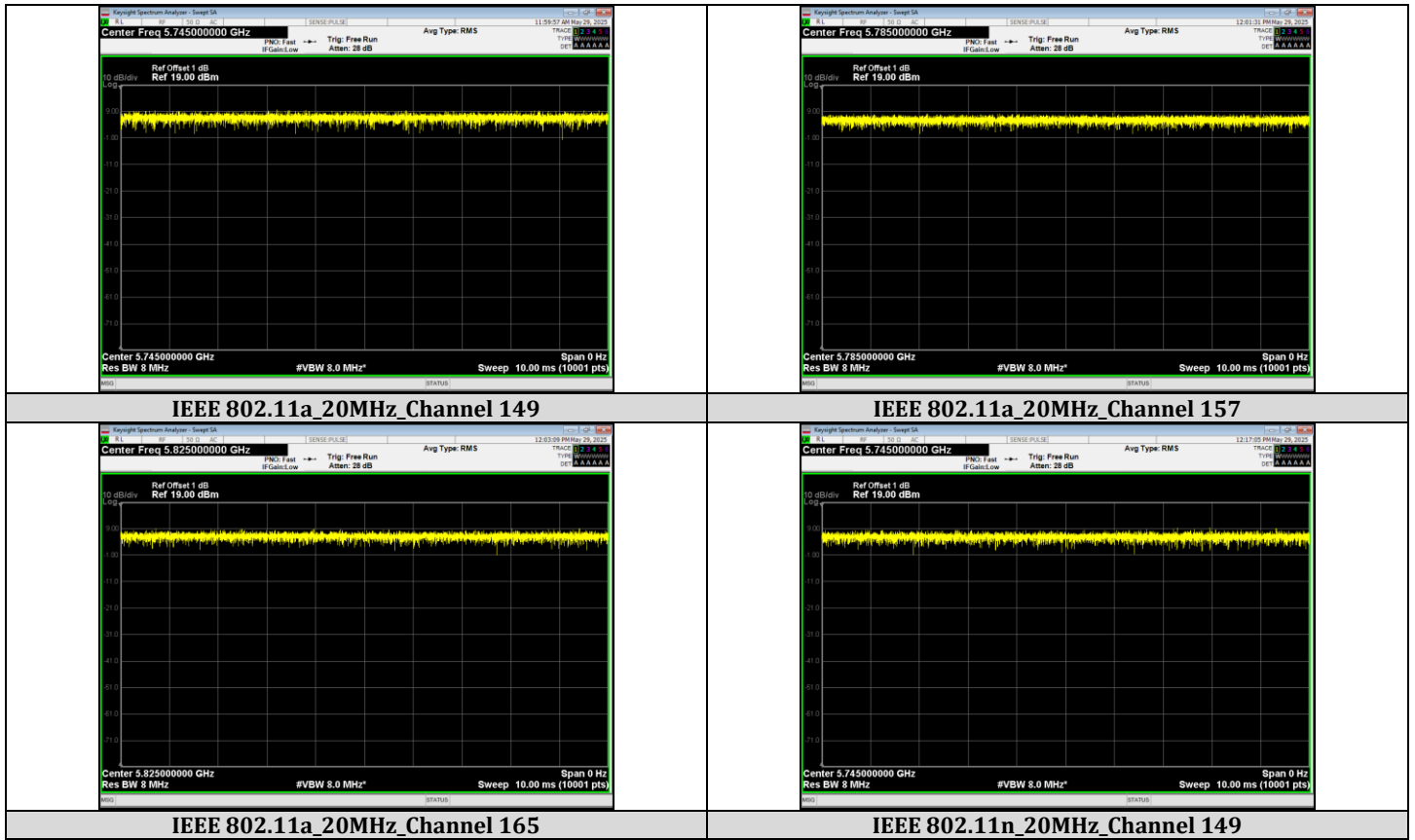
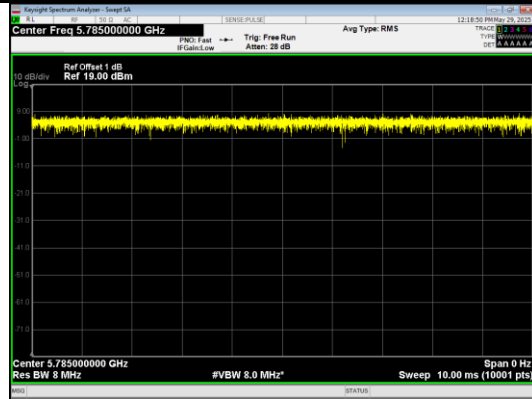


Duty Cycle Test Result

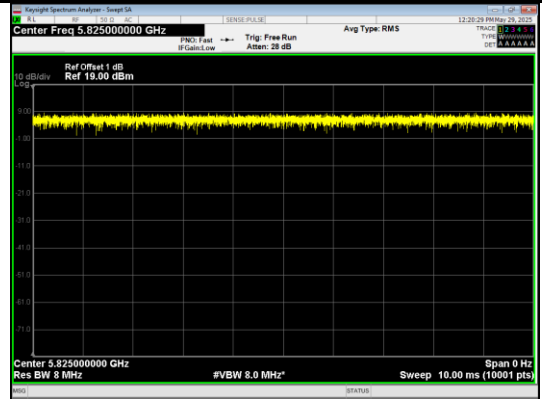
Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
IEEE 802.11a	6	149	1	10.000	10.000	100	1	0.0	0.1000
		157		10.000	10.000	100	1	0.0	0.1000
		165		10.000	10.000	100	1	0.0	0.1000
IEEE 802.11n_20	149	10.000		10.000	100	1	0.0	0.1000	
	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

