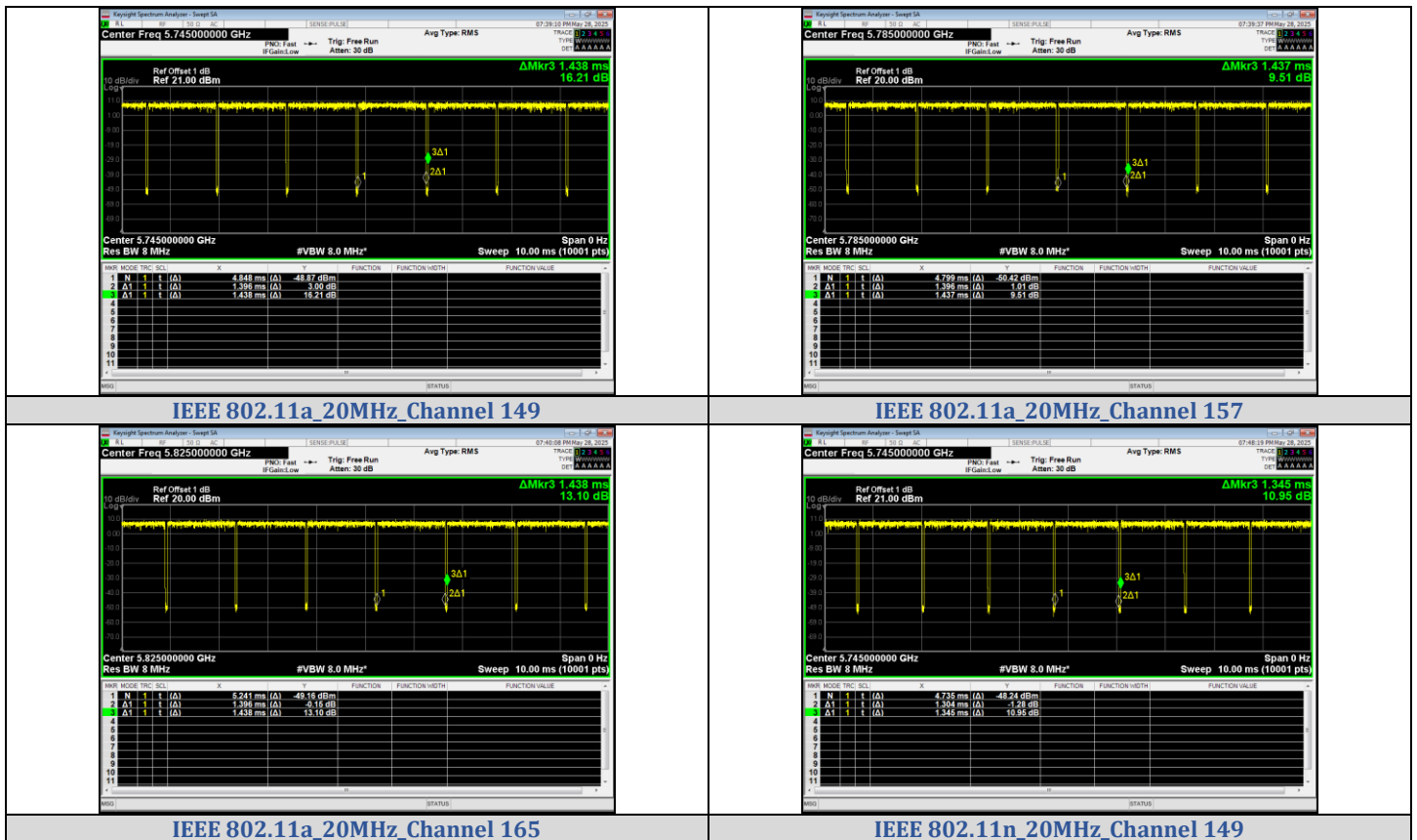


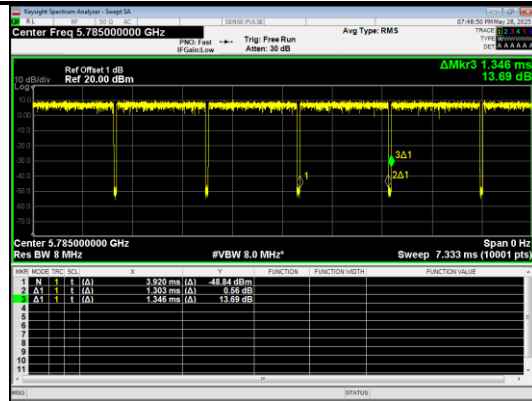
Duty Cycle

Test Result

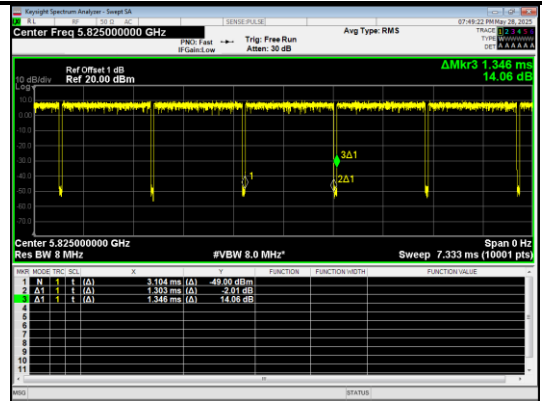
Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
IEEE 802.11a	6	149	1	1.396	1.438	97.08	0.9708	0.1287	0.7163
		157		1.396	1.437	97.15	0.9715	0.1256	0.7163
		165		1.396	1.438	97.08	0.9708	0.1287	0.7163
IEEE 802.11n_20	149	1.304		1.345	96.95	0.9695	0.1345	0.7669	
	157	1.303		1.346	96.84	0.9684	0.1395	0.7675	
	165	1.303		1.346	96.84	0.9684	0.1395	0.7675	
IEEE 802.11n_40	151	0.650		0.692	93.90	0.9390	0.2733	1.5385	
	159	0.650		0.693	93.84	0.9384	0.2761	1.5385	
IEEE 802.11ac_20	MCS 0	149		1.317	1.358	96.98	0.9698	0.1332	0.7593
		157		1.317	1.358	96.98	0.9698	0.1332	0.7593
		165		1.316	1.357	96.92	0.9692	0.1359	0.7599
151		0.654		0.696	93.87	0.9387	0.2747	1.5291	
159		0.654		0.696	93.87	0.9387	0.2747	1.5291	
IEEE 802.11ac_80		155		0.325	0.369	88.16	0.8816	0.5473	3.0769

