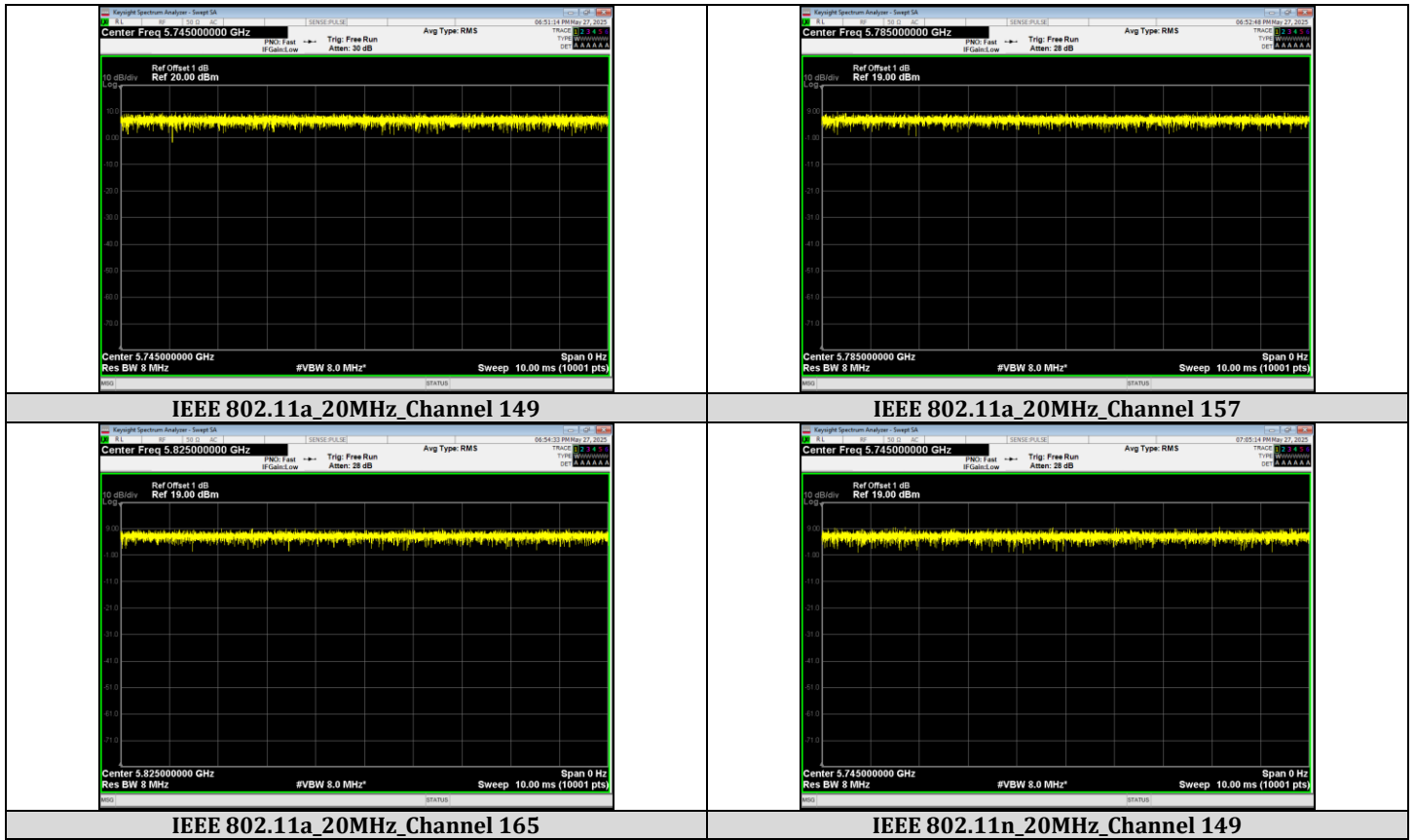
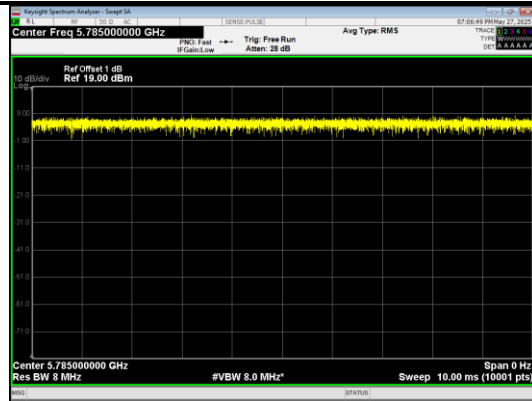


Duty Cycle Test Result

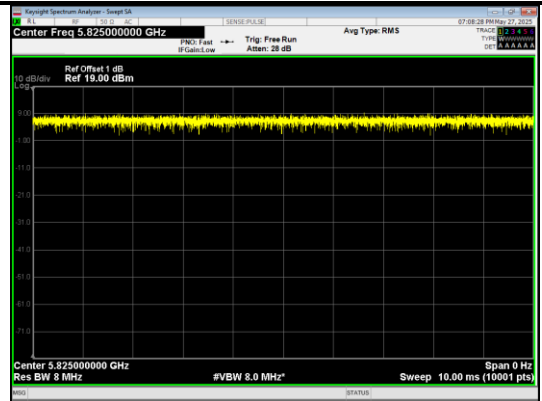
Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
IEEE 802.11a	6	149	0	10.000	10.000	100	1	0.0	0.1000
		157		10.000	10.000	100	1	0.0	0.1000
		165		10.000	10.000	100	1	0.0	0.1000
IEEE 802.11n_20	149	10.000		10.000	100	1	0.0	0.1000	
	157	10.000		10.000	100	1	0.0	0.1000	
	165	10.000		10.000	100	1	0.0	0.1000	
IEEE 802.11n_40	151	10.000		10.000	100	1	0.0	0.1000	
	159	10.000		10.000	100	1	0.0	0.1000	
IEEE 802.11ac_20	MCS 0	149		10.000	10.000	100	1	0.0	0.1000
		157		10.000	10.000	100	1	0.0	0.1000
		165		10.000	10.000	100	1	0.0	0.1000
IEEE 802.11ac_40		151		10.000	10.000	100	1	0.0	0.1000
		159		10.000	10.000	100	1	0.0	0.1000
IEEE 802.11ac_80		155		10.000	10.000	100	1	0.0	0.1000

