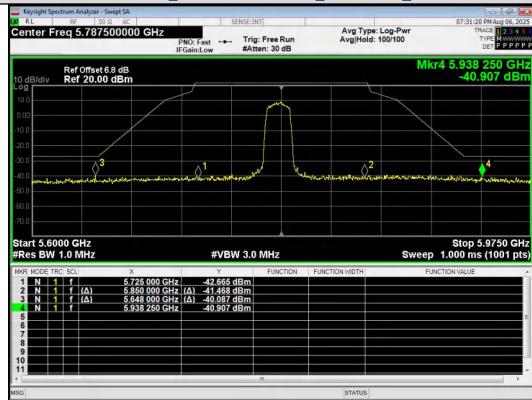




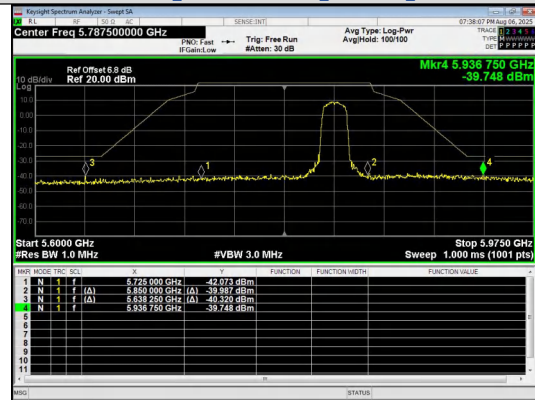
Out Of Band Emission
IEEE 802.11a_Channel 165_20MHz_Antenna 0



Out Of Band Emission
IEEE 802.11n_Channel 149_20MHz_Antenna 0



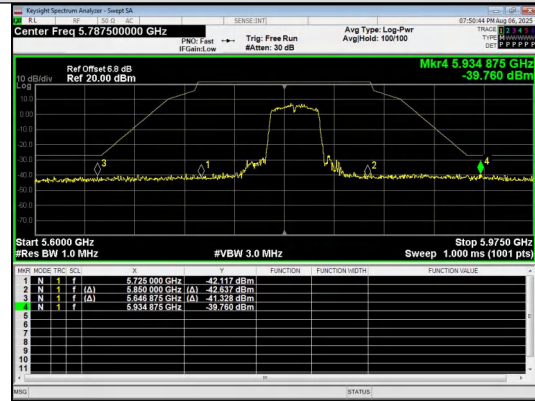
Out Of Band Emission
IEEE 802.11n_Channel 157_20MHz_Antenna 0