Test Graphs

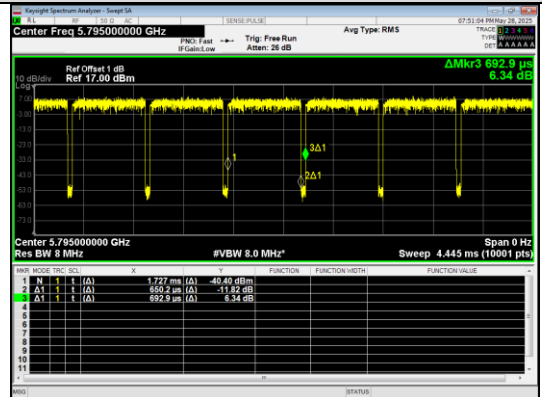
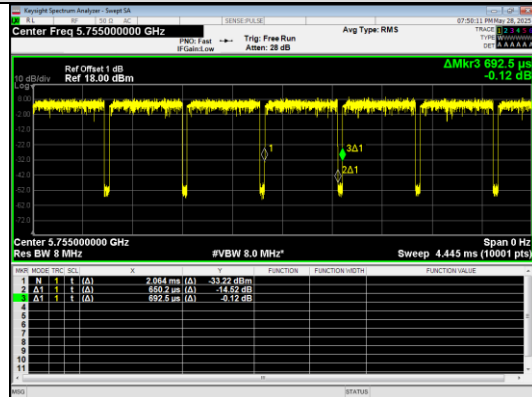




IEEE 802.11n 20MHz_Channel 157

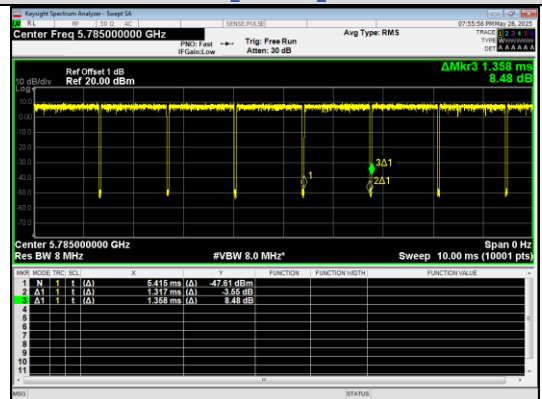
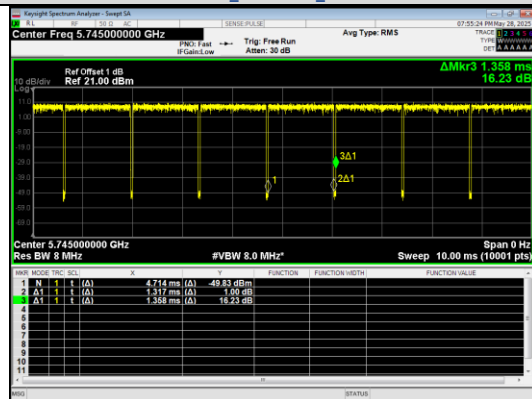


IEEE 802.11n 20MHz_Channel 165



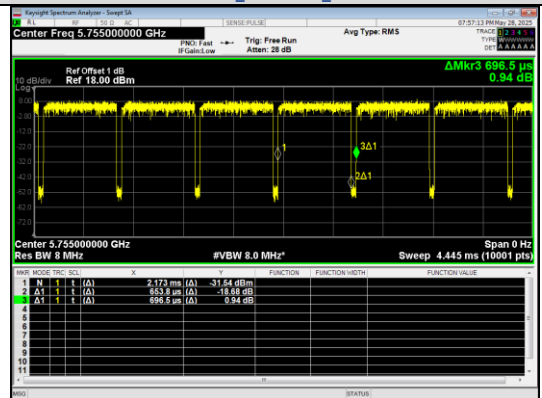
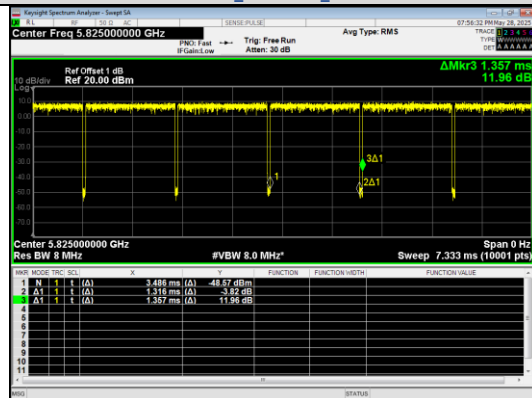
IEEE 802.11n 40MHz_Channel 151