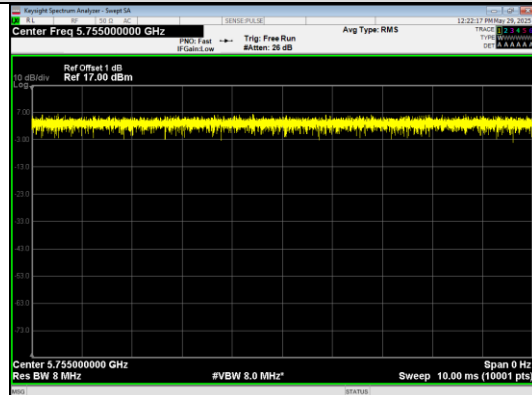




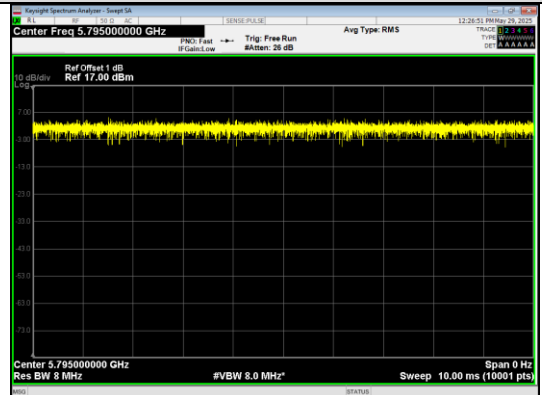
IEEE 802.11n_20MHz_Channel 157



IEEE 802.11n_20MHz_Channel 165



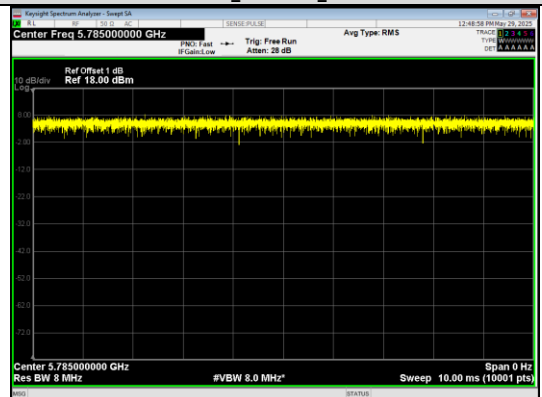
IEEE 802.11n_40MHz_Channel 151



IEEE 802.11n_40MHz_Channel 159



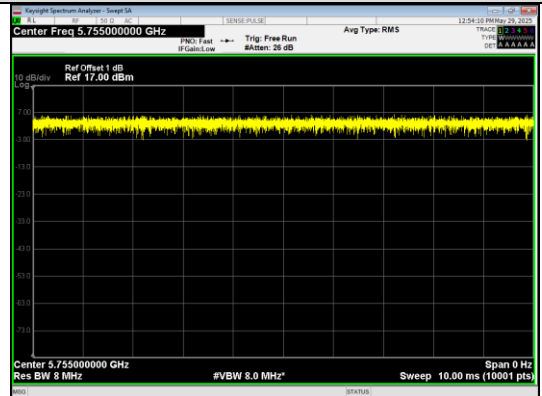
IEEE 802.11ac_20MHz_Channel 149



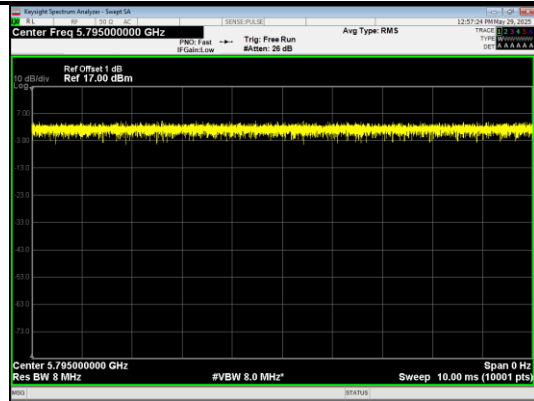
IEEE 802.11ac_20MHz_Channel 157



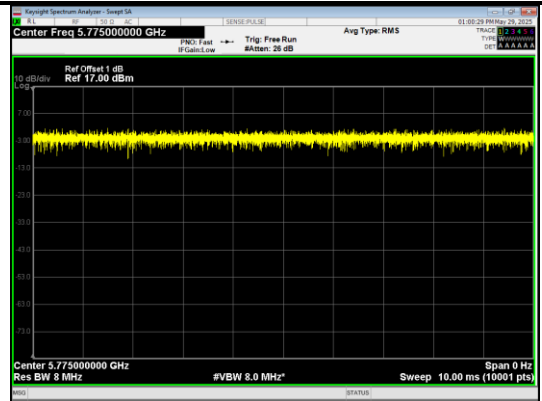
IEEE 802.11ac_20MHz_Channel 165



IEEE 802.11ac_40MHz_Channel 151



IEEE 802.11ac_40MHz_Channel 159



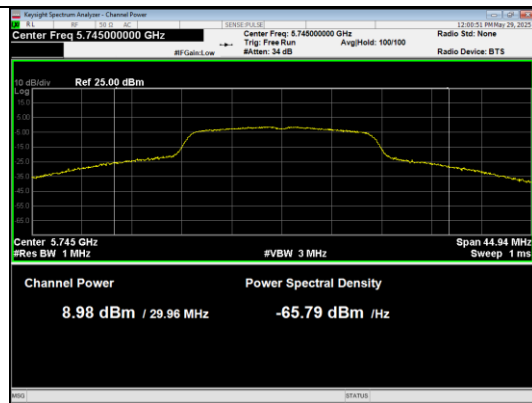
IEEE 802.11ac_80MHz_Channel 155



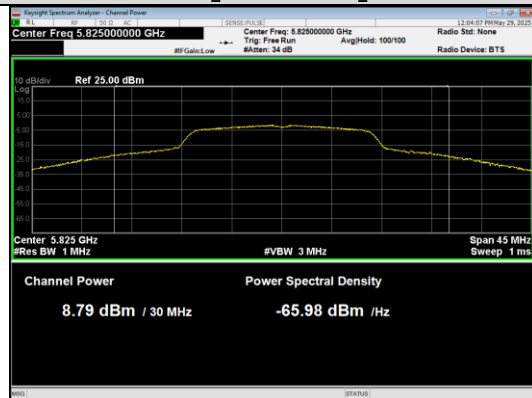
Conducted Output Power

Conducted output power

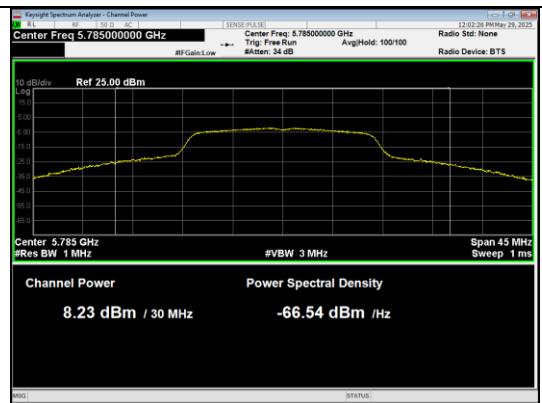
Mode	Channel	Ant. 0 (dBm)	Corr'd Value Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11a	149	8.98	8.98	≤30	PASS
	157	8.23	8.23	≤30	PASS
	165	8.79	8.79	≤30	PASS
IEEE 802.11n_20	149	8.40	8.4	≤30	PASS
	157	7.69	7.69	≤30	PASS
	165	8.86	8.86	≤30	PASS
IEEE 802.11n_40	151	8.34	8.34	≤30	PASS
	159	6.91	6.91	≤30	PASS
IEEE 802.11ac_20	149	8.23	8.23	≤30	PASS
	157	7.44	7.44	≤30	PASS
	165	7.92	7.92	≤30	PASS
IEEE 802.11ac_40	151	8.38	8.38	≤30	PASS
	159	6.83	6.83	≤30	PASS
IEEE 802.11ac_80	155	6.64	6.64	≤30	PASS



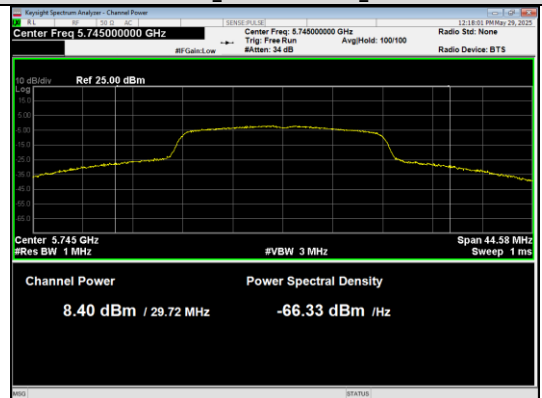
Conducted AVG output power
IEEE 802.11a_Channel 149_Antenna 0



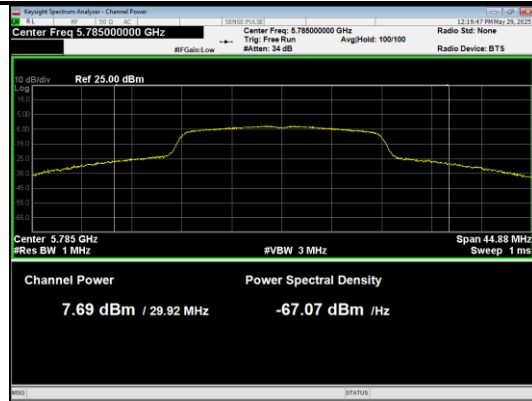
Conducted AVG output power
IEEE 802.11a_Channel 165_Antenna 0



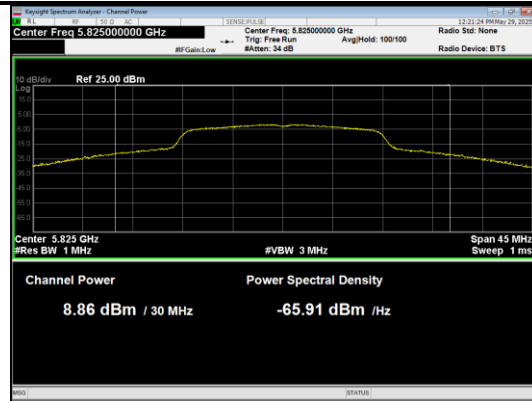
Conducted AVG output power
IEEE 802.11a_Channel 157_Antenna 0



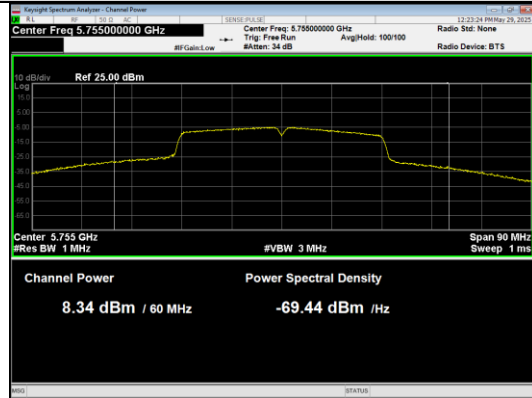
Conducted AVG output power
IEEE 802.11n_20_Channel 149_Antenna 0



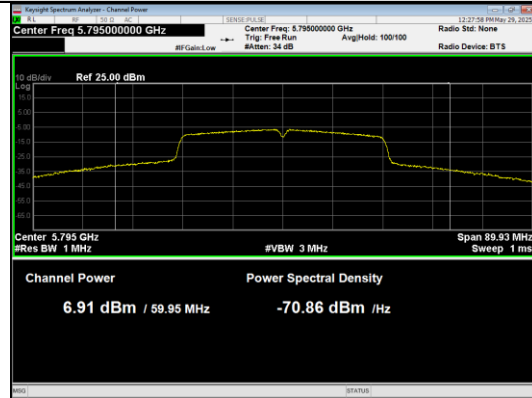
Conducted AVG output power
IEEE 802.11n_20_Channel 157_Antenna 0



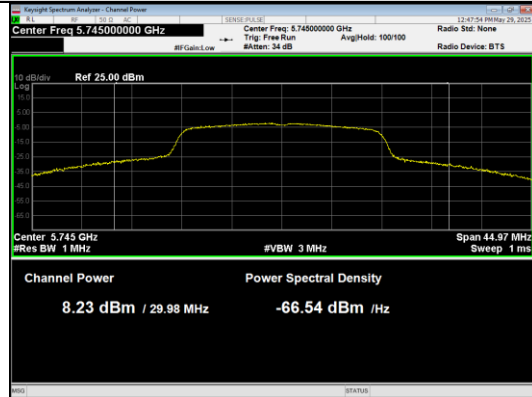
Conducted AVG output power
IEEE 802.11n_20_Channel 165_Antenna 0



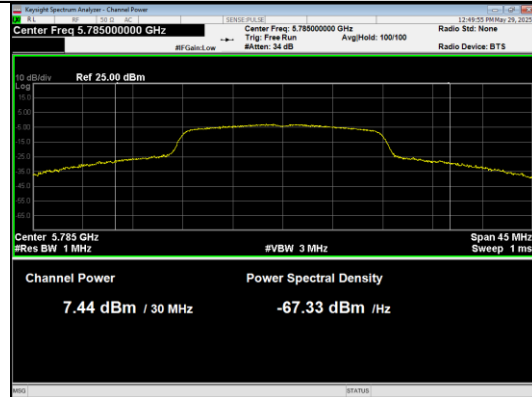
Conducted AVG output power
IEEE 802.11n_40_Channel 151_Antenna 0



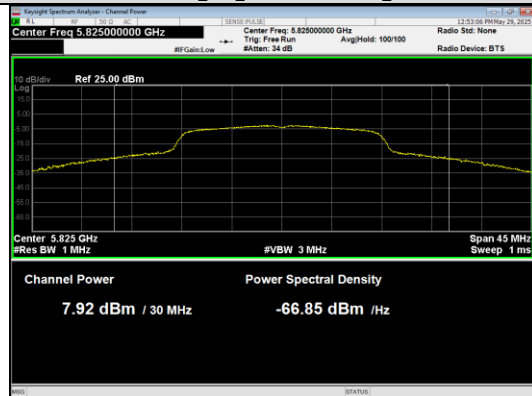
Conducted AVG output power
IEEE 802.11n_40_Channel 159_Antenna 0



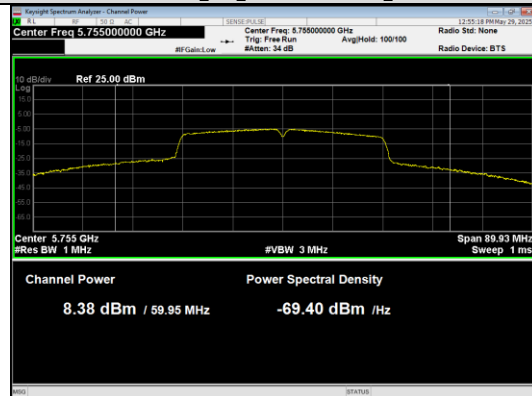
Conducted AVG output power
IEEE 802.11ac_20_Channel 149_Antenna 0