Out Of Band Emission
IEEE 802.11n_Channel 165_20MHz_Antenna 0



Out Of Band Emission
IEEE 802.11n_Channel 151_40MHz_Antenna 0



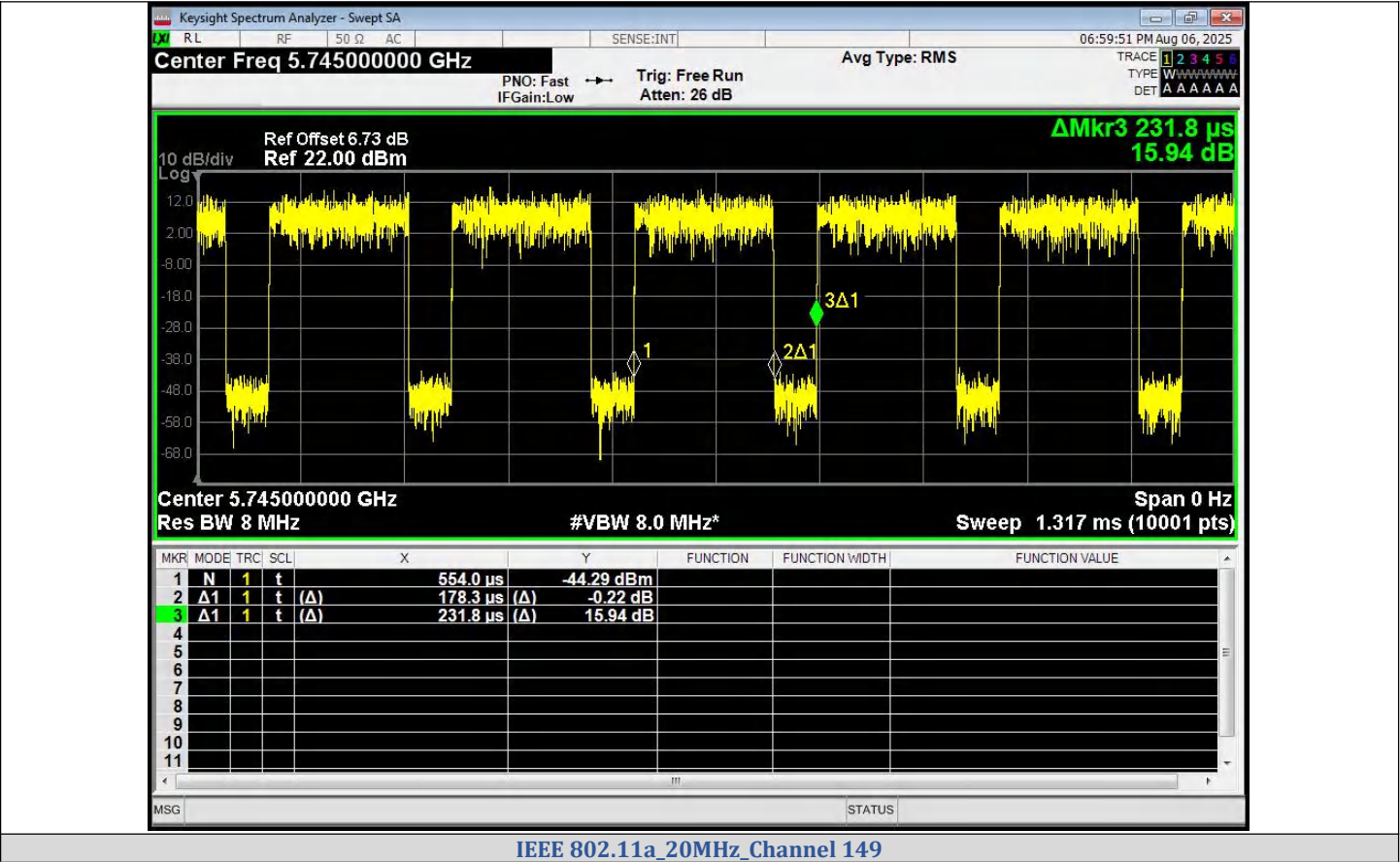
Out Of Band Emission
IEEE 802.11n_Channel 159_40MHz_Antenna 0