IEEE 802.11n 40MHz_Channel 159



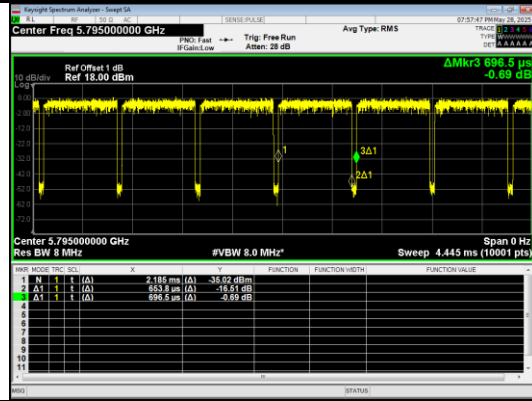
IEEE 802.11ac 20MHz_Channel 149

IEEE 802.11ac 20MHz_Channel 157

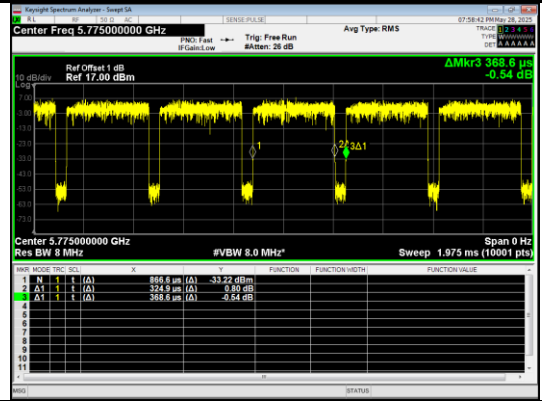


IEEE 802.11ac 20MHz_Channel 165

IEEE 802.11ac 40MHz_Channel 151



IEEE 802.11ac_40MHz_Channel 159



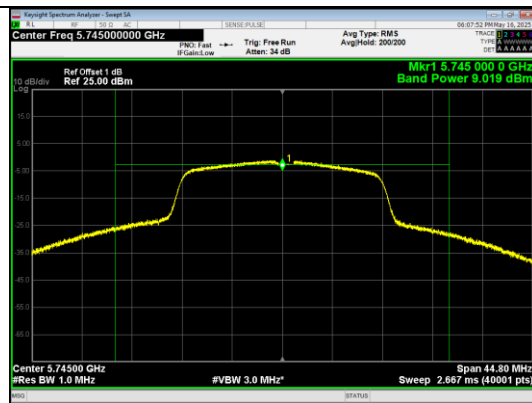
IEEE 802.11ac_80MHz_Channel 155

Conducted Output Power

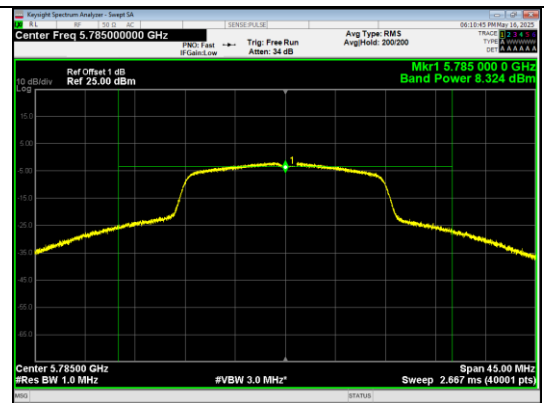
Conducted output power

Mode	Channel	Ant. 0 (dBm)	Corr'd Value Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11a	149	9.02	9.15	≤30	PASS
	157	8.32	8.45	≤30	PASS
	165	8.88	9.01	≤30	PASS
IEEE 802.11n_20	149	8.96	9.1	≤30	PASS
	157	8.21	8.35	≤30	PASS
	165	8.79	8.93	≤30	PASS
IEEE 802.11n_40	151	7.86	8.13	≤30	PASS
	159	7.37	7.64	≤30	PASS
IEEE 802.11ac_20	149	8.99	9.12	≤30	PASS
	157	8.26	8.39	≤30	PASS
	165	7.62	7.75	≤30	PASS
IEEE 802.11ac_40	151	8.42	8.7	≤30	PASS
	159	7.00	7.27	≤30	PASS
IEEE 802.11ac_80	155	7.22	7.76	≤30	PASS

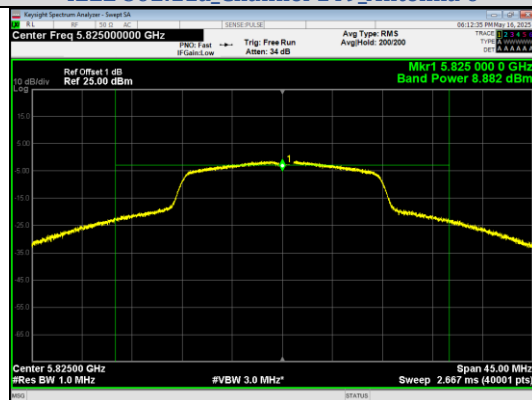
Note: Corr'd Value= Ant. 0 (dBm)+Duty cycle Factor.



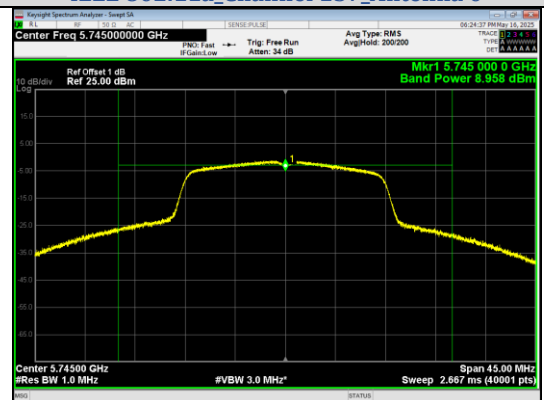
Conducted AVG output power
IEEE 802.11a_Channel 149_Antenna 0



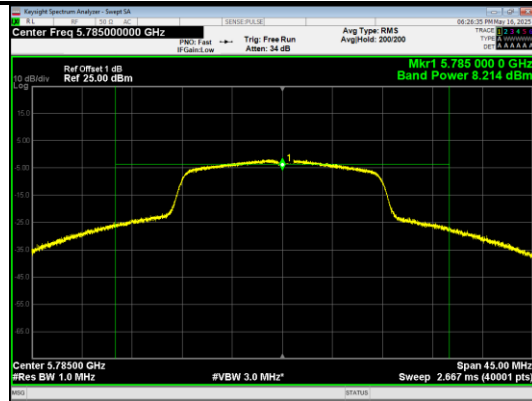
Conducted AVG output power
IEEE 802.11a_Channel 157_Antenna 0



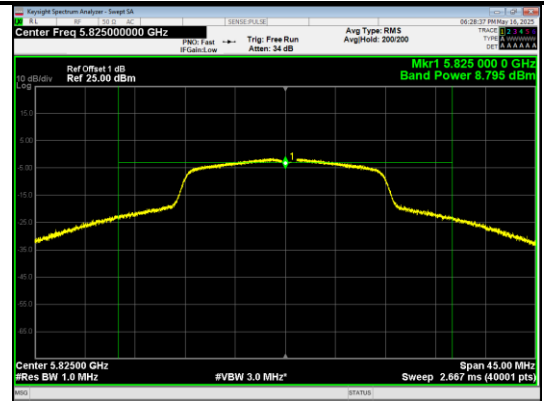
Conducted AVG output power
IEEE 802.11a_Channel 165_Antenna 0



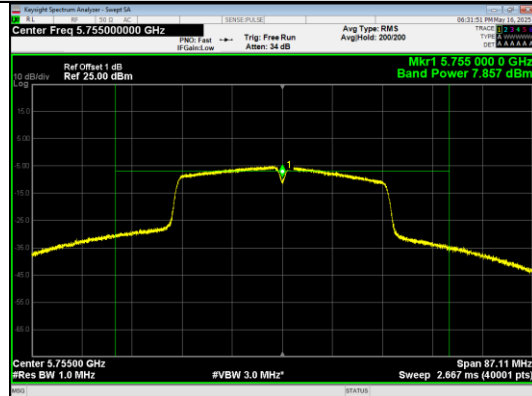
Conducted AVG output power
IEEE 802.11n_20_Channel 149_Antenna 0



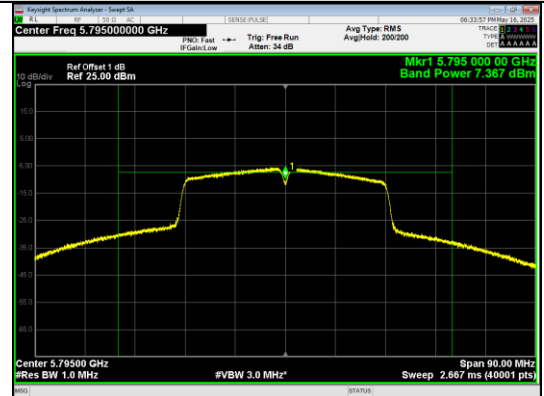
Conducted AVG output power
IEEE 802.11n_20_Channel 157_Antenna 0



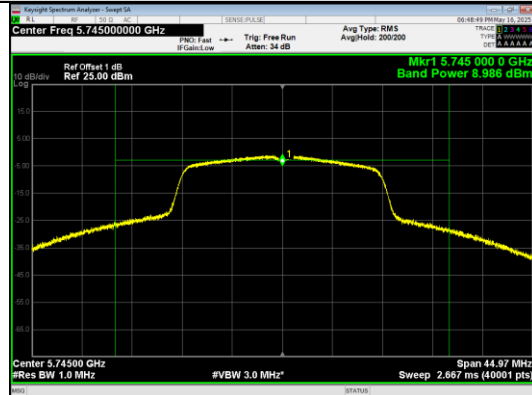
Conducted AVG output power
IEEE 802.11n_20_Channel 165_Antenna 0