Test Graphs

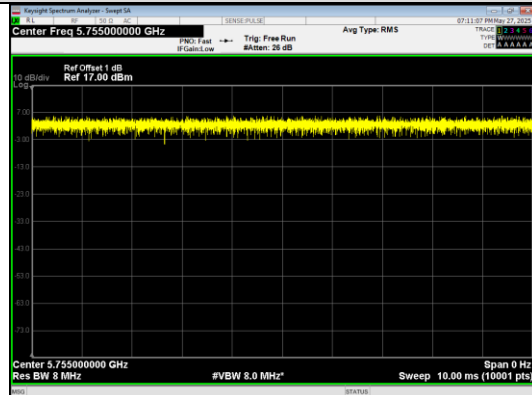




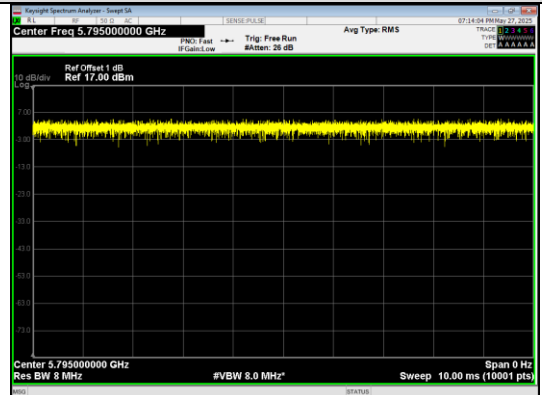
IEEE 802.11n_20MHz_Channel 157



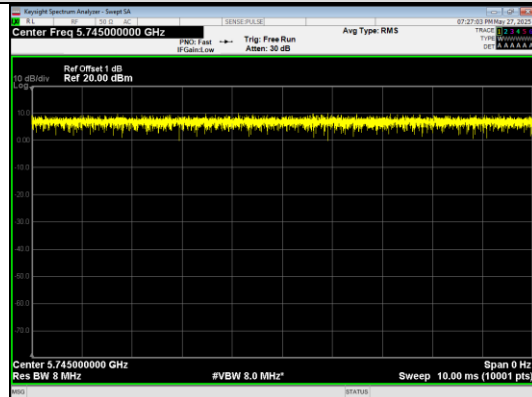
IEEE 802.11n_20MHz_Channel 165



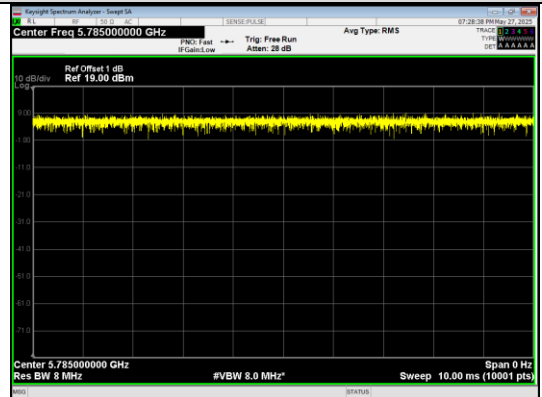
IEEE 802.11n_40MHz_Channel 151



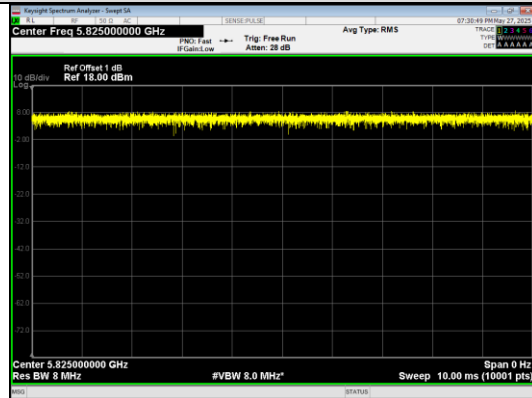
IEEE 802.11n_40MHz_Channel 159



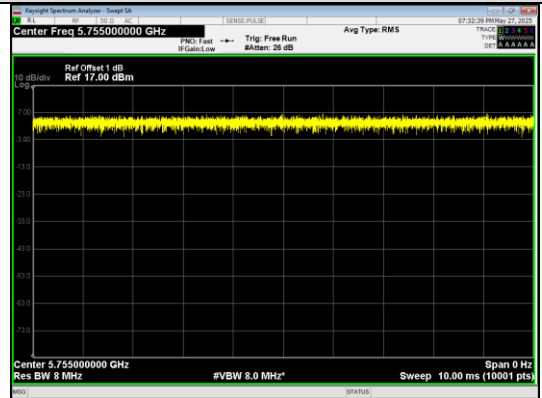
IEEE 802.11ac_20MHz_Channel 149



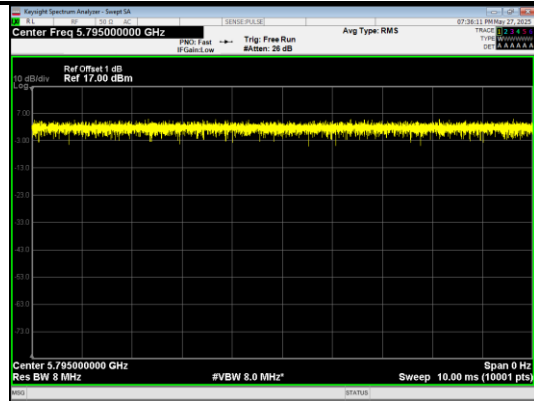
IEEE 802.11ac_20MHz_Channel 157



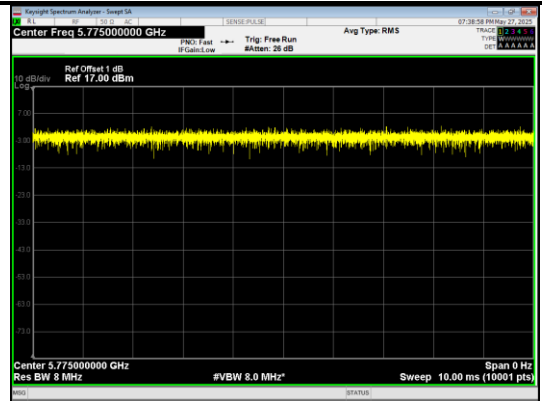
IEEE 802.11ac_20MHz_Channel 165



IEEE 802.11ac_40MHz_Channel 151



IEEE 802.11ac_40MHz_Channel 159



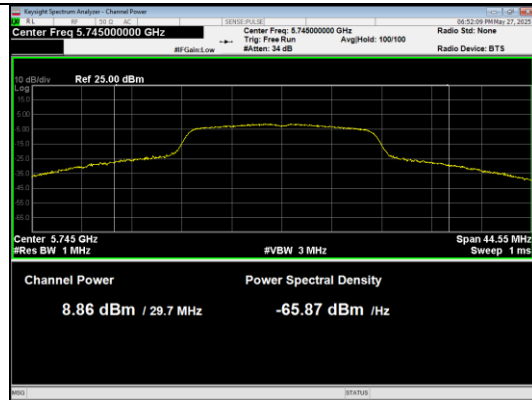
IEEE 802.11ac_80MHz_Channel 155



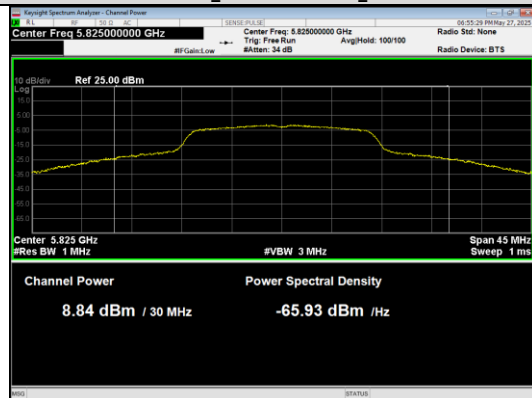
Conducted Output Power

Conducted output power

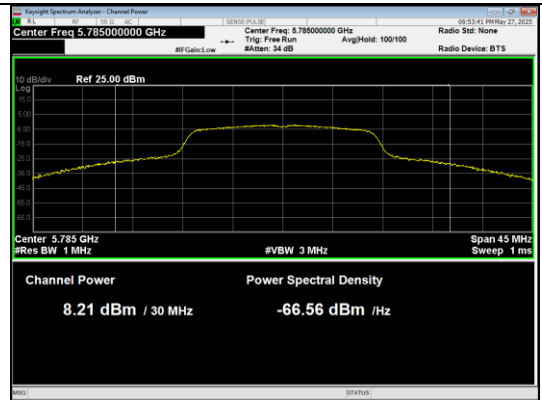
Mode	Channel	Ant. 0 (dBm)	Corr'd Value Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11a	149	8.86	8.86	≤30	PASS
	157	8.21	8.21	≤30	PASS
	165	8.84	8.84	≤30	PASS
IEEE 802.11n_20	149	8.82	8.82	≤30	PASS
	157	7.96	7.96	≤30	PASS
	165	9.28	9.28	≤30	PASS
IEEE 802.11n_40	151	7.92	7.92	≤30	PASS
	159	7.18	7.18	≤30	PASS
IEEE 802.11ac_20	149	9.18	9.18	≤30	PASS
	157	8.59	8.59	≤30	PASS
	165	8.56	8.56	≤30	PASS
IEEE 802.11ac_40	151	8.80	8.8	≤30	PASS
	159	7.31	7.31	≤30	PASS
IEEE 802.11ac_80	155	7.02	7.02	≤30	PASS



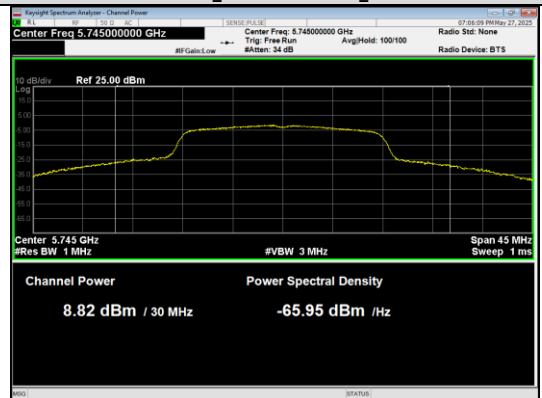
Conducted AVG output power
IEEE 802.11a_Channel 149_Antenna 0



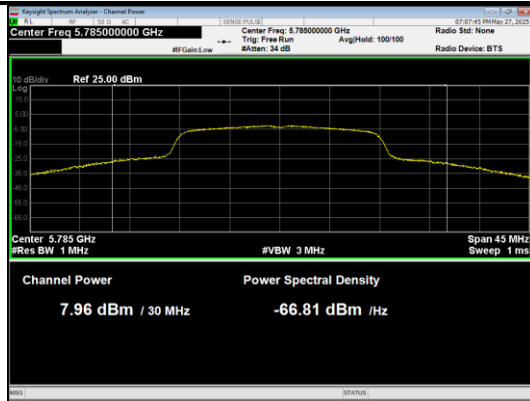
Conducted AVG output power
IEEE 802.11a_Channel 165_Antenna 0



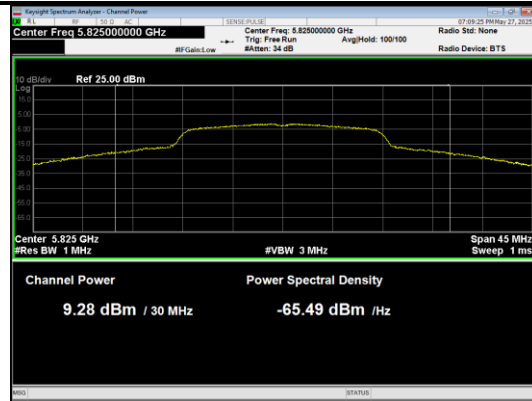
Conducted AVG output power
IEEE 802.11a_Channel 157_Antenna 0



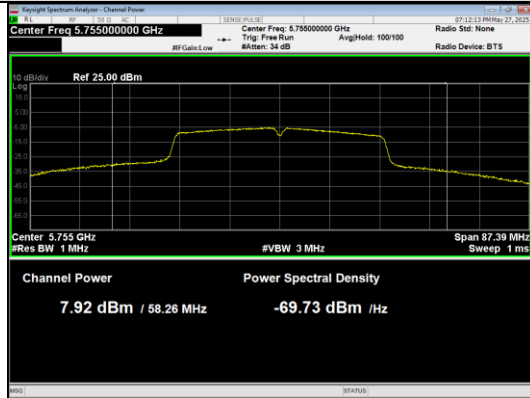
Conducted AVG output power
IEEE 802.11n_20_Channel 149_Antenna 0



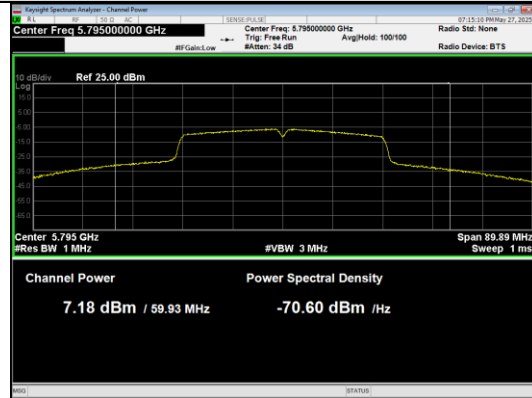
Conducted AVG output power
IEEE 802.11n_20_Channel 157_Antenna 0



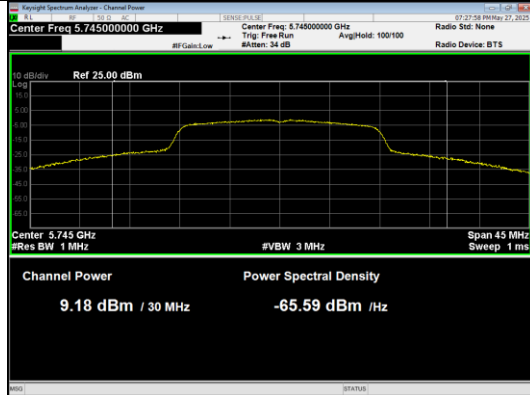
Conducted AVG output power
IEEE 802.11n_20_Channel 165_Antenna 0



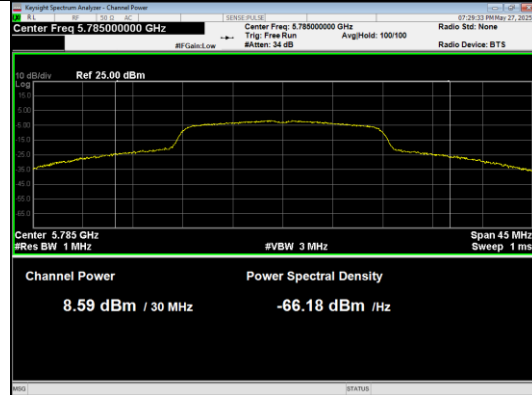
Conducted AVG output power
IEEE 802.11n_40_Channel 151_Antenna 0



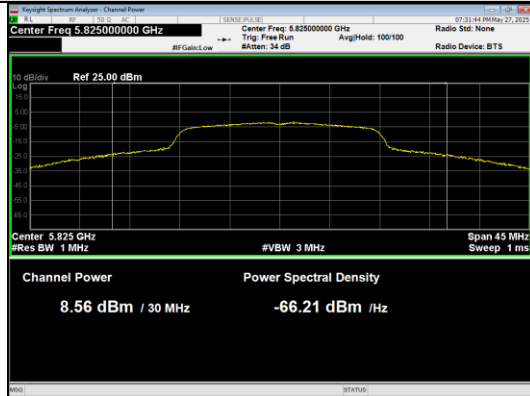
Conducted AVG output power
IEEE 802.11n_40_Channel 159_Antenna 0