Duty Cycle

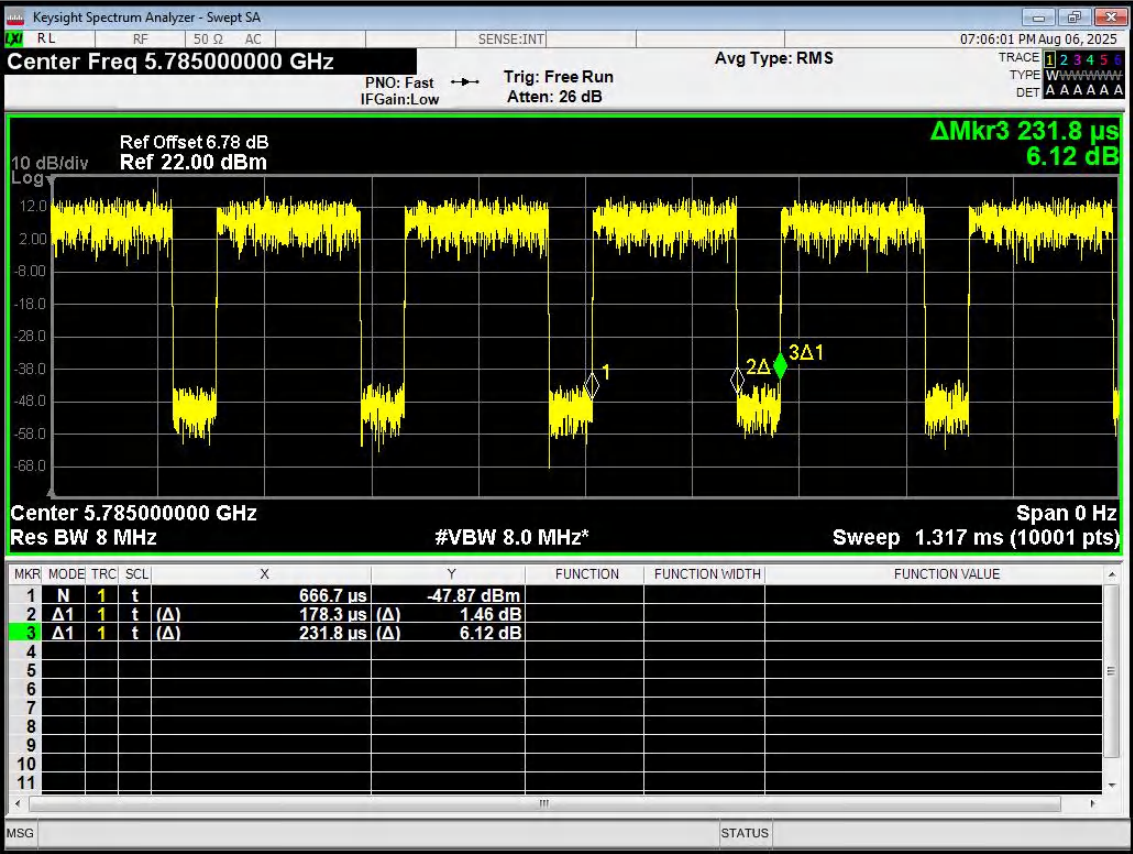
Test Result

Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
IEEE 802.11a	6	149	1	0.1783	0.2318	76.9318	0.7693	1.139
		157		0.17830	0.2318	76.9318	0.7693	1.139
		165		0.1783	0.2319	76.8881	0.7689	1.1413
IEEE 802.11n_20	MCS 0	149		0.6871	0.7400	92.8529	0.9285	0.3222
		157		0.6876	0.7404	92.8571	0.9286	0.3217
		165		0.6871	0.7406	92.7971	0.928	0.3245
IEEE 802.11n_40		151		1.3129	1.3640	96.261	0.9626	0.1655
		159		1.3120	1.3650	96.1172	0.9612	0.1719