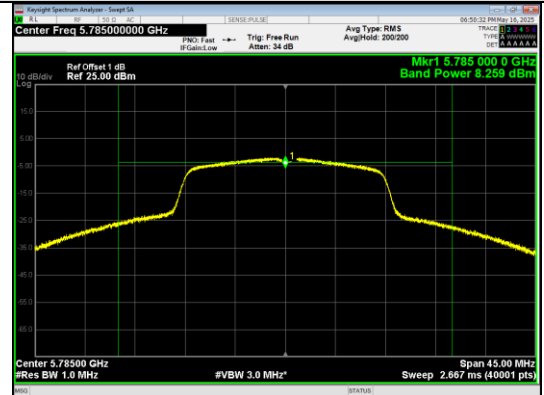
Conducted AVG output power
IEEE 802.11n_40_Channel 151_Antenna 0



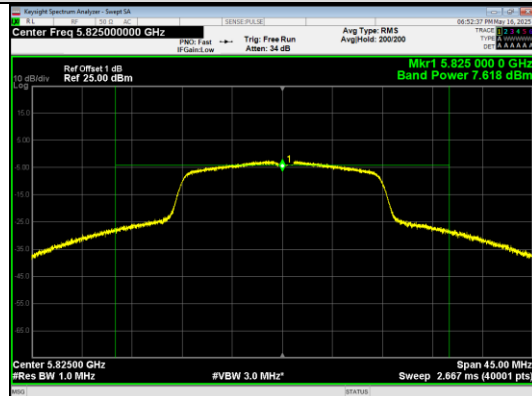
Conducted AVG output power
IEEE 802.11n_40_Channel 159_Antenna 0



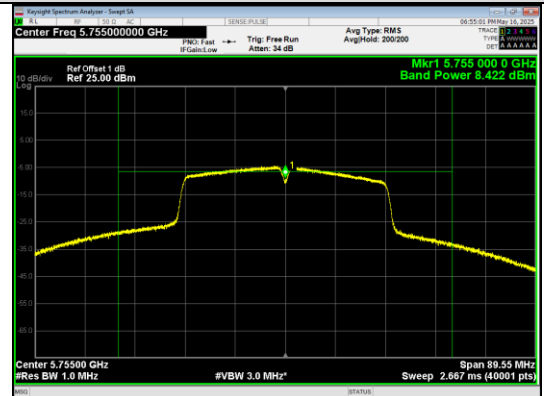
Conducted AVG output power
IEEE 802.11ac_20_Channel 149_Antenna 0



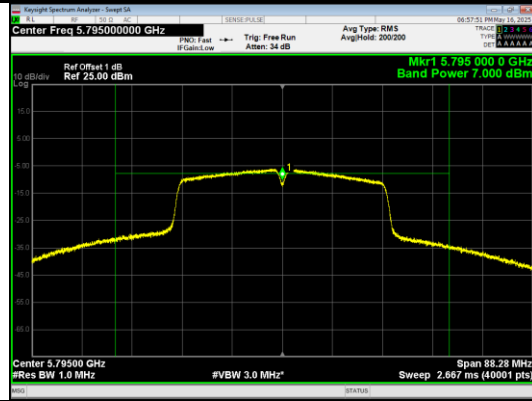
Conducted AVG output power
IEEE 802.11ac_20_Channel 157_Antenna 0



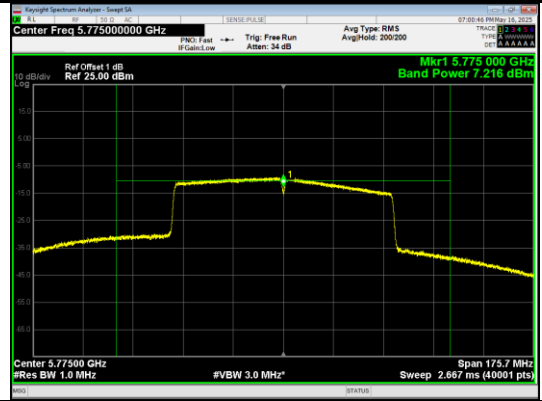
Conducted AVG output power
IEEE 802.11ac_20_Channel 165_Antenna 0