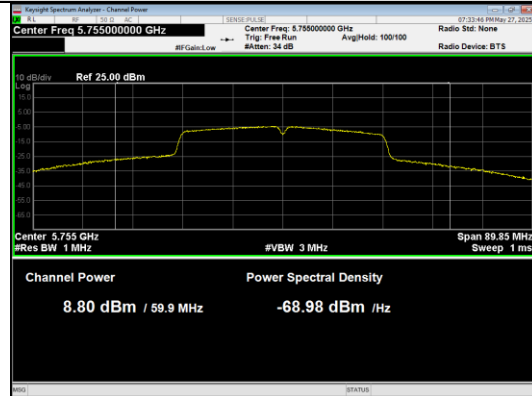
Conducted AVG output power
IEEE 802.11ac_20_Channel 149_Antenna 0



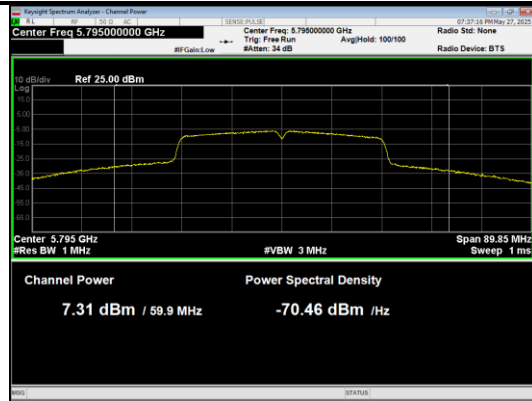
Conducted AVG output power
IEEE 802.11ac_20_Channel 157_Antenna 0



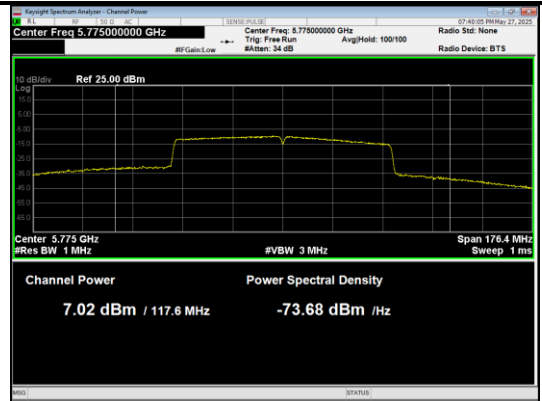
Conducted AVG output power
IEEE 802.11ac_20_Channel 165_Antenna 0



Conducted AVG output power
IEEE 802.11ac_40_Channel 151_Antenna 0



Conducted AVG output power
IEEE 802.11ac_40_Channel 159_Antenna 0



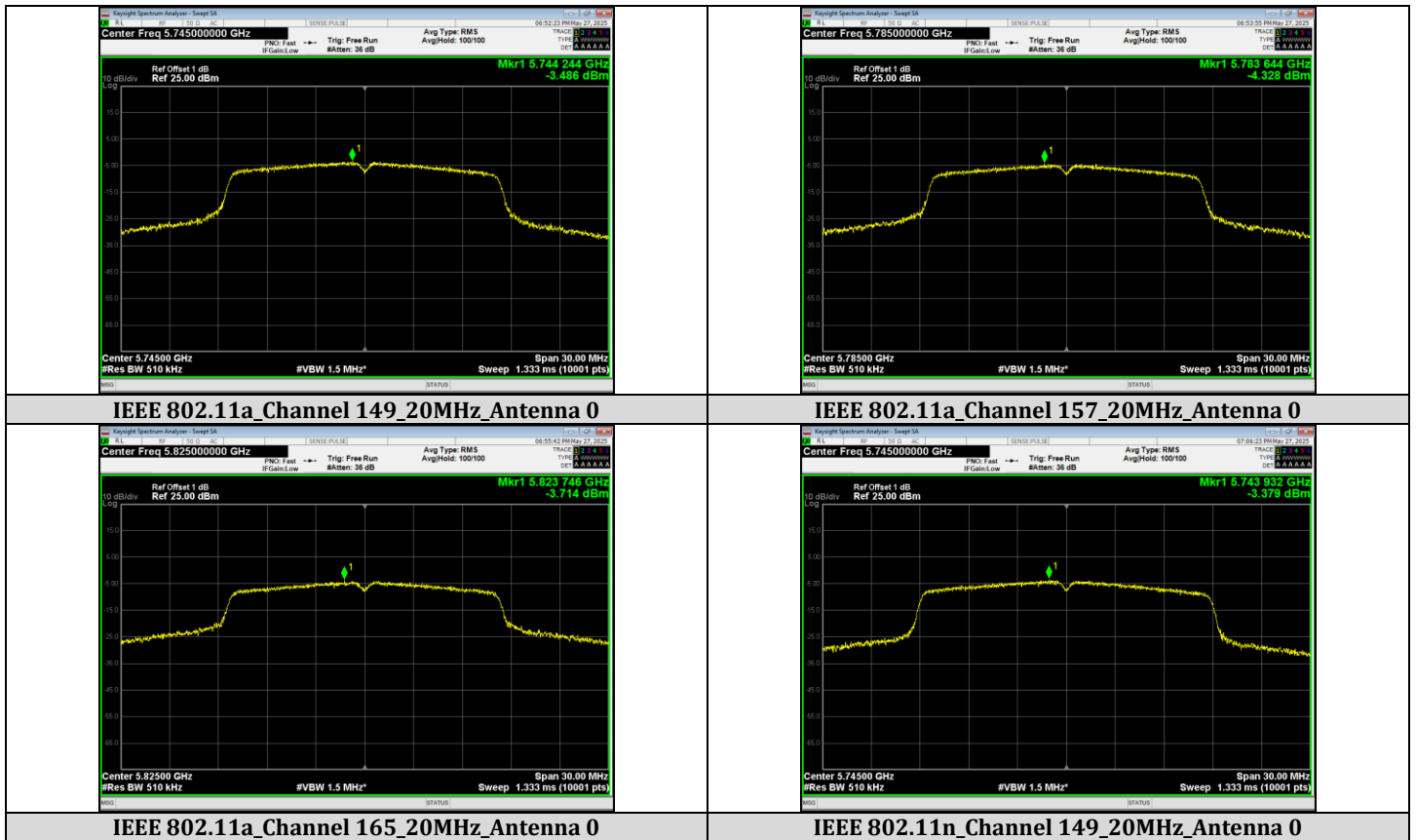
Conducted AVG output power
IEEE 802.11ac_80_Channel 155_Antenna 0

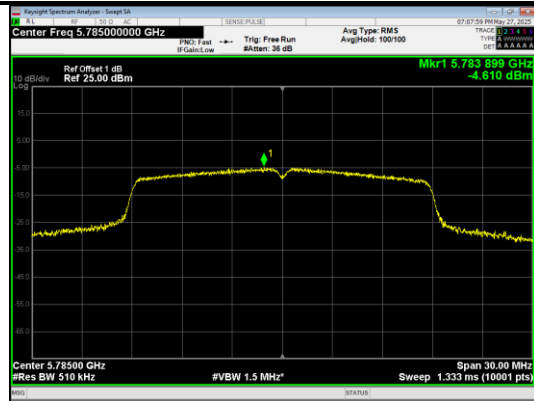
Power Spectral Density

Test Result

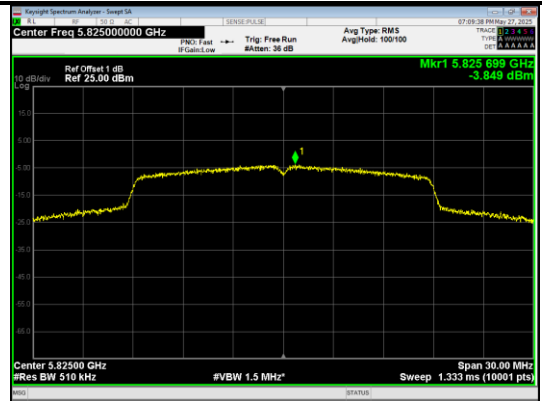
Mode	Channel	Ant. 0 Meas PSD (dBm/MHz or dBm/0.5MHz)	Ant. 0 Corr'd PSD (dBm/MHz or dBm/0.5MHz)	Limit (dBm/MHz or dBm/0.5MHz)	Result
IEEE 802.11a	149	-3.486	-3.486	30	PASS
	157	-4.328	-4.328		PASS
	165	-3.714	-3.714		PASS
IEEE 802.11n_20	149	-3.379	-3.379		PASS
	157	-4.610	-4.61		PASS
	165	-3.849	-3.849		PASS
IEEE 802.11n_40	151	-7.443	-7.443		PASS
	159	-8.557	-8.557		PASS
IEEE 802.11ac_20	149	-3.290	-3.29		PASS
	157	-4.275	-4.275		PASS
	165	-4.601	-4.601		PASS
IEEE 802.11ac_40	151	-6.484	-6.484		PASS
	159	-8.514	-8.514		PASS
IEEE 802.11ac_80	155	-11.717	-11.717		PASS

Test Graphs

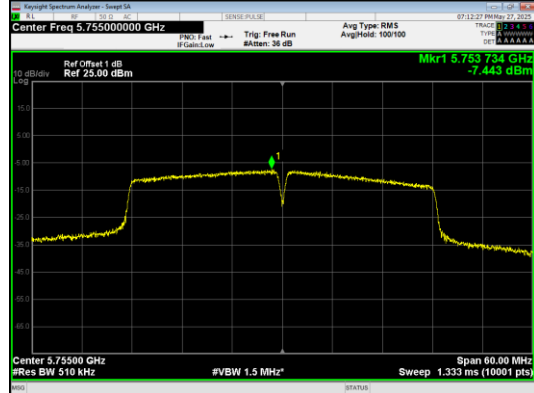




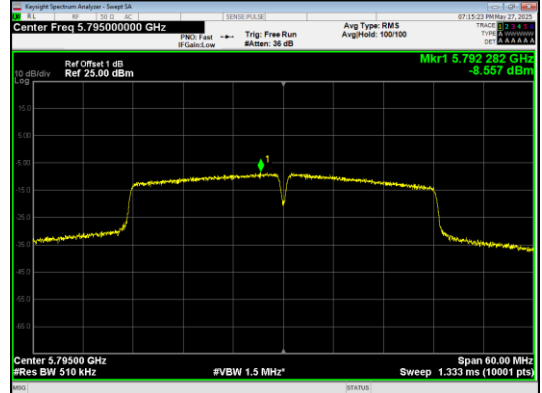
IEEE 802.11n_Channel 157_20MHz_Antenna 0