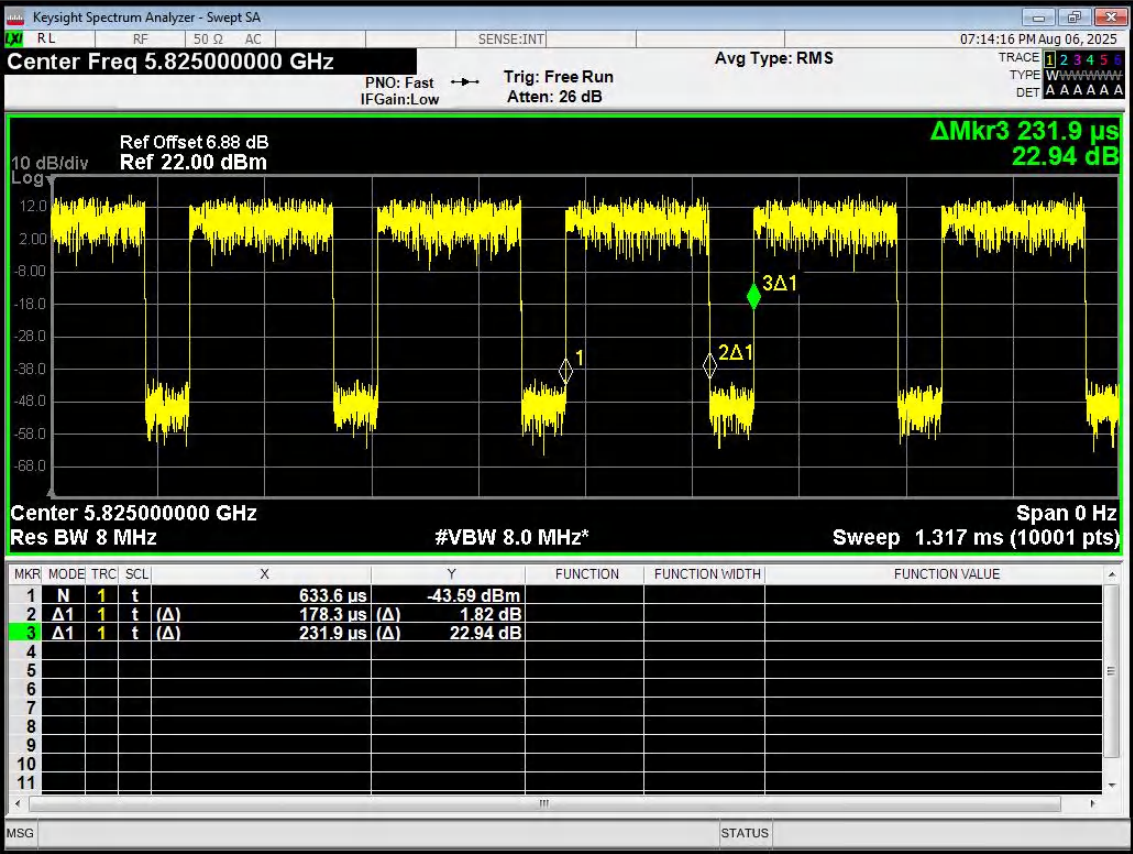
Test Graphs



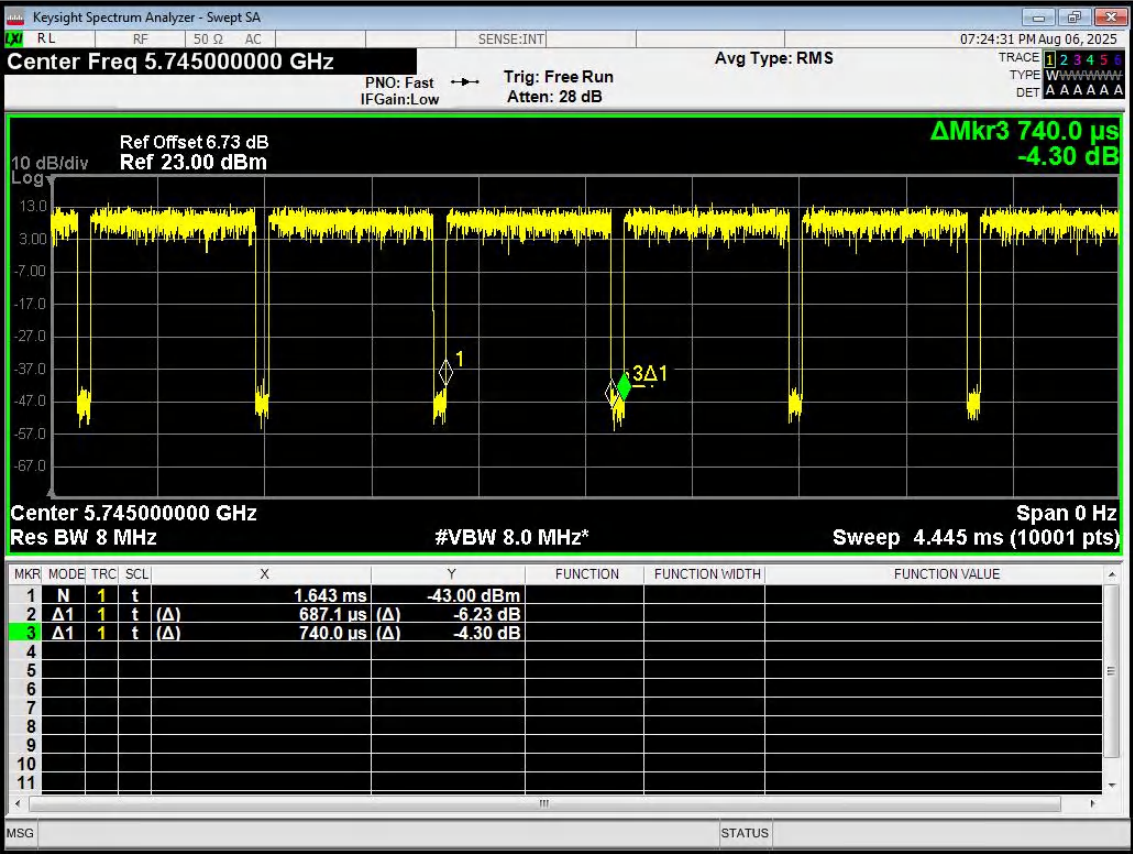
IEEE 802.11a_20MHz_Channel 149



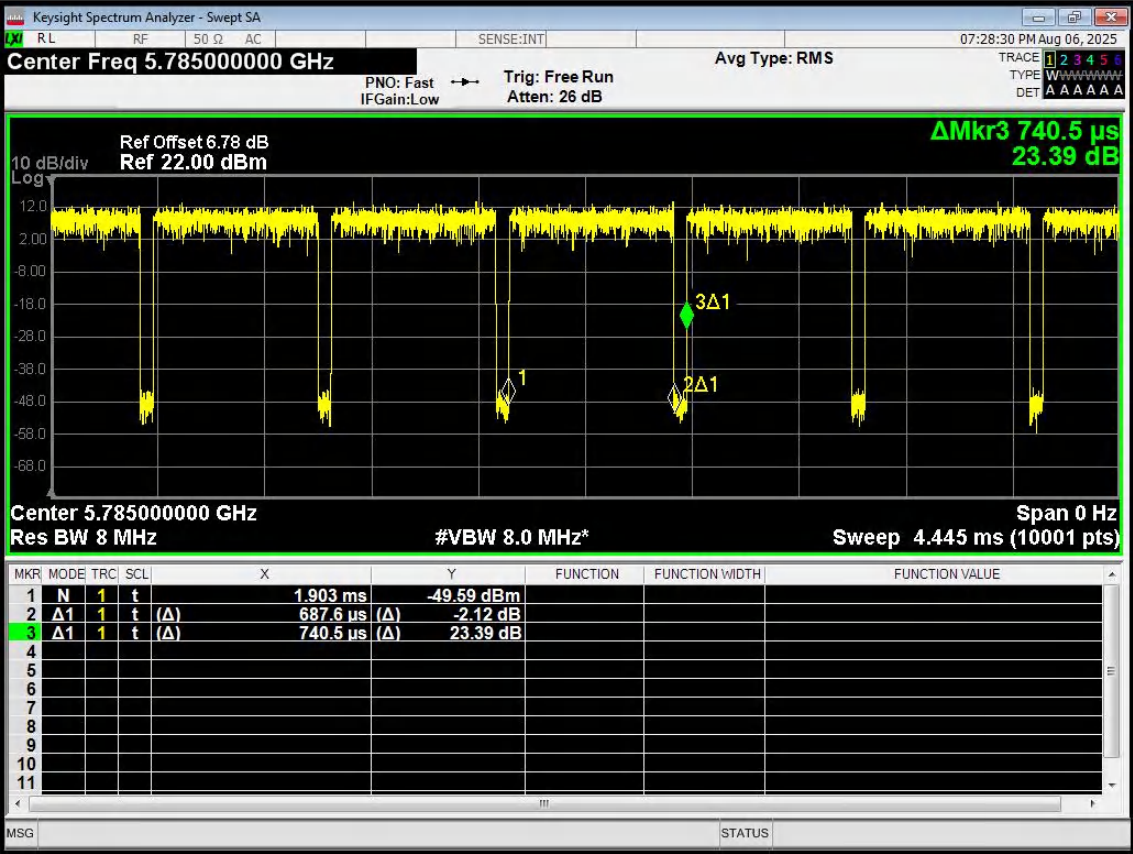