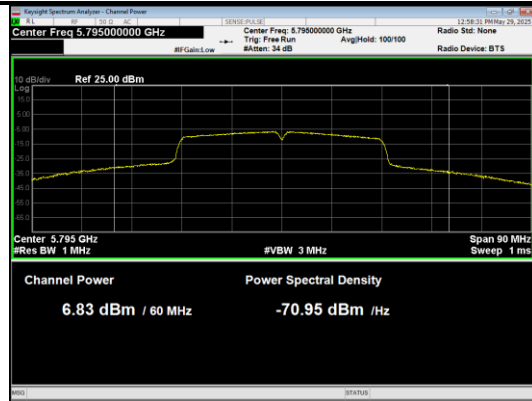
Conducted AVG output power
IEEE 802.11ac_20_Channel 157_Antenna 0



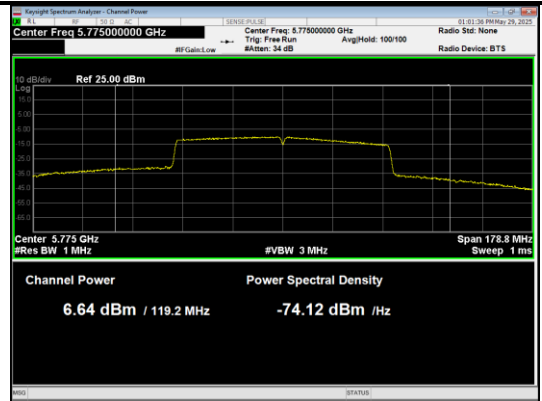
Conducted AVG output power
IEEE 802.11ac_20_Channel 165_Antenna 0



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

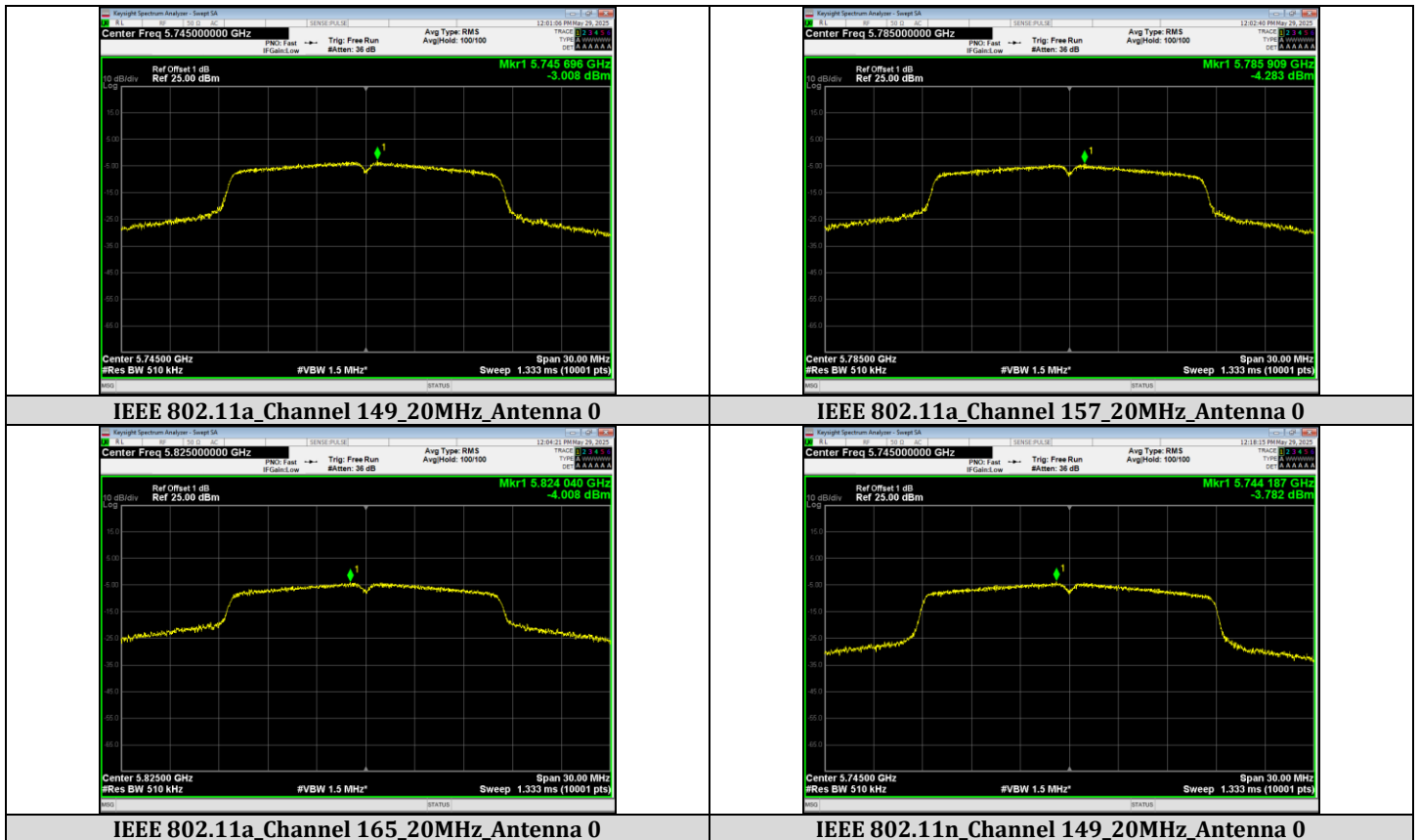


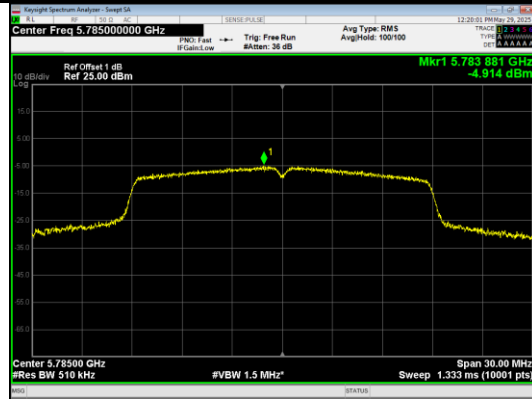
Peak Power Spectral Density

Test Result

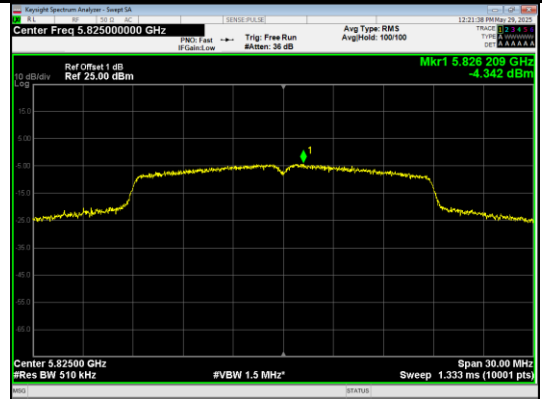
Mode	Channel	Ant. 0 Meas PSD (dBm/MHz or dBm/0.5MHz)	Ant. 0 Corr'd PSD (dBm/MHz or dBm/0.5MHz)	Limit (dBm/MHz or dBm/0.5MHz)	Result
IEEE 802.11a	149	-3.008	-3.008	30	PASS
	157	-4.283	-4.283		PASS
	165	-4.008	-4.008		PASS
IEEE 802.11n_20	149	-3.782	-3.782		PASS
	157	-4.914	-4.914		PASS
	165	-4.342	-4.342		PASS
IEEE 802.11n_40	151	-6.945	-6.945		PASS
	159	-8.662	-8.662		PASS
IEEE 802.11ac_20	149	-3.957	-3.957		PASS
	157	-5.340	-5.34		PASS
	165	-4.700	-4.7		PASS
IEEE 802.11ac_40	151	-7.248	-7.248		PASS
	159	-8.945	-8.945		PASS
IEEE 802.11ac_80	155	-12.097	-12.097		PASS

Test Graphs

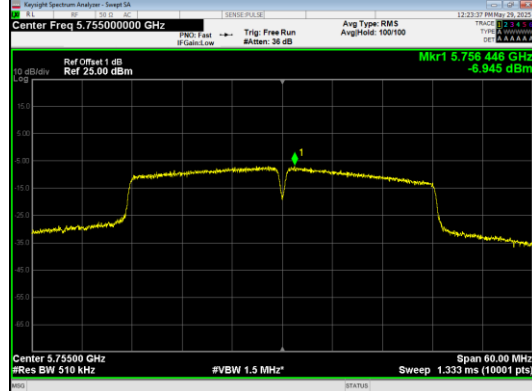




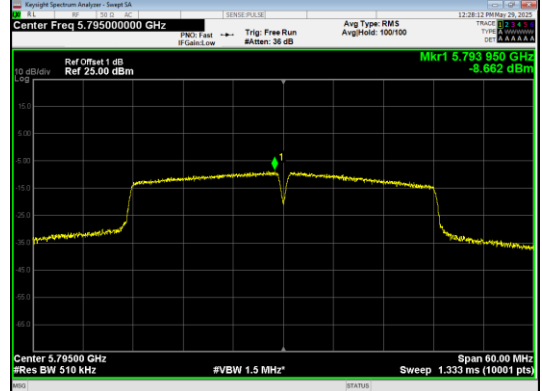
IEEE 802.11n_Channel 157_20MHz_Antenna 0



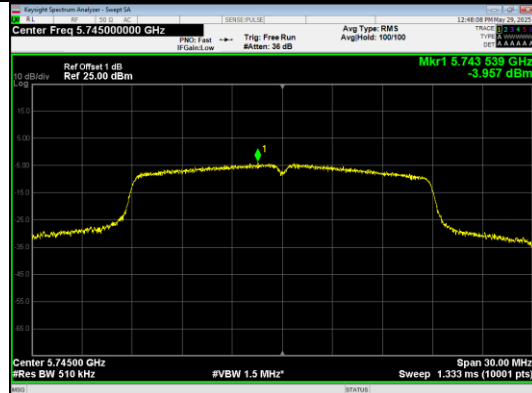
IEEE 802.11n_Channel 165_20MHz_Antenna 0



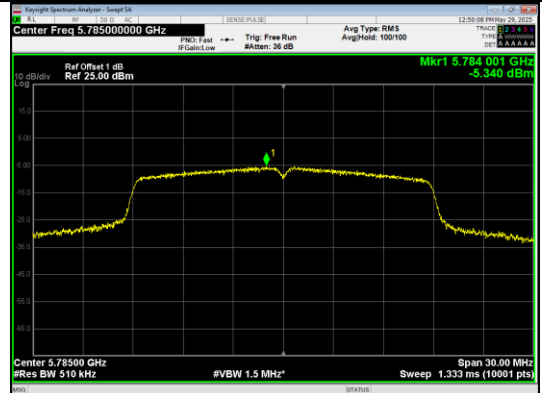
IEEE 802.11n_Channel 151_40MHz_Antenna 0