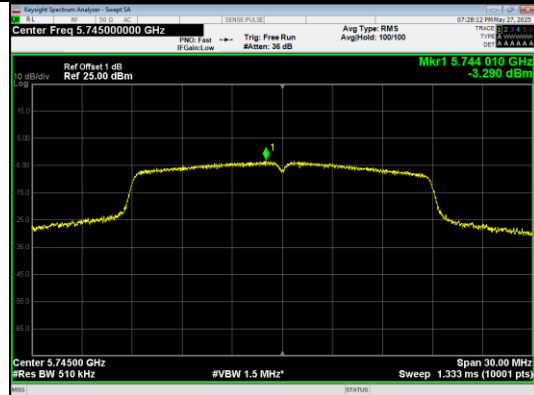
IEEE 802.11n_Channel 165_20MHz_Antenna 0



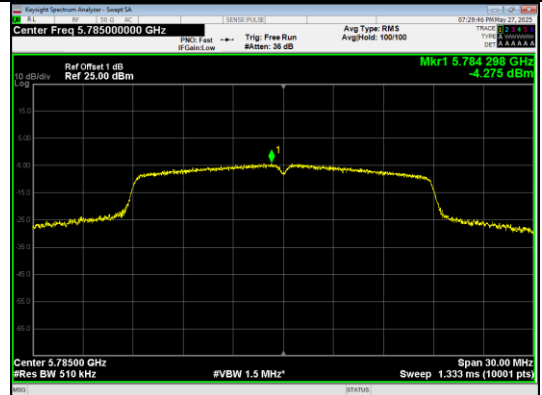
IEEE 802.11n_Channel 151_40MHz_Antenna 0



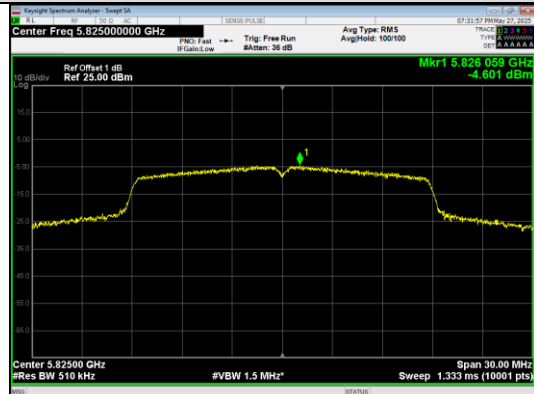
IEEE 802.11n_Channel 159_40MHz_Antenna 0



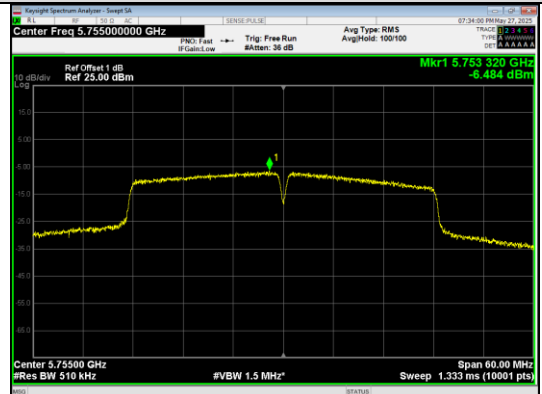
IEEE 802.11ac_Channel 149_20MHz_Antenna 0



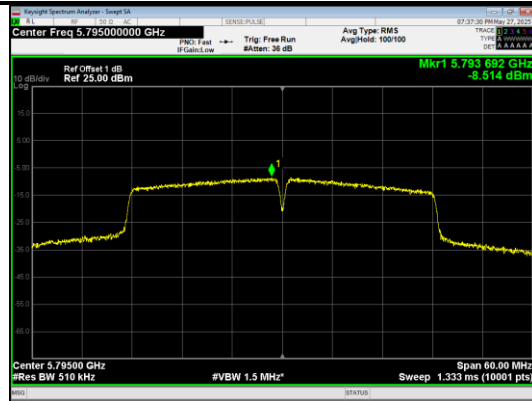
IEEE 802.11ac_Channel 157_20MHz_Antenna 0



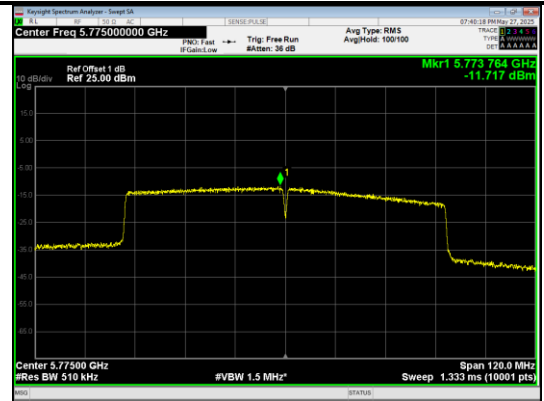
IEEE 802.11ac_Channel 165_20MHz_Antenna 0



IEEE 802.11ac_Channel 151_40MHz_Antenna 0



IEEE 802.11ac_Channel 159_40MHz_Antenna 0



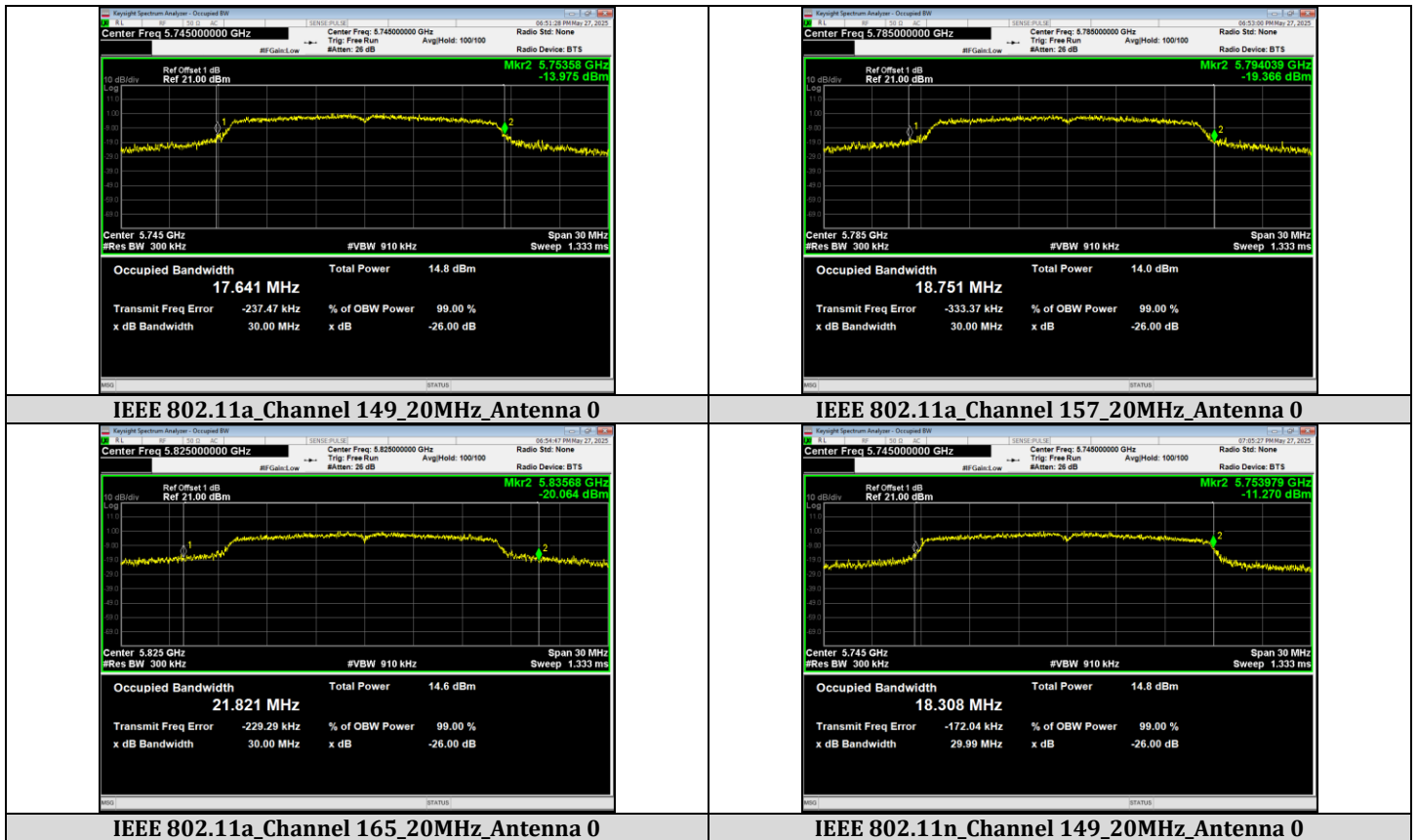
IEEE 802.11ac_Channel 155_80MHz_Antenna 0

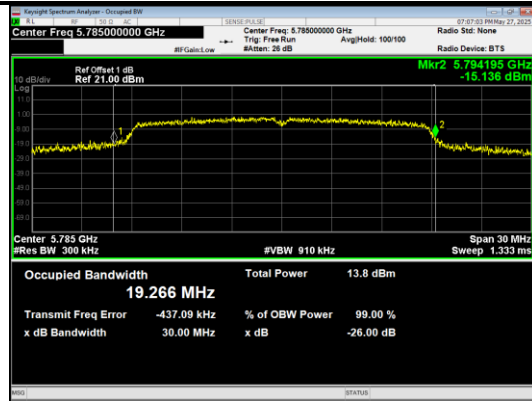
99% Bandwidth

Test Result

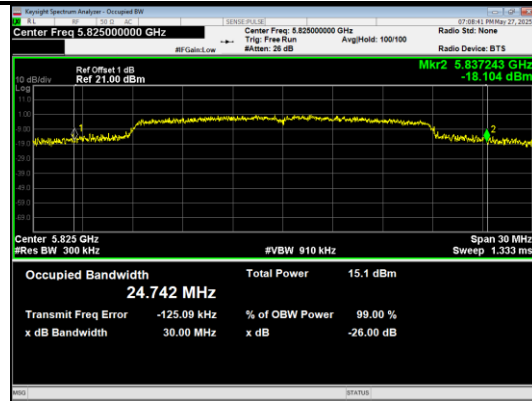
Mode	Channel	Ant.	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11a	149	0	5745	17.641
	157		5785	18.751
	165		5825	21.821
IEEE 802.11n_20	149		5745	18.308
	157		5785	19.266
	165		5825	24.742
IEEE 802.11n_40	151		5755	36.611
	159		5795	36.720
IEEE 802.11ac_20	149		5745	18.935
	157		5785	21.107
	165		5825	22.409
IEEE 802.11ac_40	151		5755	37.896
	159		5795	36.858
IEEE 802.11ac_80	155		5775	76.517