IEEE 802.11a_20MHz_Channel 157



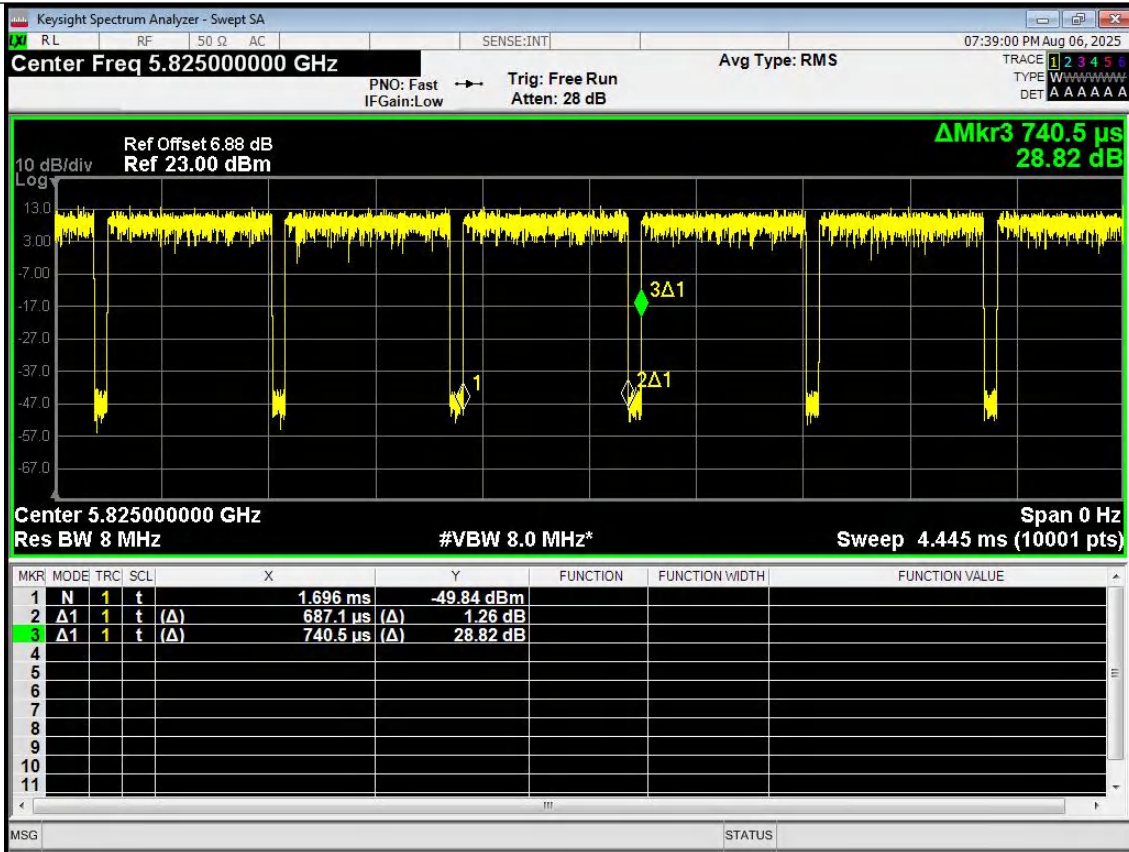
IEEE 802.11a_20MHz_Channel 165



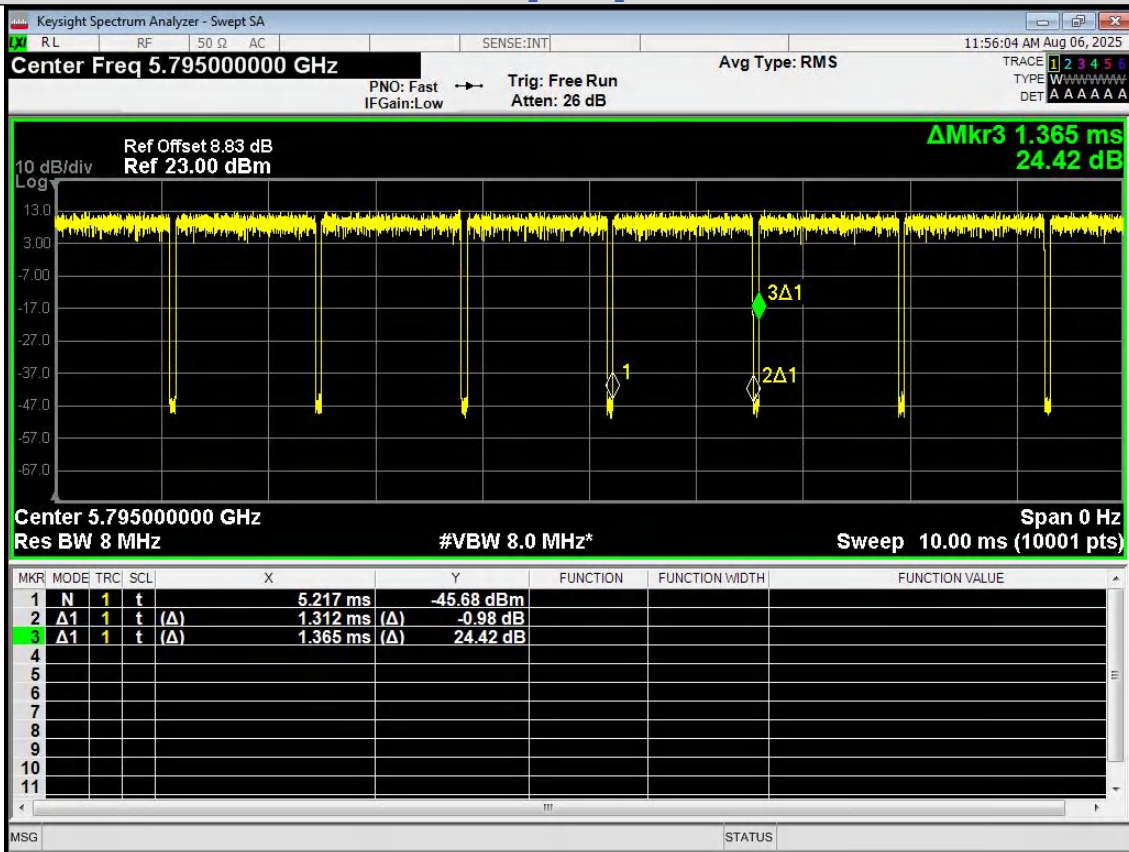
IEEE 802.11n_20MHz_Channel 149