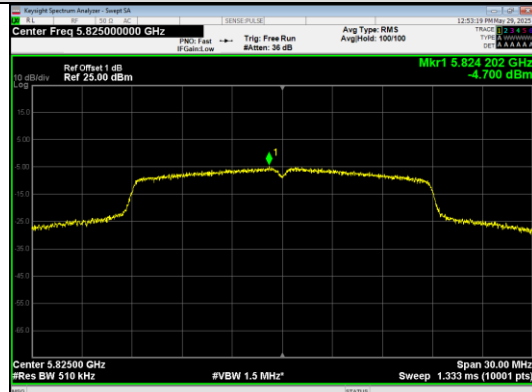
IEEE 802.11n_Channel 159_40MHz_Antenna 0



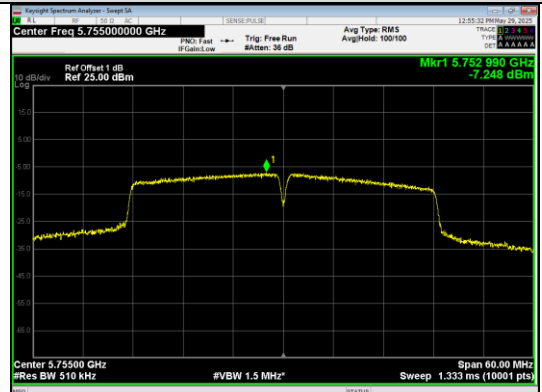
IEEE 802.11ac_Channel 149_20MHz_Antenna 0



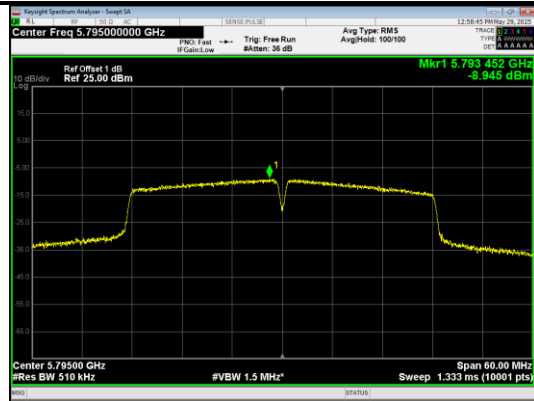
IEEE 802.11ac_Channel 157_20MHz_Antenna 0



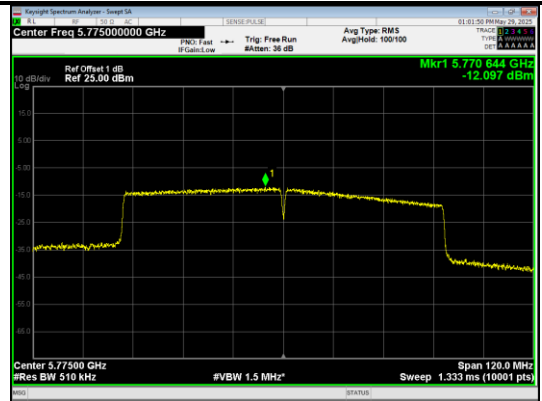
IEEE 802.11ac_Channel 165_20MHz_Antenna 0



IEEE 802.11ac_Channel 151_40MHz_Antenna 0



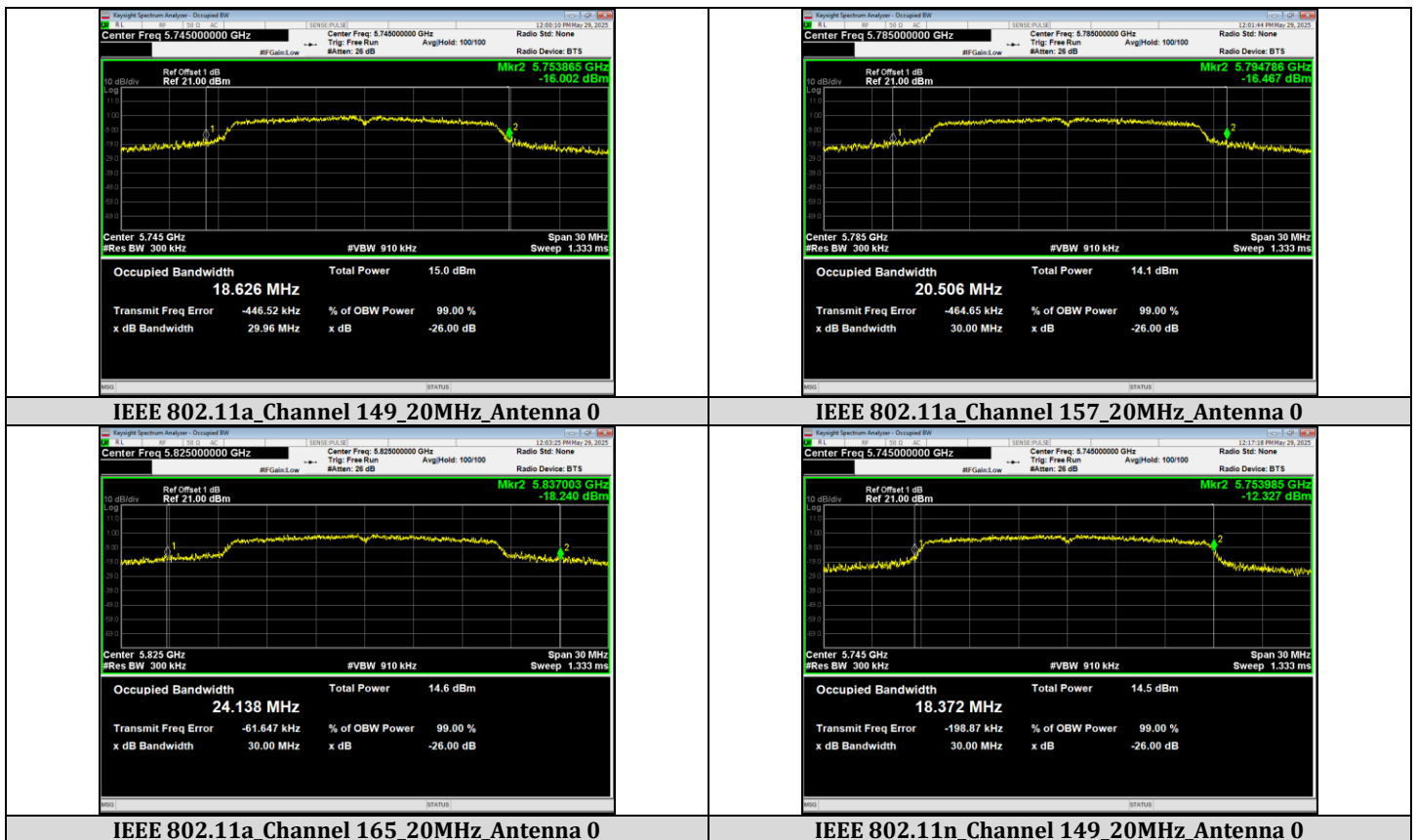
IEEE 802.11ac_Channel 159_40MHz_Antenna 0

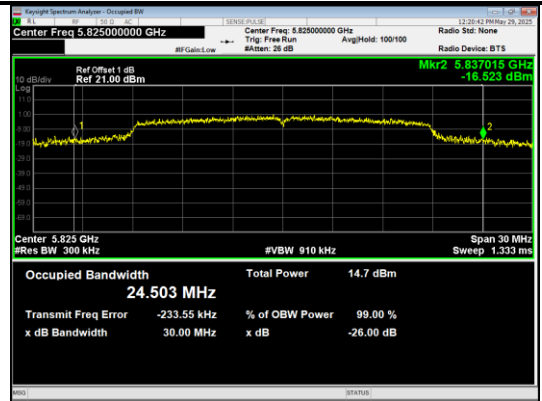
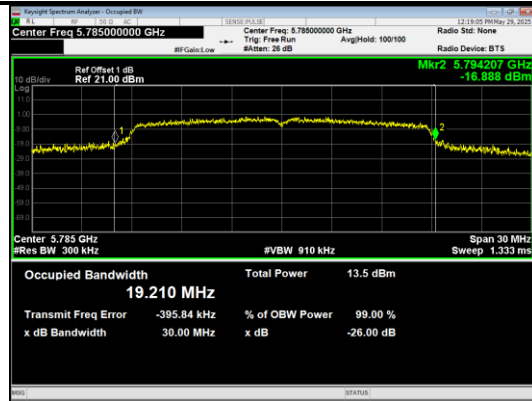


IEEE 802.11ac_Channel 155_80MHz_Antenna 0

**99% Bandwidth****Test Result**

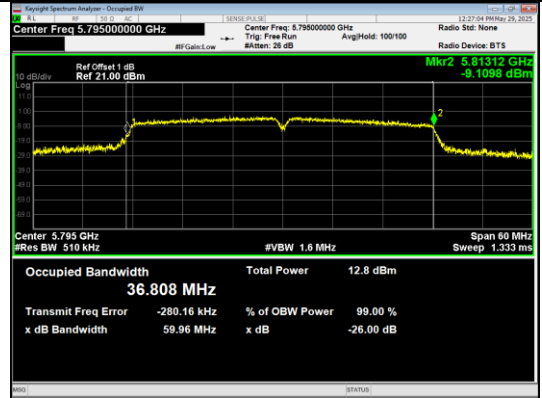
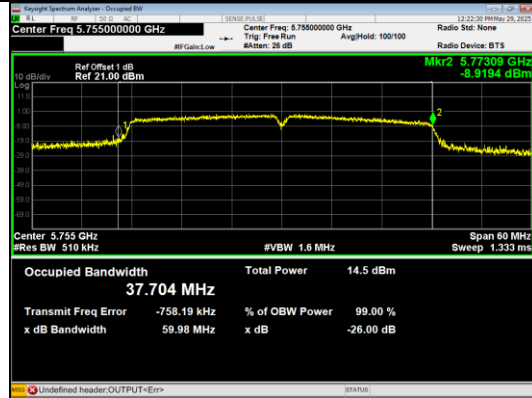
Mode	Channel	Ant.	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11a	149	0	5745	18.626
	157		5785	20.506
	165		5825	24.138
IEEE 802.11n_20	149		5745	18.372
	157		5785	19.210
	165		5825	24.503
IEEE 802.11n_40	151		5755	37.704
	159		5795	36.808
IEEE 802.11ac_20	149		5745	18.245
	157		5785	19.006
	165		5825	22.330
IEEE 802.11ac_40	151		5755	37.751
	159		5795	36.854
IEEE 802.11ac_80	155		5775	76.272