Conducted AVG output power
IEEE 802.11ac_40_Channel 151_Antenna 0



Conducted AVG output power
IEEE 802.11ac_40_Channel 159_Antenna 0

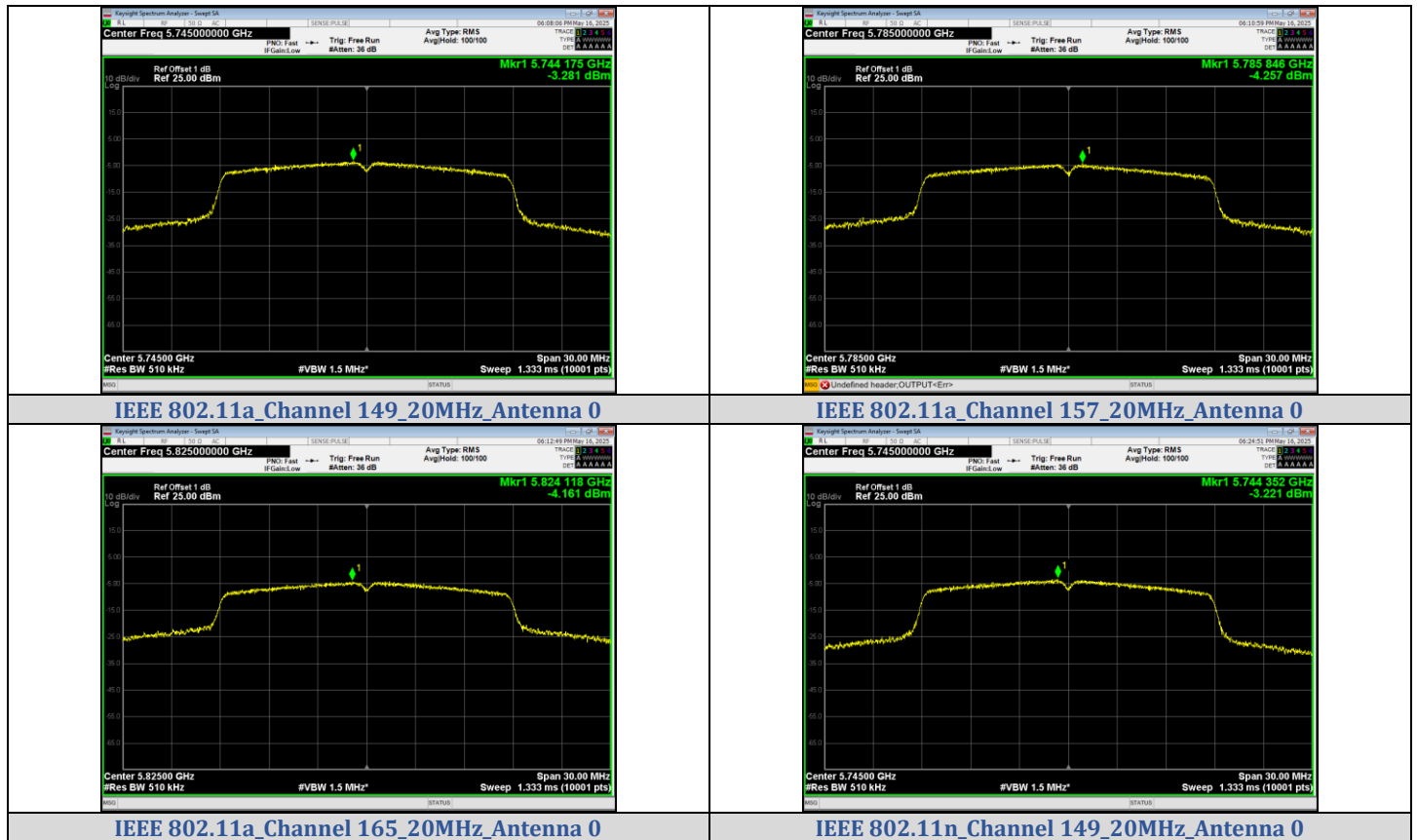


Conducted AVG output power
IEEE 802.11ac_80_Channel 155_Antenna 0

**Peak Power Spectral Density****Test Result**

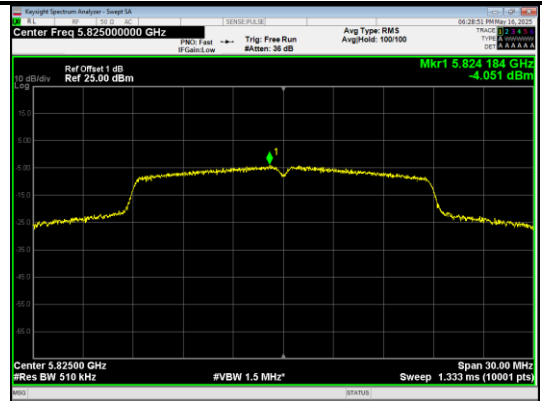
Mode	Channel	Ant. 0 Meas PSD (dBm/MHz or dBm/0.5MHz)	Ant. 0 Corr'd PSD (dBm/MHz or dBm/0.5MHz)	Limit (dBm/MHz or dBm/0.5MHz)	Result
IEEE 802.11a	149	-3.281	-3.152	30	PASS
	157	-4.257	-4.128		PASS
	165	-4.161	-4.032		PASS
IEEE 802.11n_20	149	-3.221	-3.082		PASS
	157	-4.532	-4.393		PASS
	165	-4.051	-3.912		PASS
IEEE 802.11n_40	151	-7.497	-7.221		PASS
	159	-8.114	-7.838		PASS
IEEE 802.11ac_20	149	-3.468	-3.332		PASS
	157	-4.382	-4.246		PASS
	165	-5.194	-5.058		PASS
IEEE 802.11ac_40	151	-6.750	-6.475		PASS
	159	-8.721	-8.446		PASS
IEEE 802.11ac_80	155	-11.590	-11.043		PASS

Note: Corr'd PSD = Meas PSD +Duty cycle Factor+BW factor

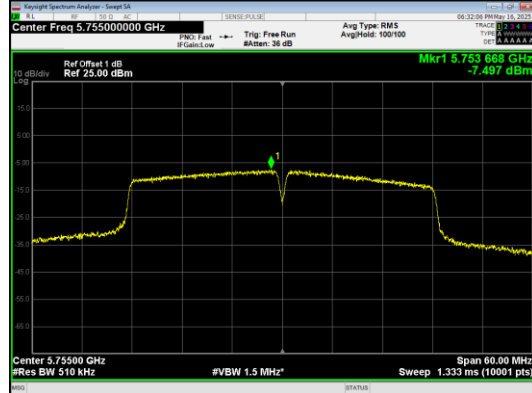
Test Graphs



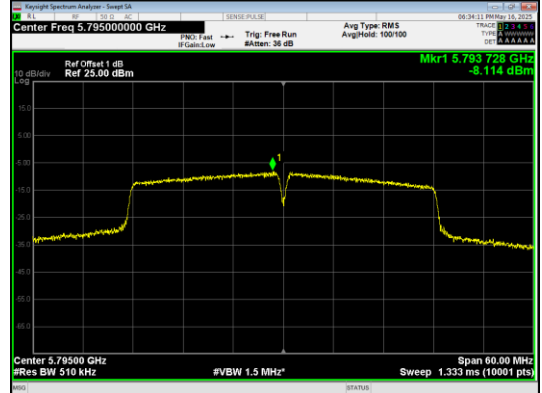
IEEE 802.11n Channel 157 20MHz Antenna 0



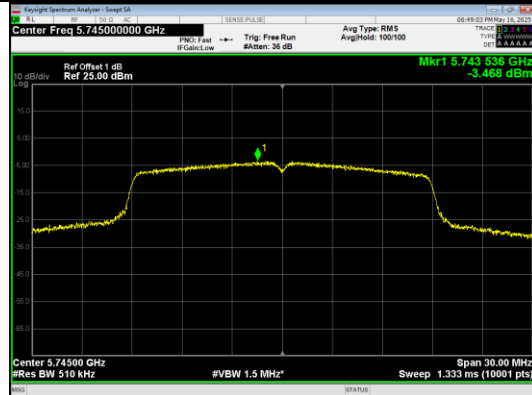
IEEE 802.11n Channel 165 20MHz Antenna 0



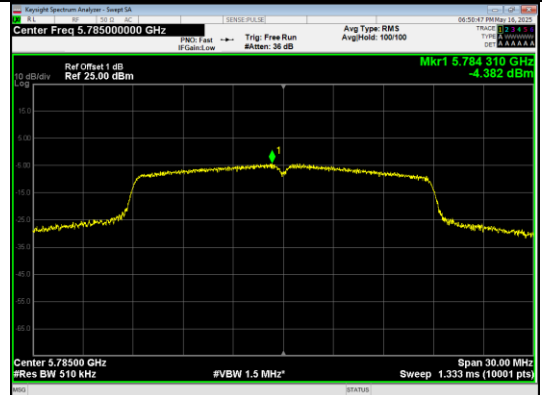
IEEE 802.11n Channel 151 40MHz Antenna 0



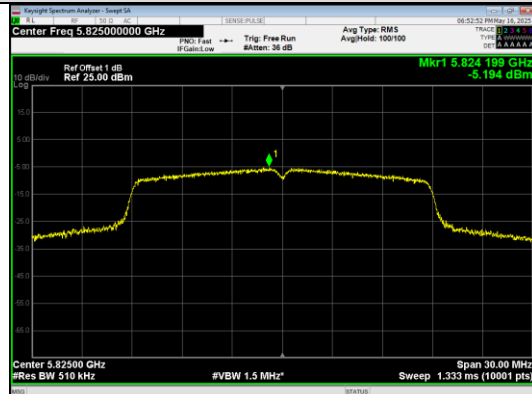
IEEE 802.11n Channel 159 40MHz Antenna 0