Test Graphs

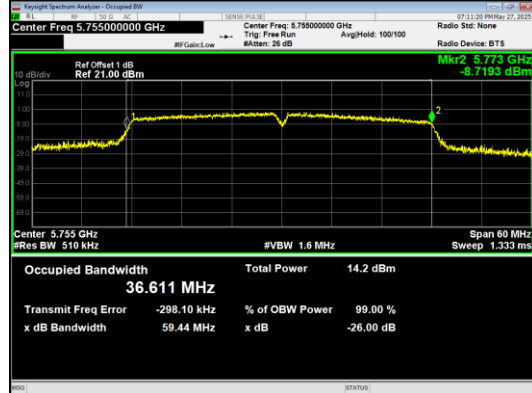




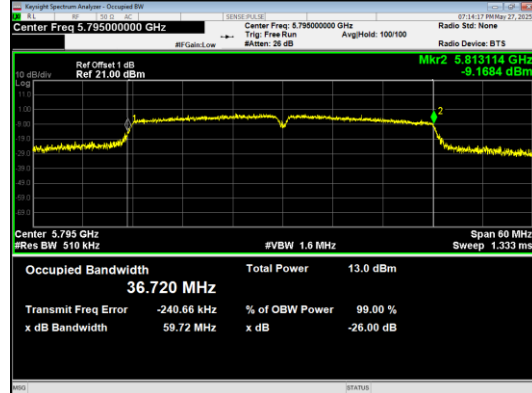
IEEE 802.11n_Channel 157_20MHz_Antenna 0



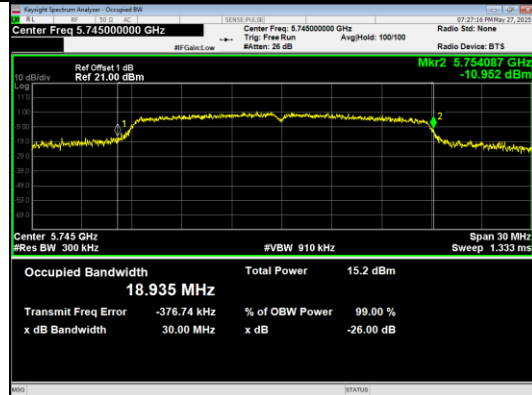
IEEE 802.11n_Channel 165_20MHz_Antenna 0



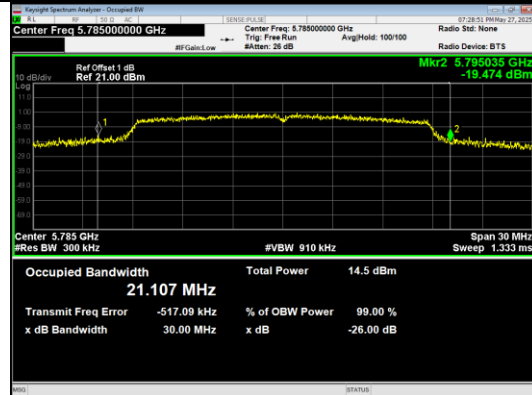
IEEE 802.11n_Channel 151_40MHz_Antenna 0



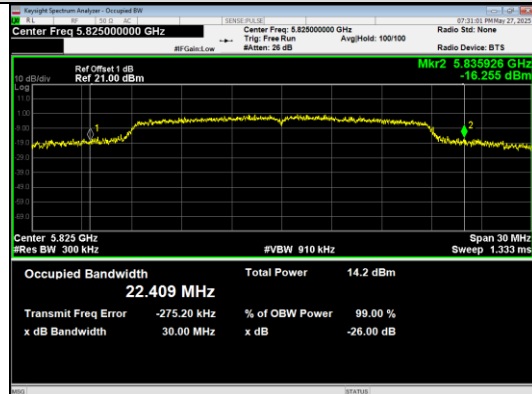
IEEE 802.11n_Channel 159_40MHz_Antenna 0



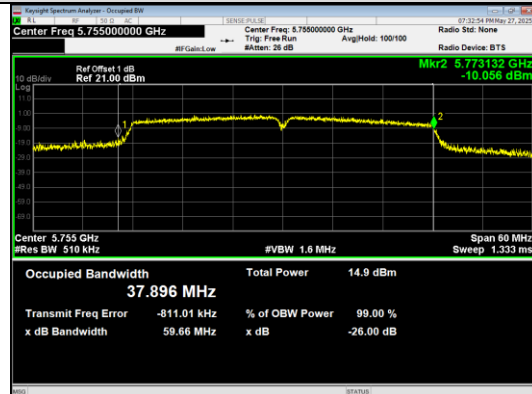
IEEE 802.11ac_Channel 149_20MHz_Antenna 0



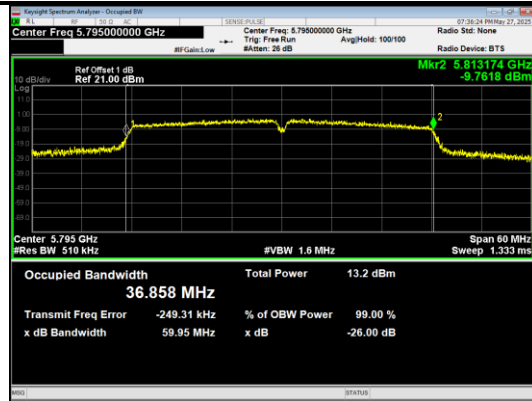
IEEE 802.11ac_Channel 157_20MHz_Antenna 0



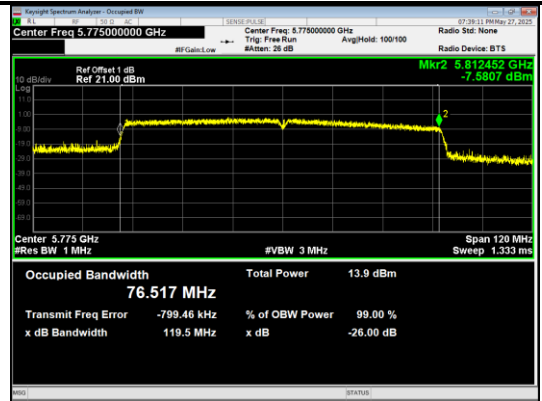
IEEE 802.11ac_Channel 165_20MHz_Antenna 0



IEEE 802.11ac_Channel 151_40MHz_Antenna 0



IEEE 802.11ac_Channel 159_40MHz_Antenna 0



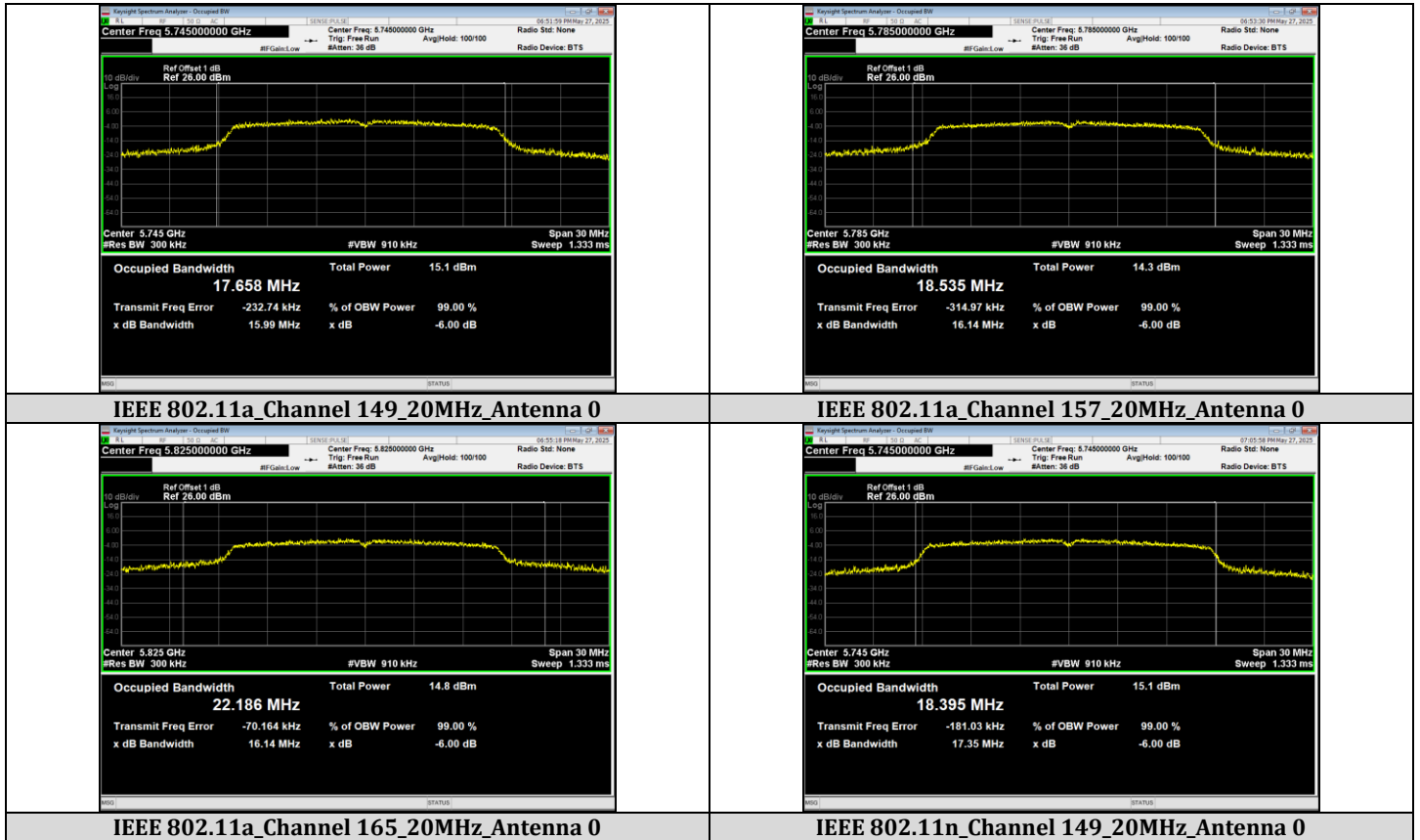
IEEE 802.11ac_Channel 155_80MHz_Antenna 0