Test Graphs



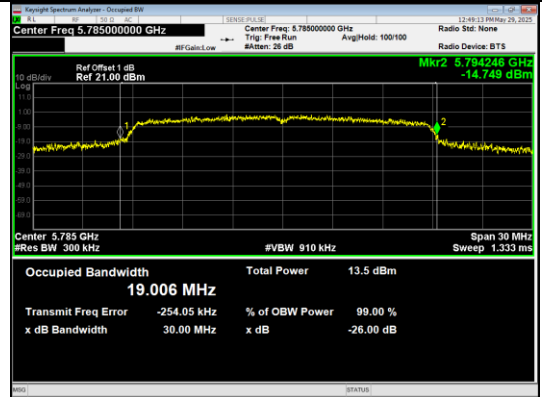
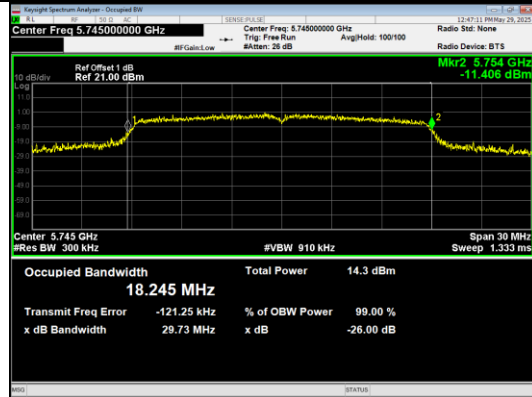
IEEE 802.11n_Channel 157_20MHz_Antenna 0

IEEE 802.11n_Channel 165_20MHz_Antenna 0



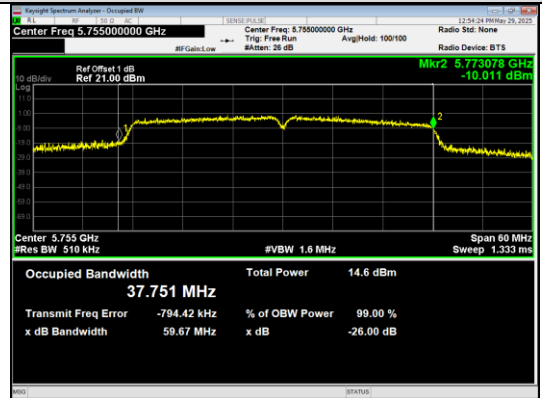
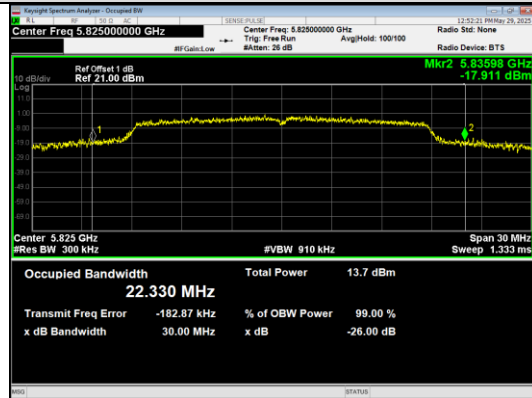
IEEE 802.11n_Channel 151_40MHz_Antenna 0

IEEE 802.11n_Channel 159_40MHz_Antenna 0



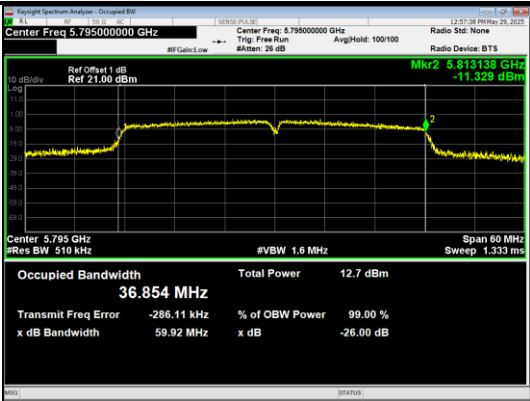
IEEE 802.11ac_Channel 149_20MHz_Antenna 0

IEEE 802.11ac_Channel 157_20MHz_Antenna 0

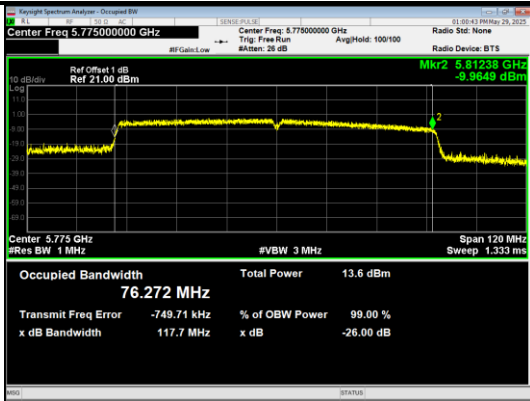


IEEE 802.11ac_Channel 165_20MHz_Antenna 0

IEEE 802.11ac_Channel 151_40MHz_Antenna 0



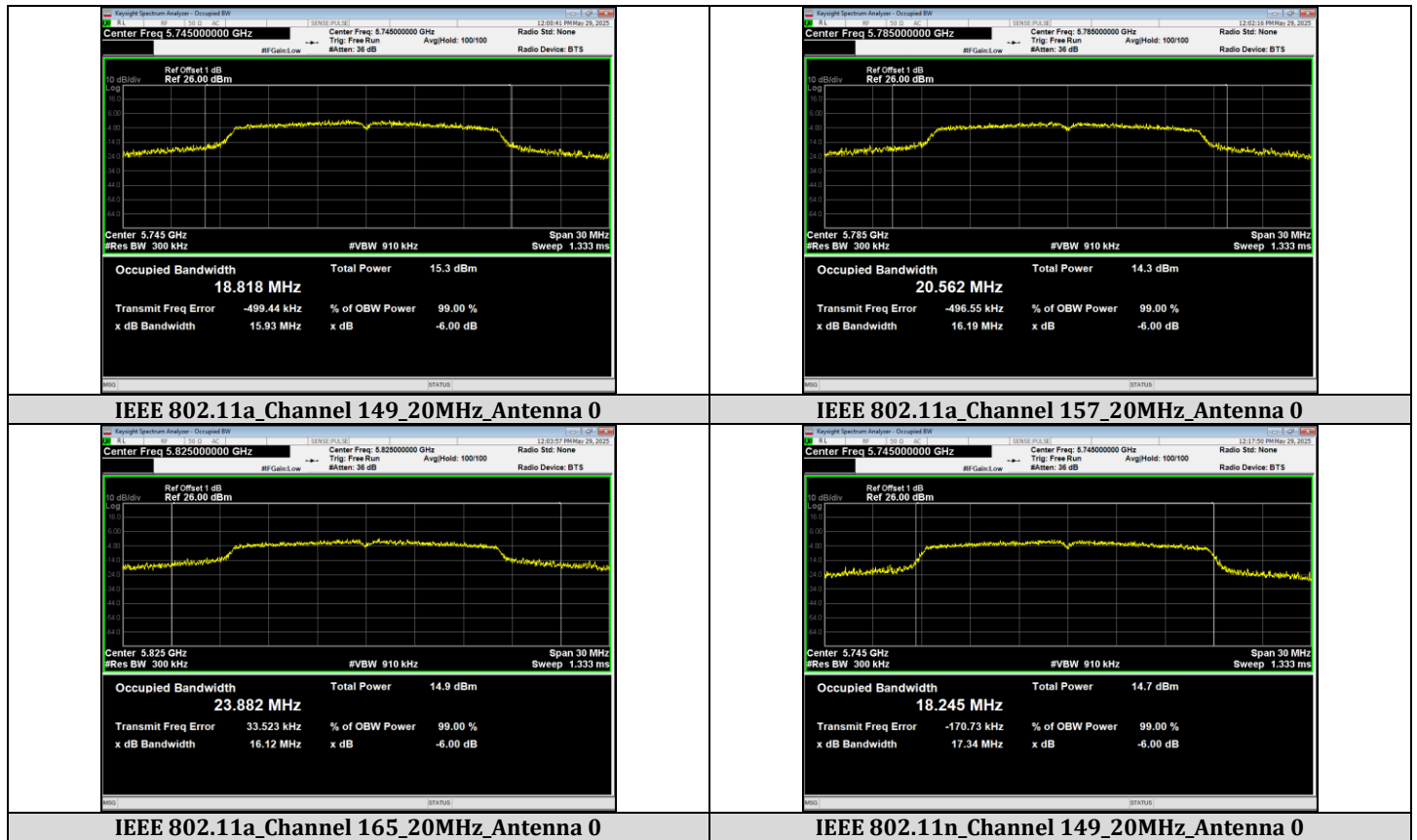
IEEE 802.11ac_Channel 159_40MHz_Antenna 0

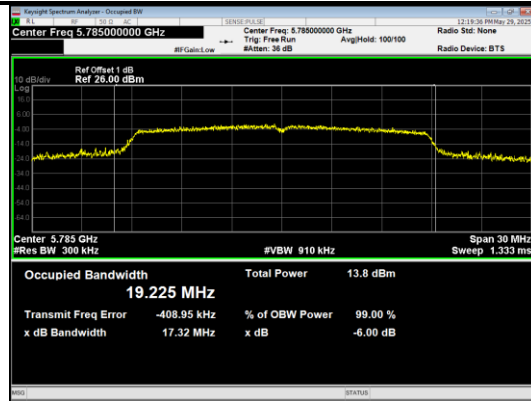


IEEE 802.11ac_Channel 155_80MHz_Antenna 0

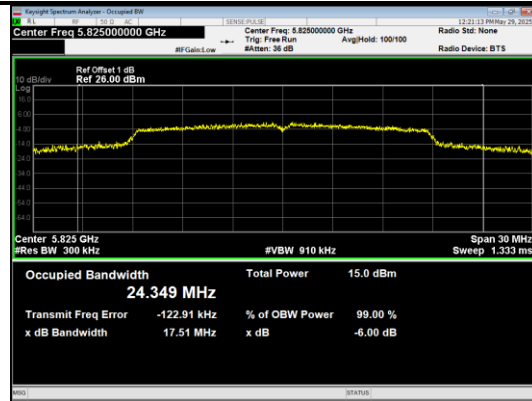
**6dB Bandwidth****Test Result**

Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11a	149	0	5745	15.93	≥0.5	PASS
	157		5785	16.19		PASS
	165		5825	16.12		PASS
IEEE 802.11n_20	149		5745	17.34		PASS
	157		5785	17.32		PASS
	165		5825	17.51		PASS
IEEE 802.11n_40	151		5755	34.58		PASS
	159		5795	35.23		PASS
IEEE 802.11ac_20	149		5745	17.04		PASS
	157		5785	17.14		PASS
	165		5825	17.33		PASS
IEEE 802.11ac_40	151		5755	34.76		PASS
	159		5795	34.83		PASS
IEEE 802.11ac_80	155		5775	75.43		PASS