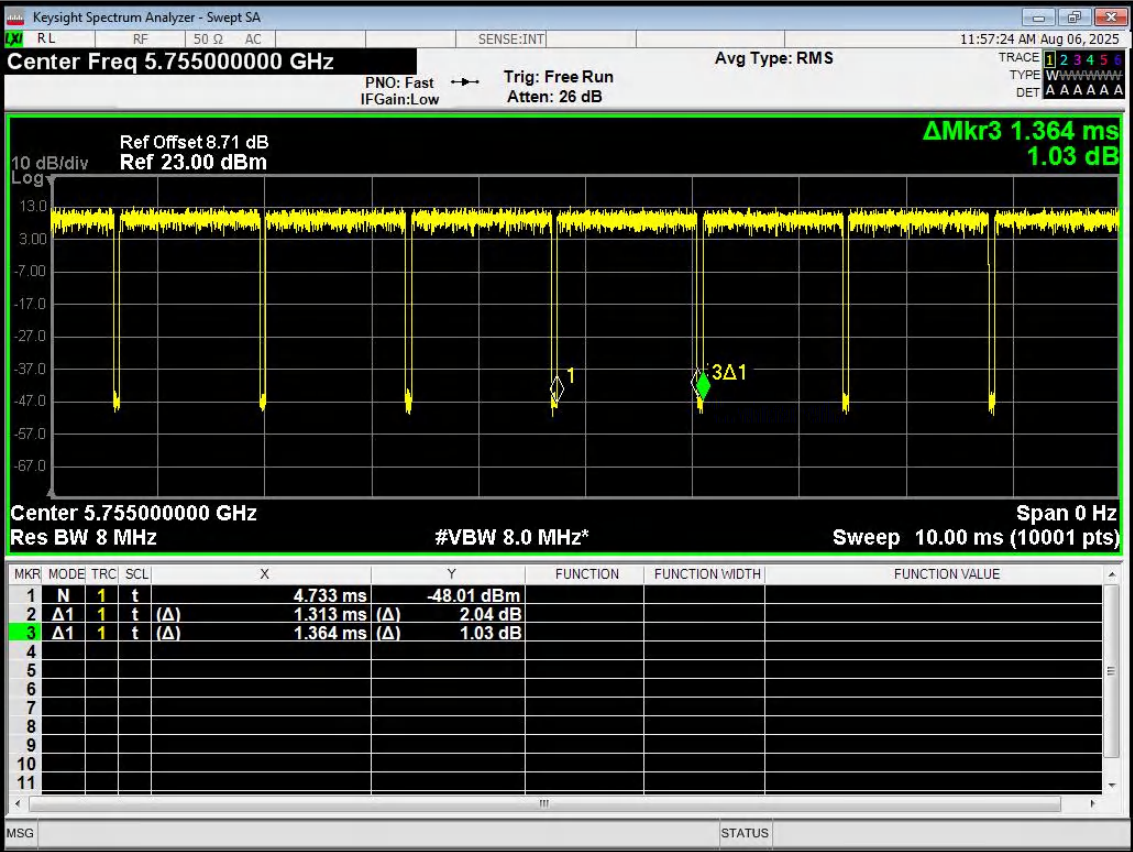
IEEE 802.11n_20MHz_Channel 157



IEEE 802.11n_20MHz_Channel 165



IEEE 802.11n_40MHz_Channel 151



Test Result

Mode	Channel	Ant. 0 Meas PSD (dBm/MHz or dBm/0.5MHz)	Limit (dBm/MHz or dBm/0.5MHz)	Result
IEEE 802.11a	149	-2.920	30	PASS
	157	-2.310		PASS
	165	-1.940		PASS
IEEE 802.11n_20	149	-1.460		PASS
	157	-2.130		PASS
	165	-1.070		PASS
IEEE 802.11n_40	151	-4.730		PASS
	159	-4.330		PASS

Note: offset(dB) = cable loss(dB) + attenuator factor(dB) + Duty Cycle Factor(dB) + RB Factor(dB)

Test Graphs