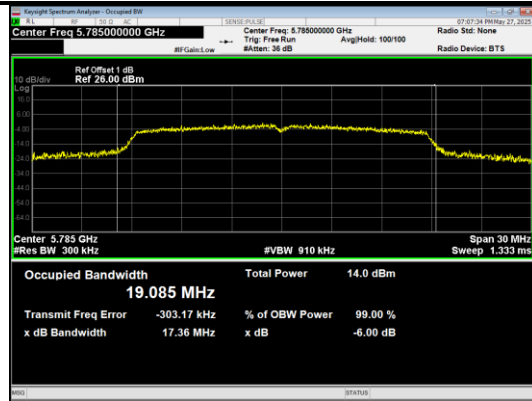
6dB Bandwidth

Test Result

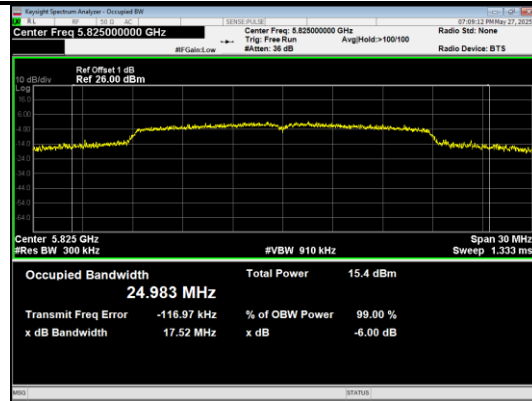
Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11a	149	0	5745	15.99	≥0.5	PASS
	157		5785	16.14		PASS
	165		5825	16.14		PASS
IEEE 802.11n_20	149		5745	17.35		PASS
	157		5785	17.36		PASS
	165		5825	17.52		PASS
IEEE 802.11n_40	151		5755	32.59		PASS
	159		5795	35.44		PASS
IEEE 802.11ac_20	149		5745	16.59		PASS
	157		5785	17.32		PASS
	165		5825	16.98		PASS
IEEE 802.11ac_40	151		5755	35.58		PASS
	159		5795	33.49		PASS
IEEE 802.11ac_80	155		5775	75.15		PASS

Test Graphs

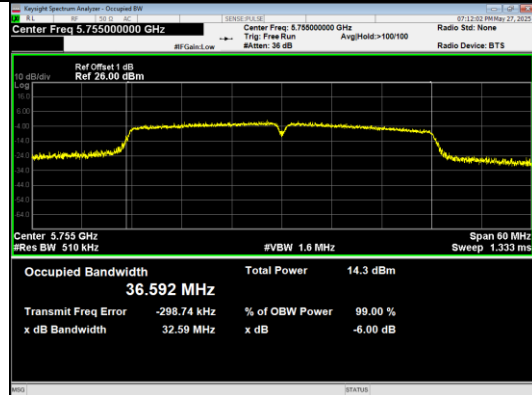




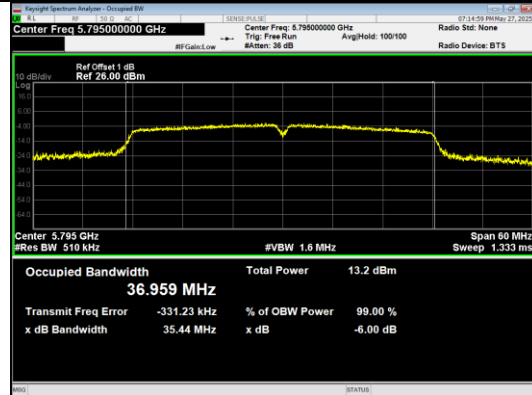
IEEE 802.11n_Channel 157_20MHz_Antenna 0



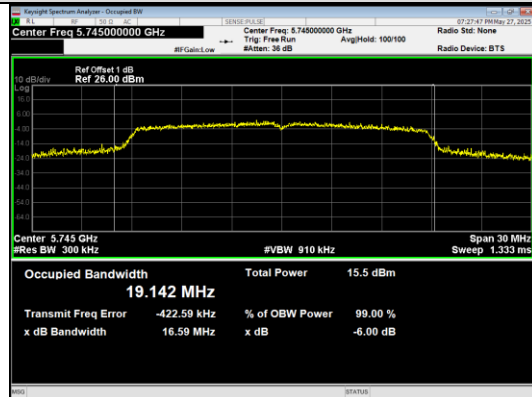
IEEE 802.11n_Channel 165_20MHz_Antenna 0



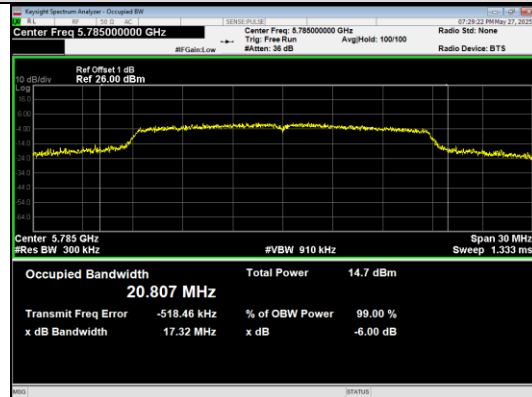
IEEE 802.11n_Channel 151_40MHz_Antenna 0



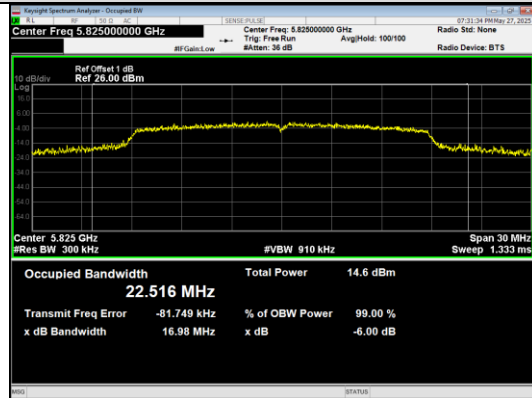
IEEE 802.11n_Channel 159_40MHz_Antenna 0



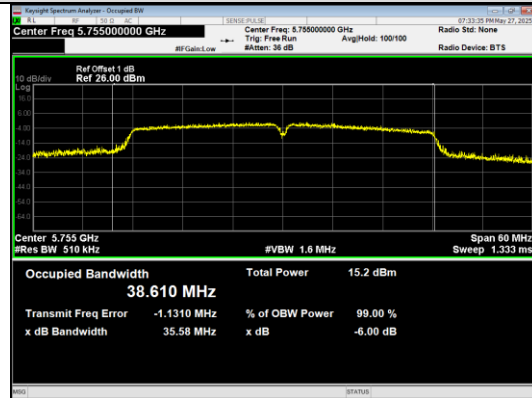
IEEE 802.11ac_Channel 149_20MHz_Antenna 0



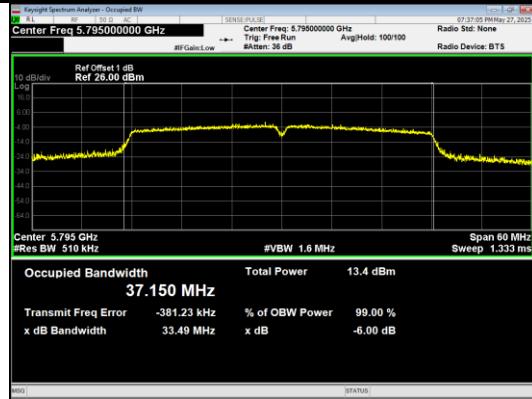
IEEE 802.11ac_Channel 157_20MHz_Antenna 0



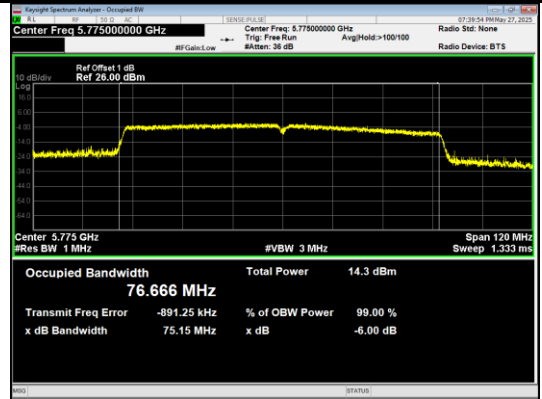
IEEE 802.11ac_Channel 165_20MHz_Antenna 0



IEEE 802.11ac_Channel 151_40MHz_Antenna 0



IEEE 802.11ac_Channel 159_40MHz_Antenna 0



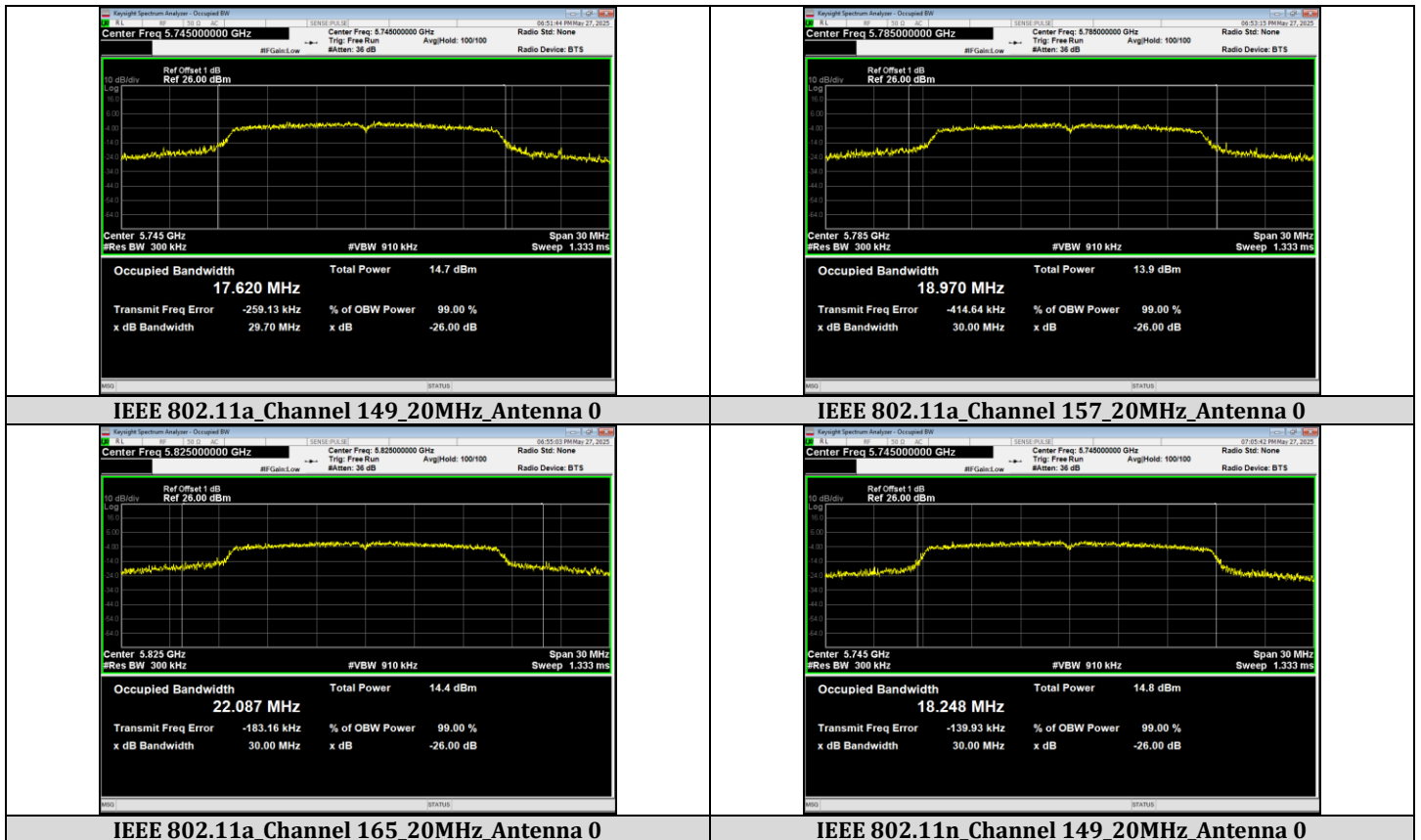
IEEE 802.11ac_Channel 155_80MHz_Antenna 0