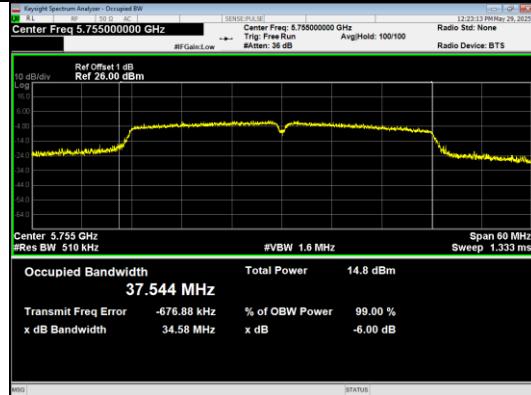
Test Graphs



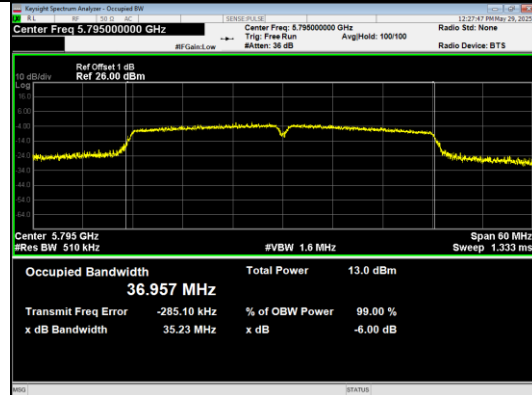
IEEE 802.11n_Channel 157_20MHz_Antenna 0



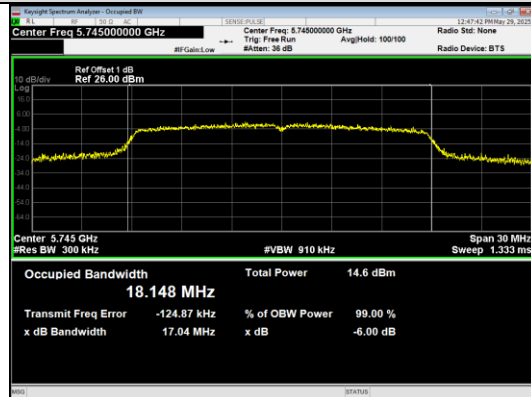
IEEE 802.11n_Channel 165_20MHz_Antenna 0



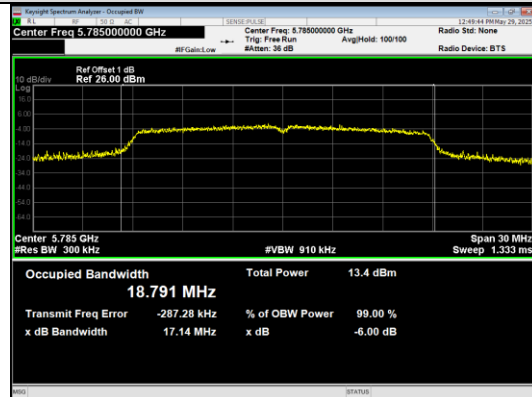
IEEE 802.11n_Channel 151_40MHz_Antenna 0



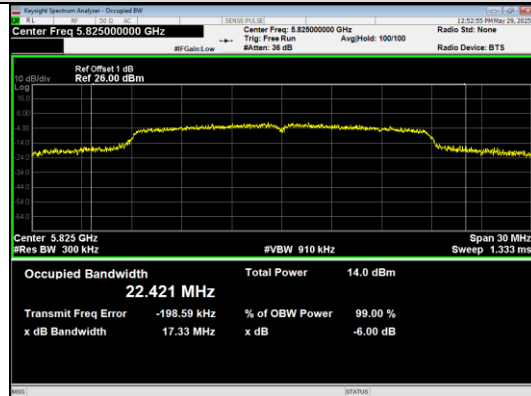
IEEE 802.11n_Channel 159_40MHz_Antenna 0



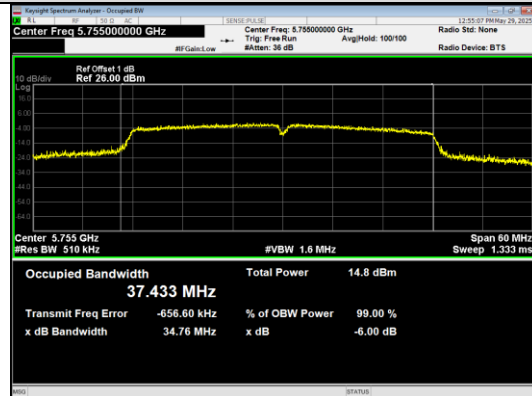
IEEE 802.11ac_Channel 149_20MHz_Antenna 0



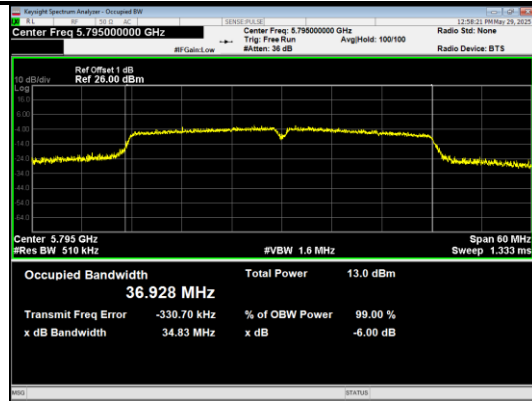
IEEE 802.11ac_Channel 157_20MHz_Antenna 0



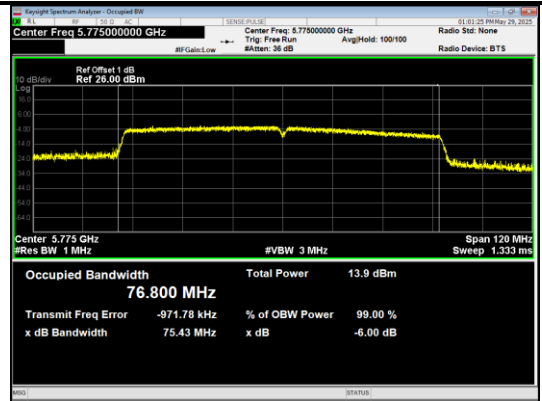
IEEE 802.11ac_Channel 165_20MHz_Antenna 0



IEEE 802.11ac_Channel 151_40MHz_Antenna 0



IEEE 802.11ac_Channel 159_40MHz_Antenna 0



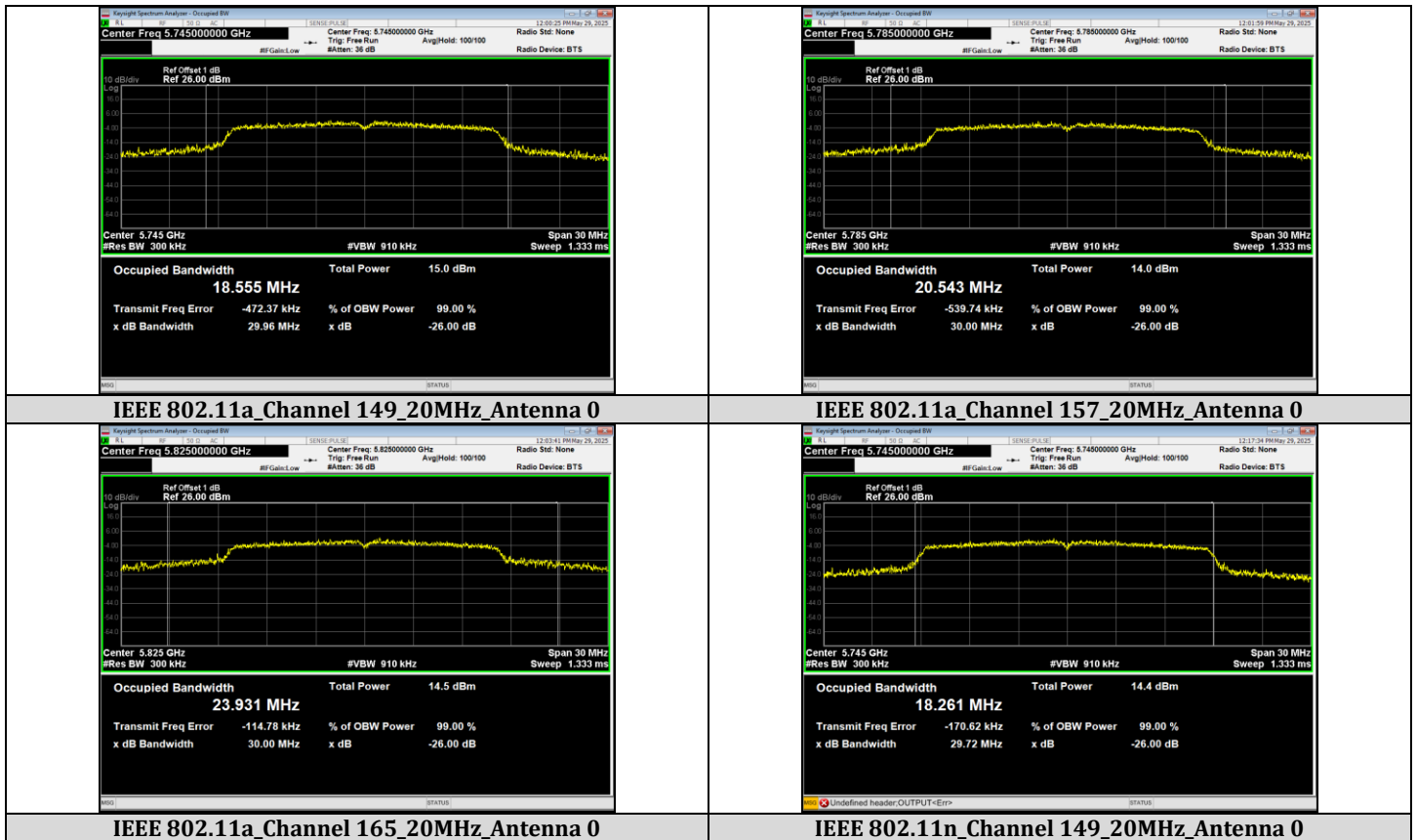
IEEE 802.11ac_Channel 155_80MHz_Antenna 0