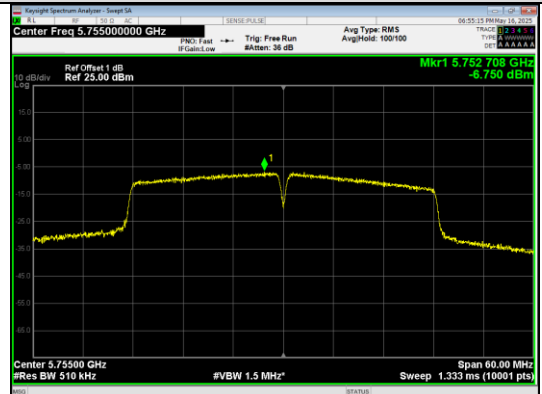
IEEE 802.11ac Channel 149 20MHz Antenna 0



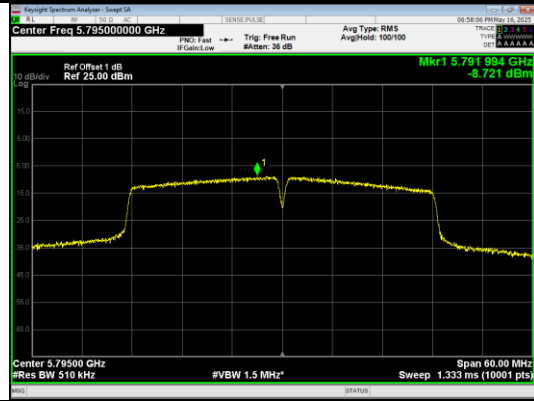
IEEE 802.11ac Channel 157 20MHz Antenna 0



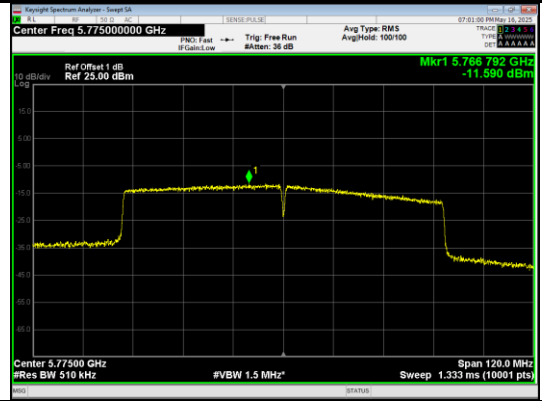
IEEE 802.11ac Channel 165 20MHz Antenna 0



IEEE 802.11ac Channel 151 40MHz Antenna 0



IEEE 802.11ac_Channel 159_40MHz_Antenna 0



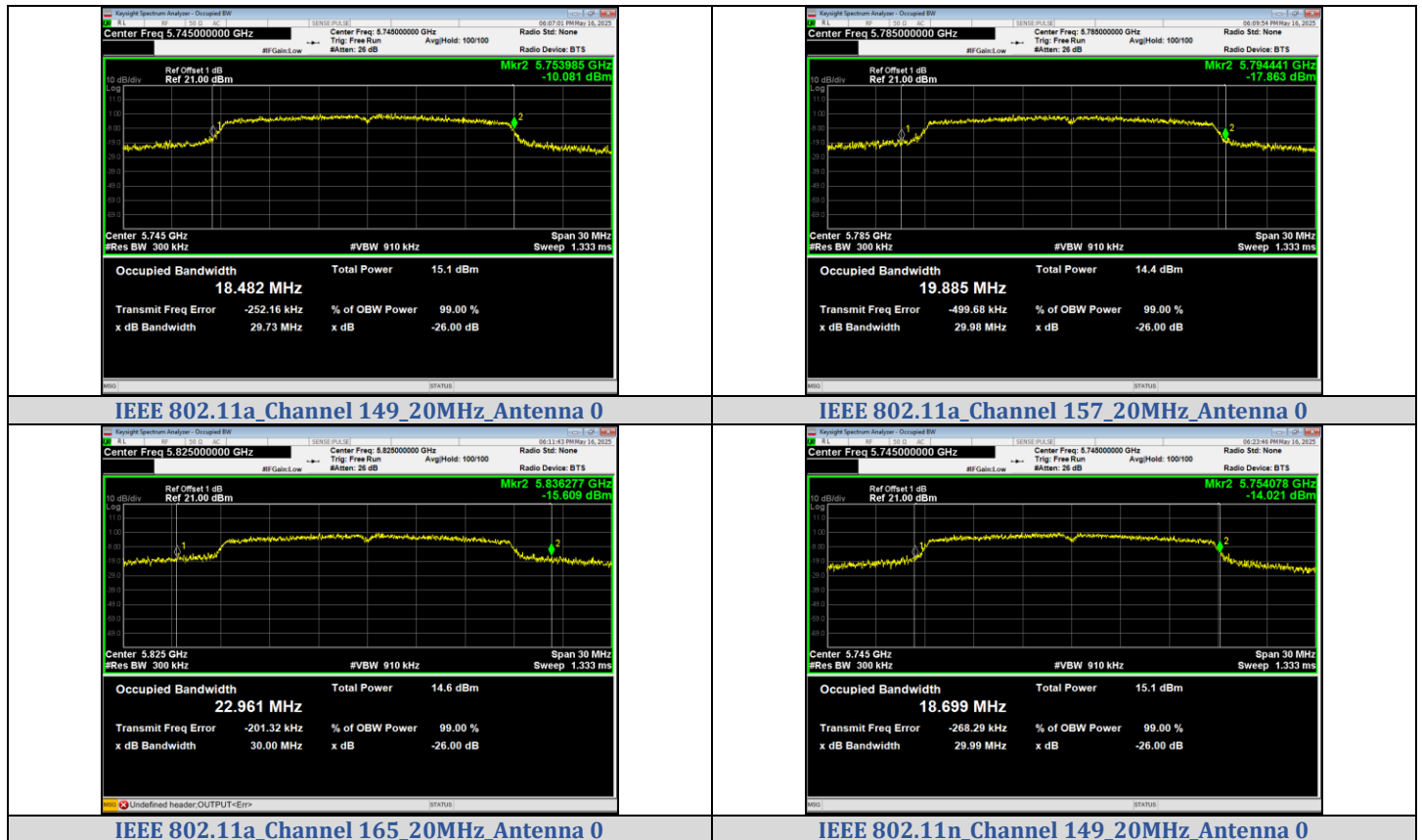
IEEE 802.11ac_Channel 155_80MHz_Antenna 0