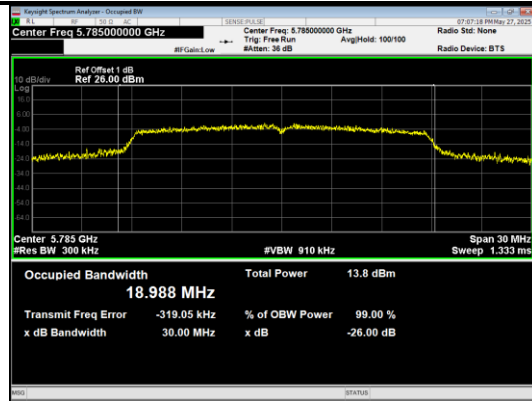
26dB Bandwidth

Test Result

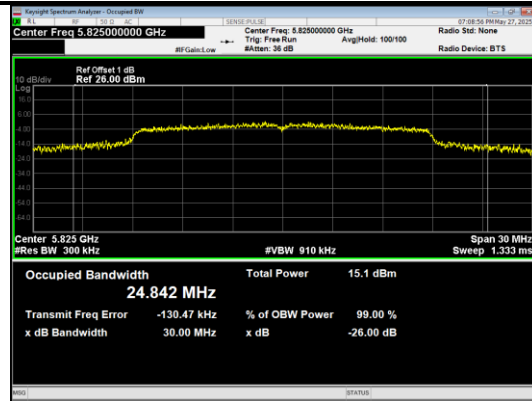
Mode	Channel	Ant.	Center Frequency (MHz)	26 dB Bandwidth (MHz)	RBW/EBW
IEEE 802.11a	149	0	5745	29.70	1.01
	157		5785	30.00	1.0
	165		5825	30.00	1.0
IEEE 802.11n_20	149		5745	30.00	1.0
	157		5785	30.00	1.0
	165		5825	30.00	1.0
IEEE 802.11n_40	151		5755	58.26	1.04
	159		5795	59.93	1.03
IEEE 802.11ac_20	149		5745	30.00	1.0
	157		5785	30.00	1.0
	165		5825	30.00	1.0
IEEE 802.11ac_40	151		5755	59.90	1.03
	159		5795	59.90	1.03
IEEE 802.11ac_80	155		5775	117.63	1.0

Test Graphs

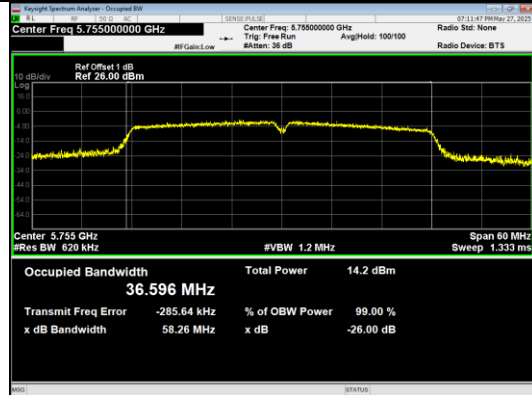




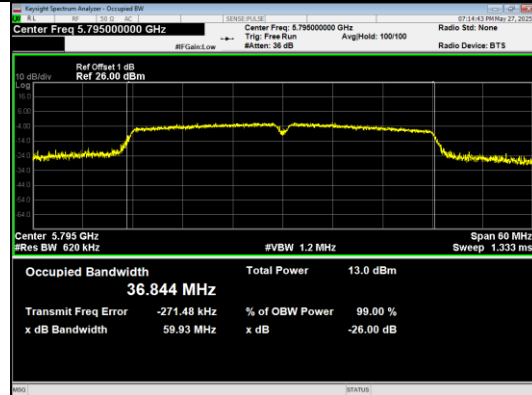
IEEE 802.11n_Channel 157_20MHz_Antenna 0



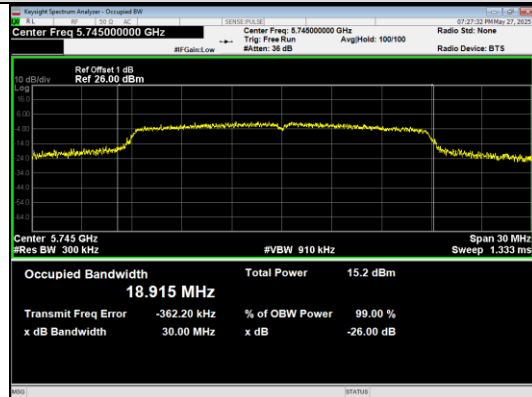
IEEE 802.11n_Channel 165_20MHz_Antenna 0



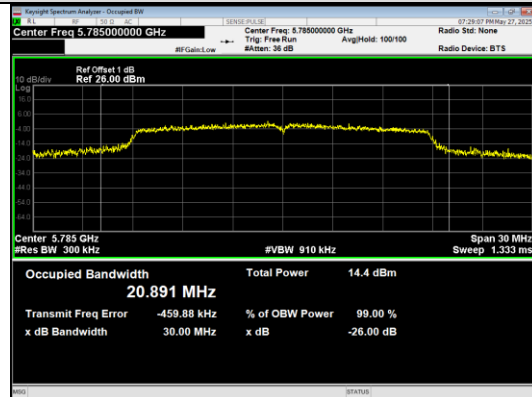
IEEE 802.11n_Channel 151_40MHz_Antenna 0



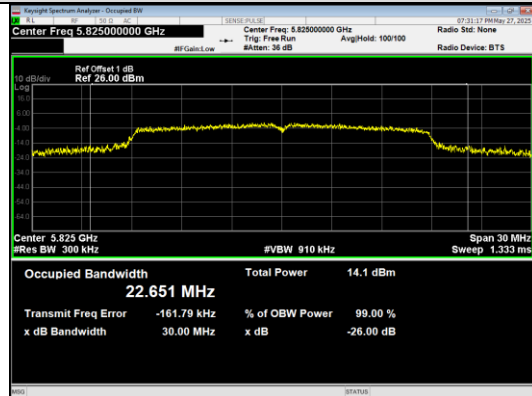
IEEE 802.11n_Channel 159_40MHz_Antenna 0



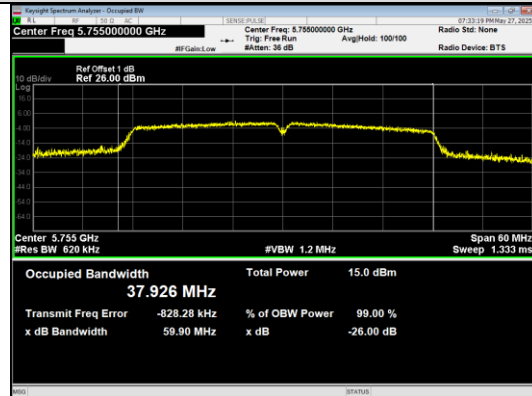
IEEE 802.11ac_Channel 149_20MHz_Antenna 0



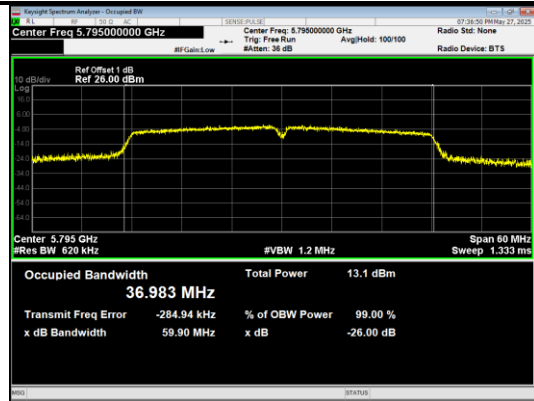
IEEE 802.11ac_Channel 157_20MHz_Antenna 0



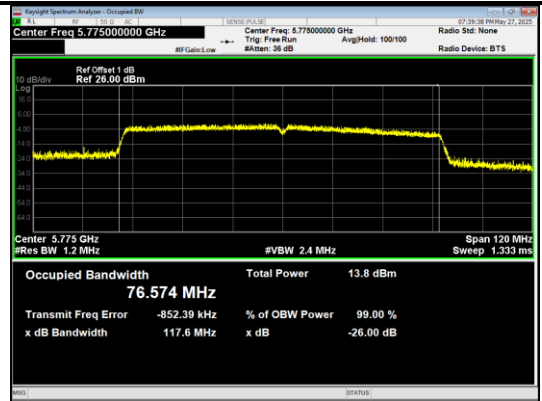
IEEE 802.11ac_Channel 165_20MHz_Antenna 0



IEEE 802.11ac_Channel 151_40MHz_Antenna 0



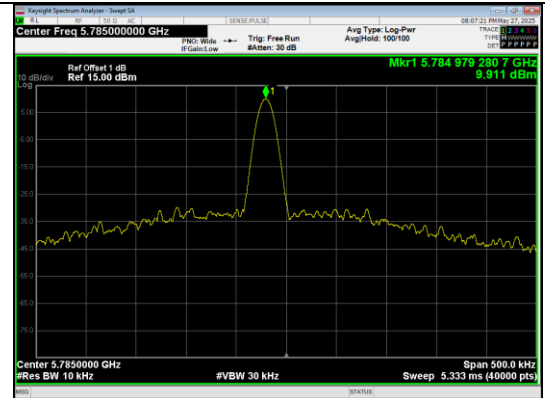
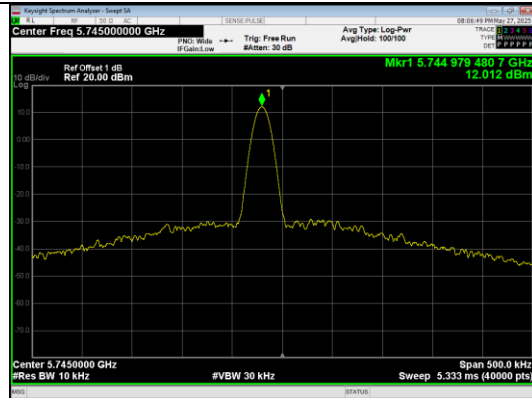
IEEE 802.11ac_Channel 159_40MHz_Antenna 0