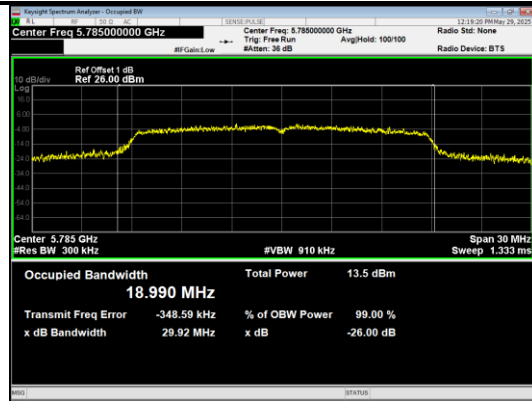
26dB Bandwidth

Test Result

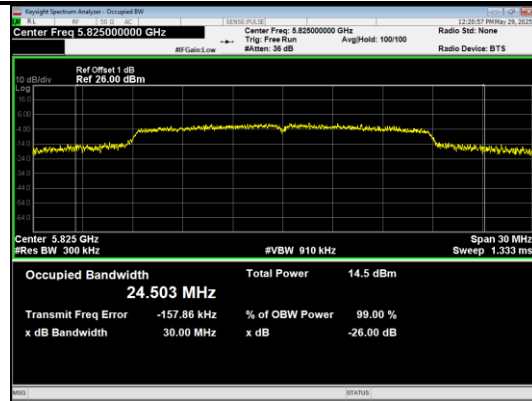
Mode	Channel	Ant.	Center Frequency (MHz)	26 dB Bandwidth (MHz)	RBW/EBW
IEEE 802.11a	149	0	5745	29.96	1.0
	157		5785	30.00	1.0
	165		5825	30.00	1.0
IEEE 802.11n_20	149		5745	29.72	1.01
	157		5785	29.92	1.0
	165		5825	30.00	1.0
IEEE 802.11n_40	151		5755	60.00	1.03
	159		5795	59.95	1.03
IEEE 802.11ac_20	149		5745	29.98	1.0
	157		5785	30.00	1.0
	165		5825	30.00	1.0
IEEE 802.11ac_40	151		5755	59.95	1.03
	159		5795	60.00	1.03
IEEE 802.11ac_80	155		5775	119.19	0.99

Test Graphs

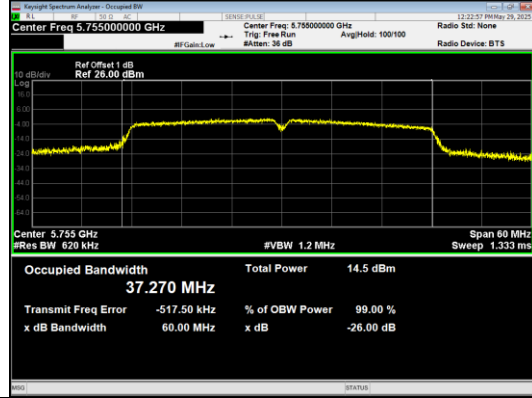




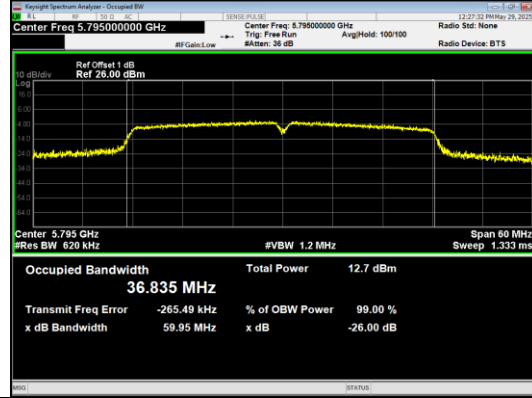
IEEE 802.11n_Channel 157_20MHz_Antenna 0



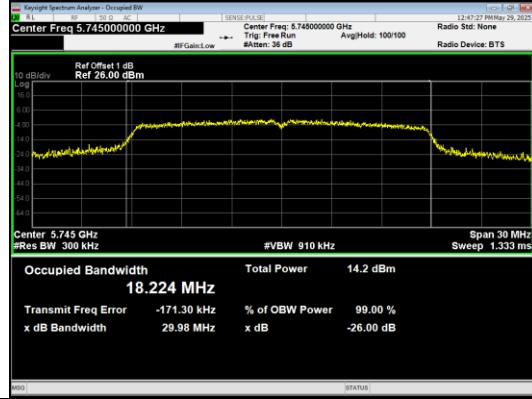
IEEE 802.11n_Channel 165_20MHz_Antenna 0



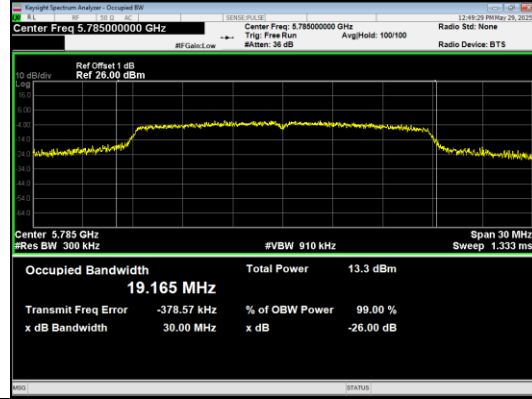
IEEE 802.11n_Channel 151_40MHz_Antenna 0



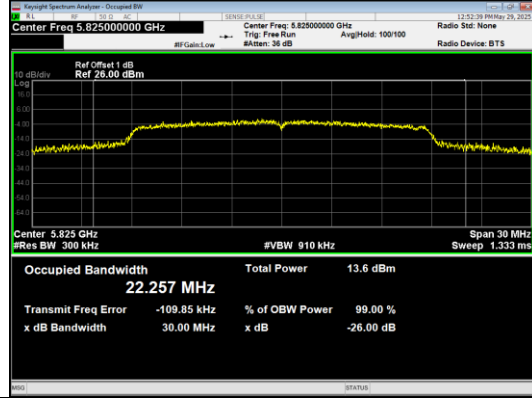
IEEE 802.11n_Channel 159_40MHz_Antenna 0



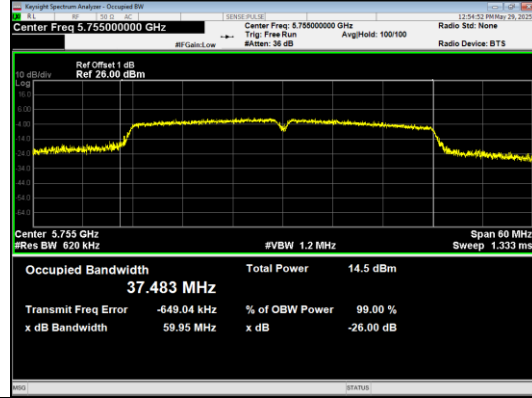
IEEE 802.11ac_Channel 149_20MHz_Antenna 0



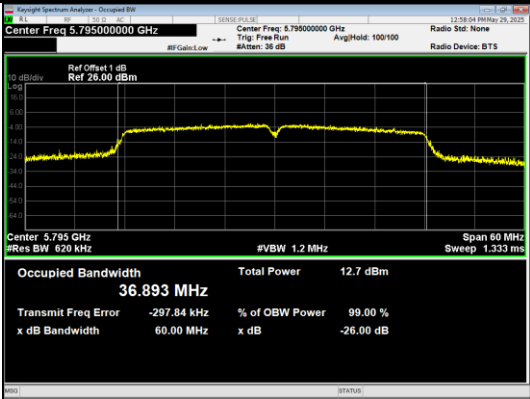
IEEE 802.11ac_Channel 157_20MHz_Antenna 0



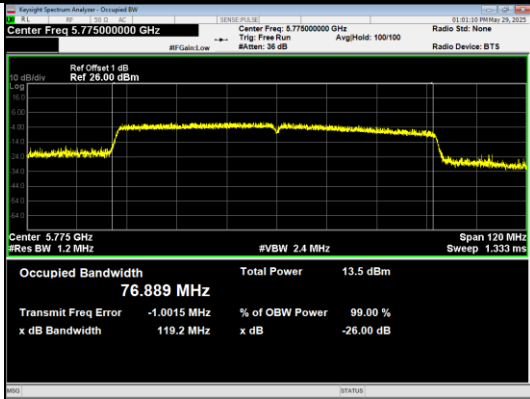
IEEE 802.11ac_Channel 165_20MHz_Antenna 0



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

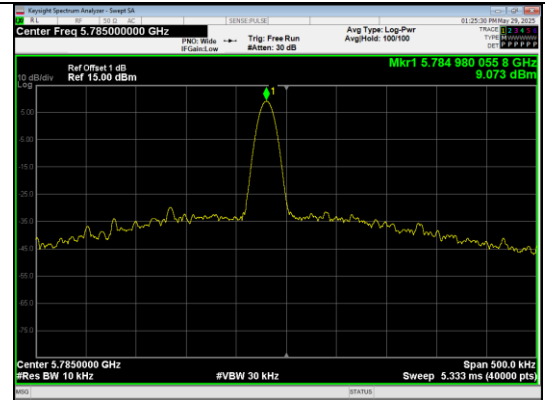
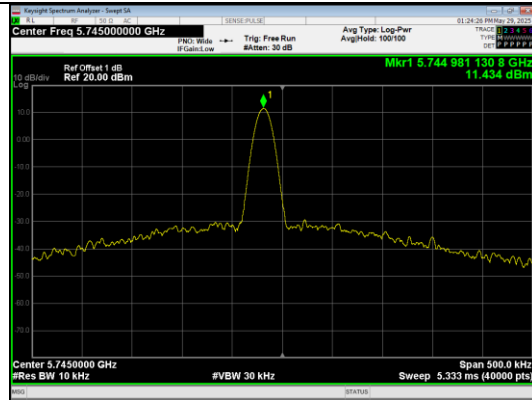
Test Result