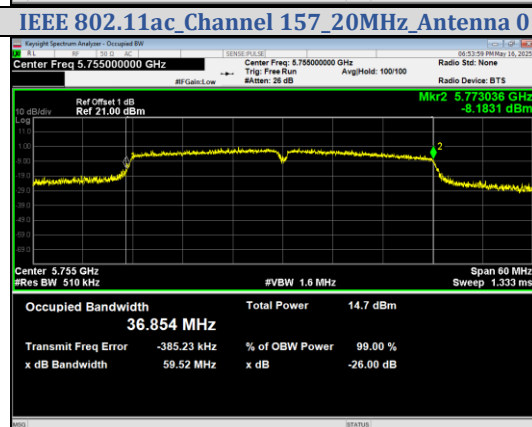
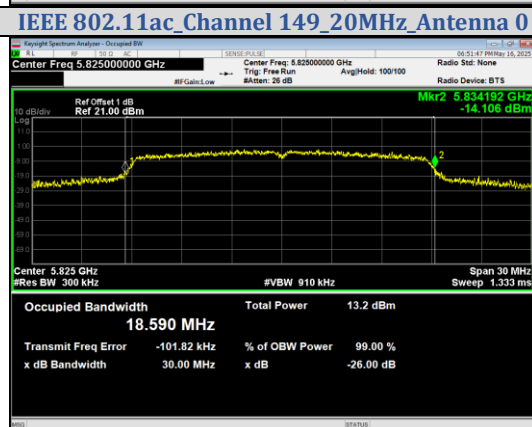
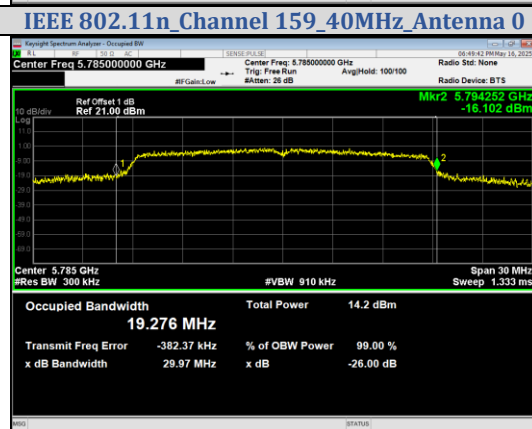
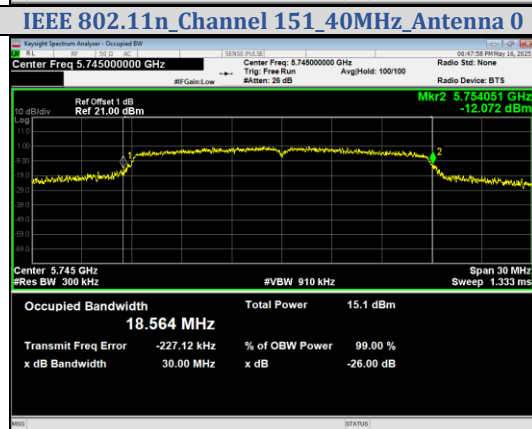
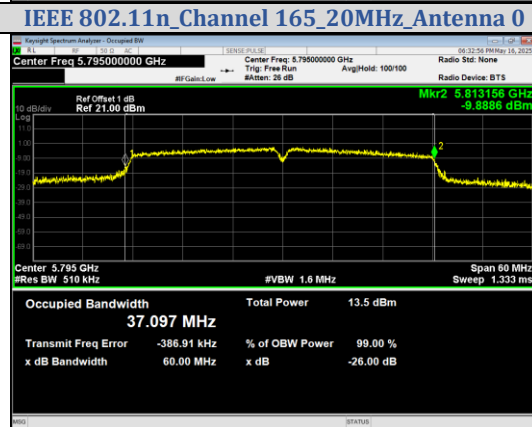
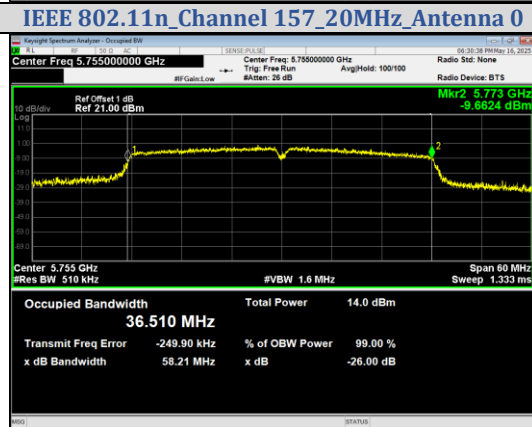
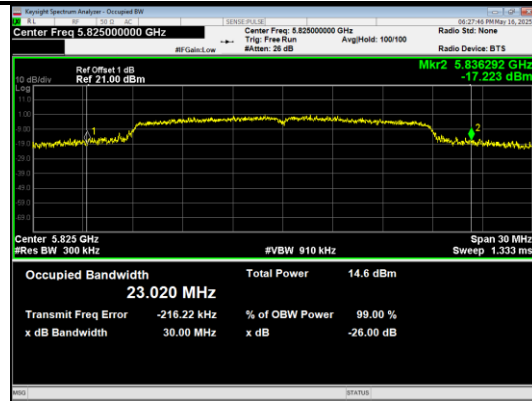
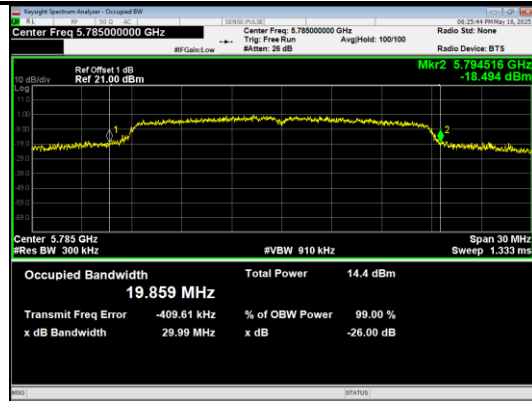
99% Bandwidth

Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11a	149	0	5745	18.482
	157		5785	19.885
	165		5825	22.961
IEEE 802.11n_20	149		5745	18.699
	157		5785	19.859
	165		5825	23.020
IEEE 802.11n_40	151		5755	36.510
	159		5795	37.097
IEEE 802.11ac_20	149		5745	18.564
	157		5785	19.276
	165		5825	18.590
IEEE 802.11ac_40	151		5755	36.854
	159		5795	36.532
IEEE 802.11ac_80	155		5775	76.161