IEEE 802.11ac_Channel 155_80MHz_Antenna 0

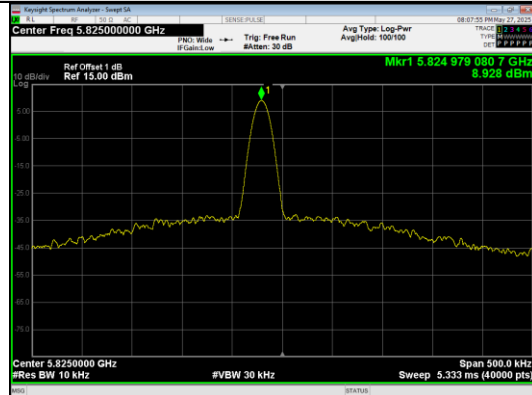
**Frequency Stability****Test Result**

Condition	Mode	Ch.	Antenna	Center Frequency (MHz)	Calculated Value of Center Frequency(MHz)	Result (ppm)	Limit (ppm)	State
NT/NV	IEEE 802.11a	149	0	5745.0	5744.979481	-3.57	Within authorized band	PASS
		157		5785.0	5784.979281	-3.58		PASS
		165		5825.0	5824.979081	-3.59		PASS
	IEEE 802.11n_20	149		5745.0	5744.978218	-3.79		PASS
		157		5785.0	5784.977781	-3.84		PASS
		165		5825.0	5824.977056	-3.94		PASS
	IEEE 802.11n_40	151		5755.0	5754.977068	-3.98		PASS
		159		5795.0	5794.976768	-4.01		PASS
	IEEE 802.11ac_20	149		5745.0	5744.977493	-3.92		PASS
		157		5785.0	5784.977368	-3.91		PASS
		165		5825.0	5824.976531	-4.03		PASS
	IEEE 802.11ac_40	151		5755.0	5754.976793	-4.03		PASS
		159		5795.0	5794.976368	-4.08		PASS
	IEEE 802.11ac_80	155		5775.0	5774.976618	-4.05		PASS

Test Graphs**NT/NV****IEEE 802.11a**

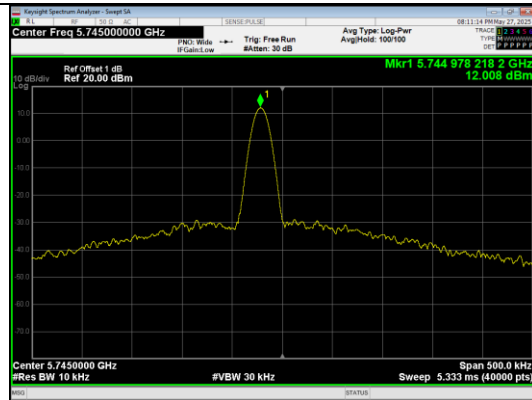
NT/NV_Antenna 0
IEEE 802.11a_Channel 149_20MHz

NT/NV_Antenna 0
IEEE 802.11a_Channel 157_20MHz

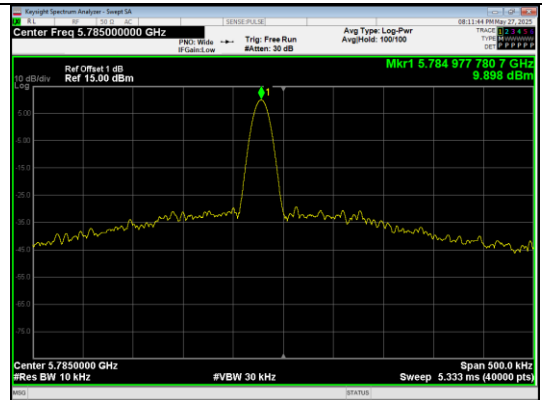


NT/NV_Antenna 0
IEEE 802.11a_Channel 165_20MHz

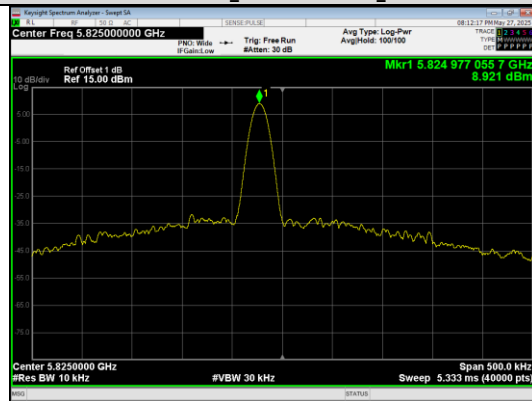
IEEE 802.11n_20



NT/NV_Antenna 0
IEEE 802.11n_Channel 149_20MHz

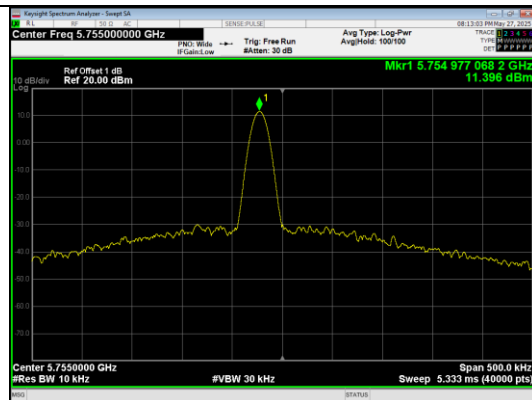


NT/NV_Antenna 0
IEEE 802.11n_Channel 157_20MHz

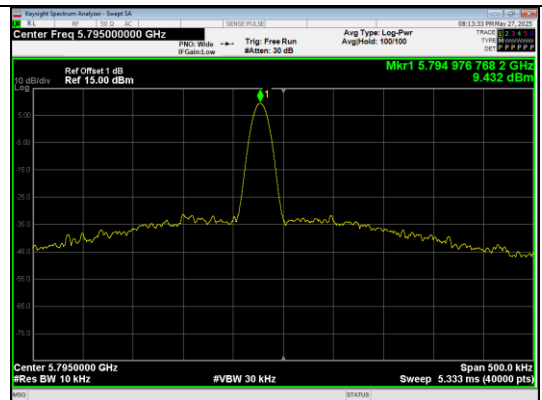


NT/NV_Antenna 0
IEEE 802.11n_Channel 165_20MHz

IEEE 802.11n_40

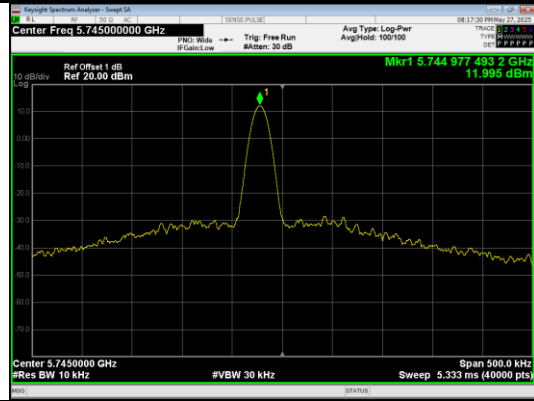


NT/NV_Antenna 0
IEEE 802.11n_Channel 151_40MHz

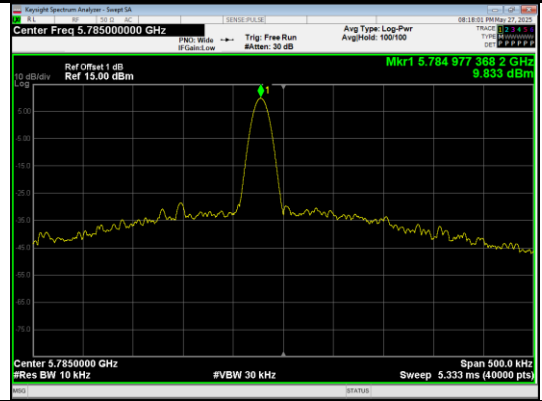


NT/NV_Antenna 0
IEEE 802.11n_Channel 159_40MHz

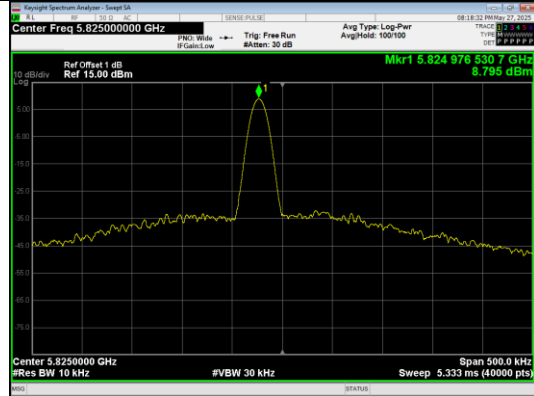
IEEE 802.11ac_20



NT/NV_Antenna 0
IEEE 802.11ac_Channel 149_20MHz

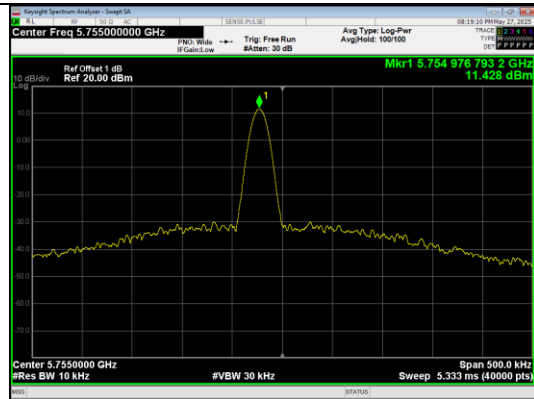


NT/NV_Antenna 0
IEEE 802.11ac_Channel 157_20MHz

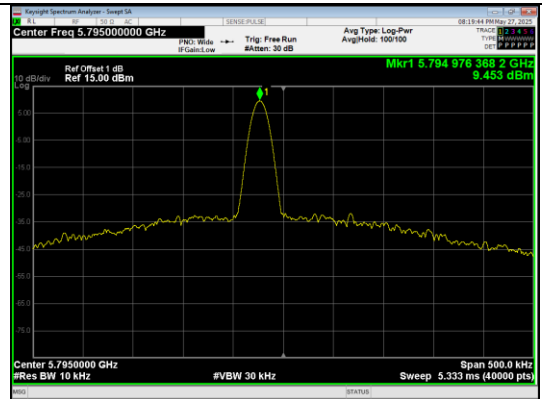


NT/NV_Antenna 0
IEEE 802.11ac_Channel 165_20MHz

IEEE 802.11ac_40

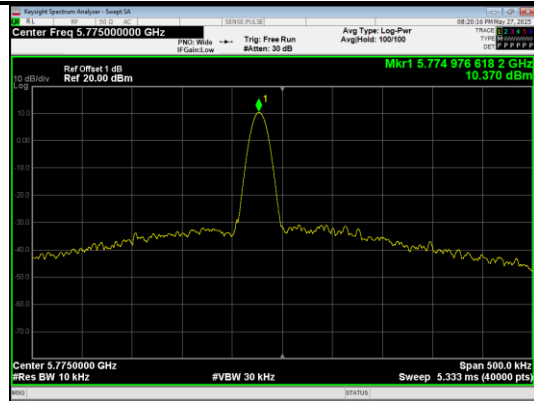


NT/NV_Antenna 0
IEEE 802.11ac_Channel 151_40MHz



NT/NV_Antenna 0
IEEE 802.11ac_Channel 159_40MHz

IEEE 802.11ac_80



NT/NV_Antenna 0
IEEE 802.11ac_Channel 155_80MHz

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