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	5744.981131	-3.28	Within authorized band	PASS
		157		5785.0	5784.980056	-3.45		PASS
		165		5825.0	5824.979506	-3.52		PASS
	IEEE 802.11n_20	149		5745.0	5744.979156	-3.63		PASS
		157		5785.0	5784.978606	-3.7		PASS
		165		5825.0	5824.978131	-3.75		PASS
	IEEE 802.11n_40	151		5755.0	5754.978343	-3.76		PASS
		159		5795.0	5794.977856	-3.82		PASS
	IEEE 802.11ac_20	149		5745.0	5744.977718	-3.88		PASS
		157		5785.0	5784.977293	-3.93		PASS
		165		5825.0	5824.976693	-4.0		PASS
	IEEE 802.11ac_40	151		5755.0	5754.977231	-3.96		PASS
		159		5795.0	5794.976568	-4.04		PASS
	IEEE 802.11ac_80	155		5775.0	5774.976693	-4.04		PASS

Test Graphs

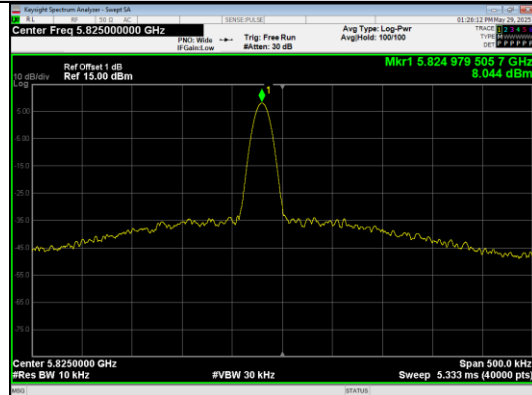
NT/NV

IEEE 802.11a



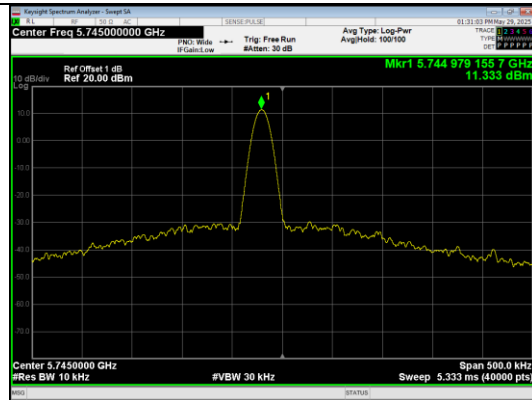
NT/NV_Antenna 0
IEEE 802.11a_Channel 149_20MHz

NT/NV_Antenna 0
IEEE 802.11a_Channel 157_20MHz

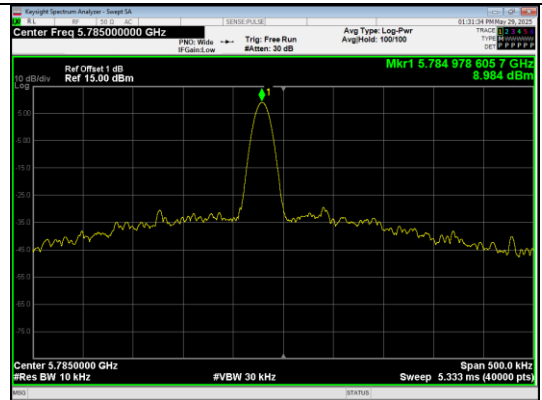


NT/NV_Antenna 0
IEEE 802.11a_Channel 165_20MHz

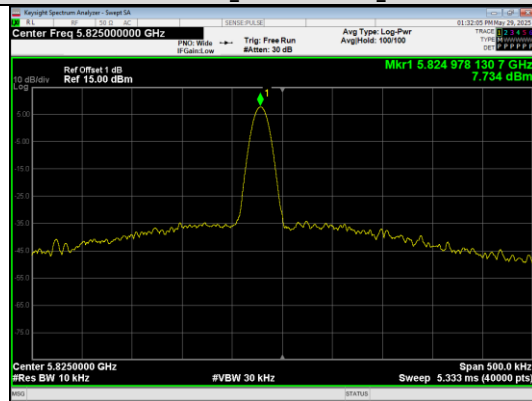
IEEE 802.11n_20



NT/NV_Antenna 0
IEEE 802.11n_Channel 149_20MHz

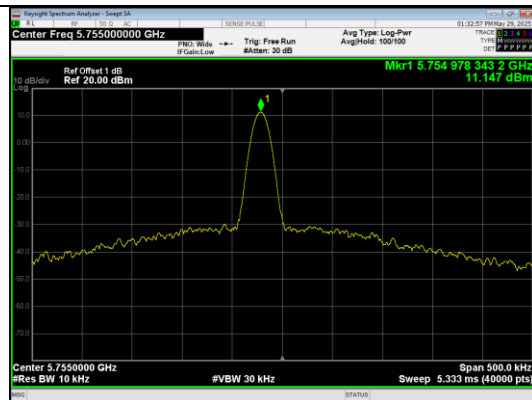


NT/NV_Antenna 0
IEEE 802.11n_Channel 157_20MHz

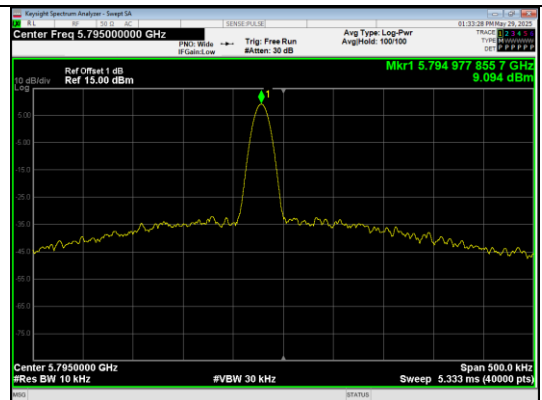


NT/NV_Antenna 0
IEEE 802.11n_Channel 165_20MHz

IEEE 802.11n_40

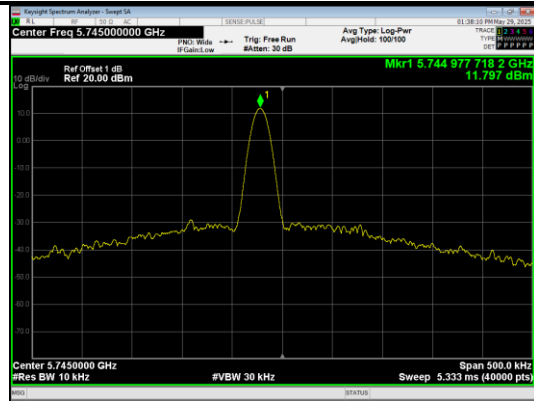


NT/NV_Antenna 0
IEEE 802.11n_Channel 151_40MHz

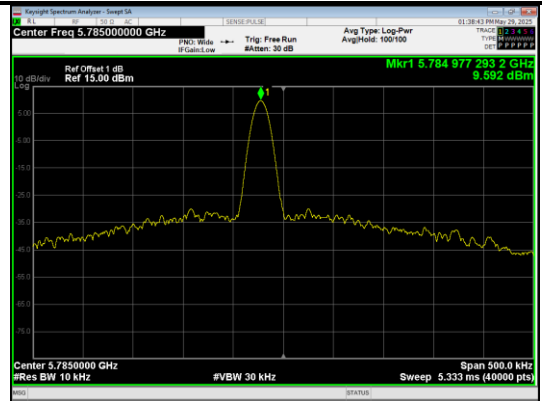


NT/NV_Antenna 0
IEEE 802.11n_Channel 159_40MHz

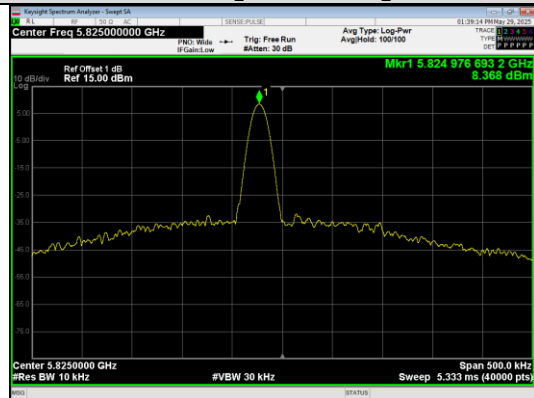
IEEE 802.11ac_20



NT/NV_Antenna 0
IEEE 802.11ac_Channel 149_20MHz

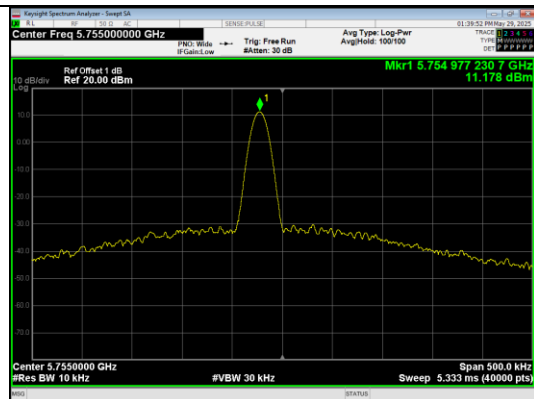


NT/NV_Antenna 0
IEEE 802.11ac_Channel 157_20MHz

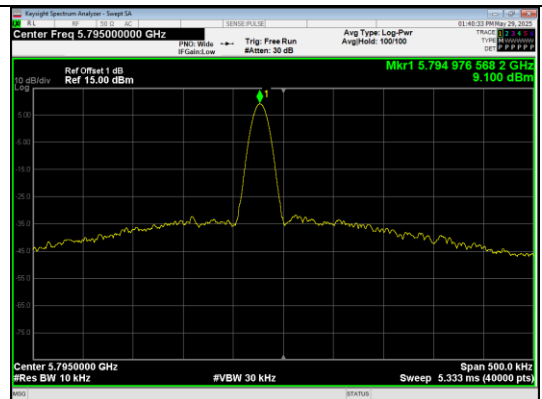


NT/NV_Antenna 0
IEEE 802.11ac_Channel 165_20MHz

IEEE 802.11ac_40

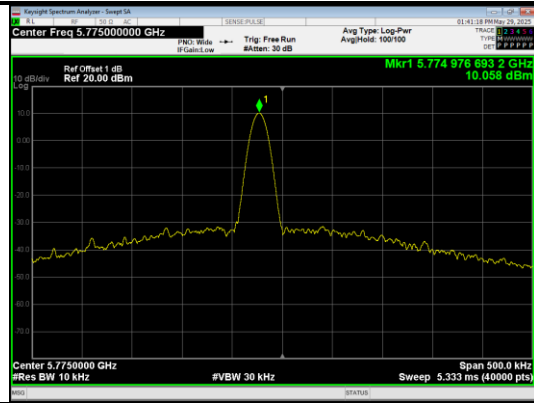


NT/NV_Antenna 0
IEEE 802.11ac_Channel 151_40MHz



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 *****