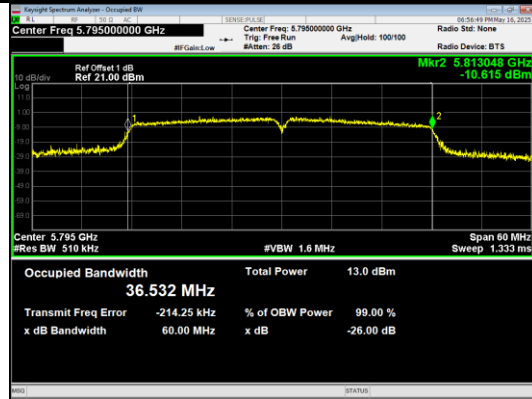
Test Graphs



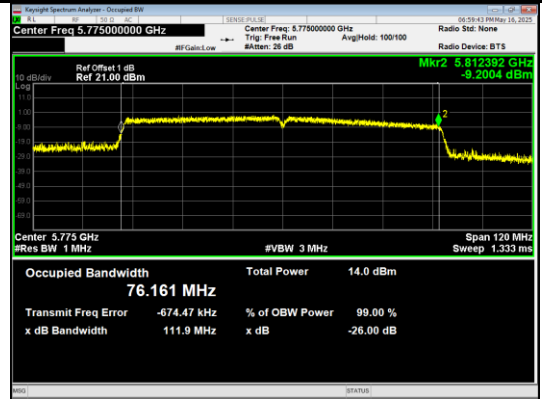


IEEE 802.11ac Channel 165 20MHz Antenna 0

IEEE 802.11ac Channel 151 40MHz Antenna 0



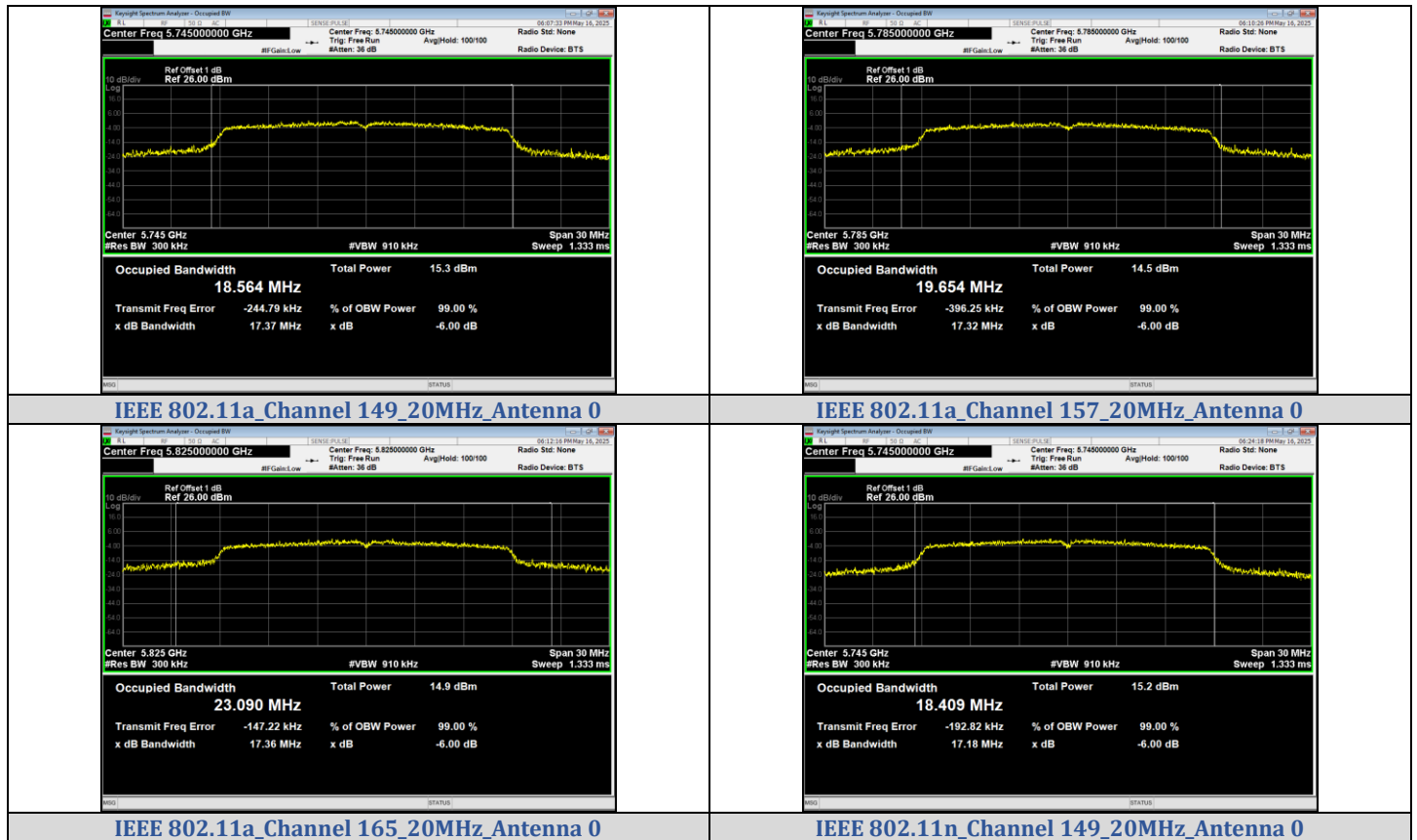
IEEE 802.11ac_Channel 159_40MHz_Antenna 0

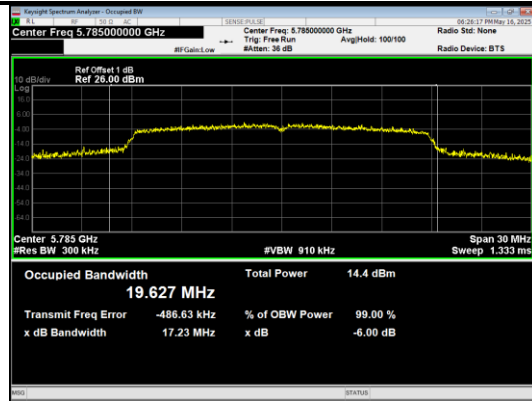


IEEE 802.11ac_Channel 155_80MHz_Antenna 0

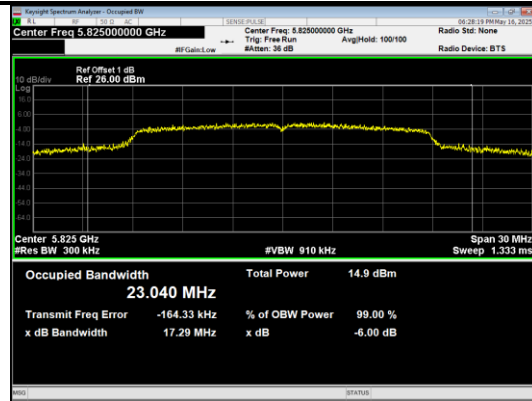
**6dB Bandwidth****Test Result**

Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11a	149	0	5745	17.37	≥0.5	PASS
	157		5785	17.32		PASS
	165		5825	17.36		PASS
IEEE 802.11n_20	149		5745	17.18		PASS
	157		5785	17.23		PASS
	165		5825	17.29		PASS
IEEE 802.11n_40	151		5755	34.87		PASS
	159		5795	36.02		PASS
IEEE 802.11ac_20	149		5745	17.21		PASS
	157		5785	17.09		PASS
	165		5825	17.12		PASS
IEEE 802.11ac_40	151		5755	35.45		PASS
	159		5795	35.14		PASS
IEEE 802.11ac_80	155		5775	72.71		PASS

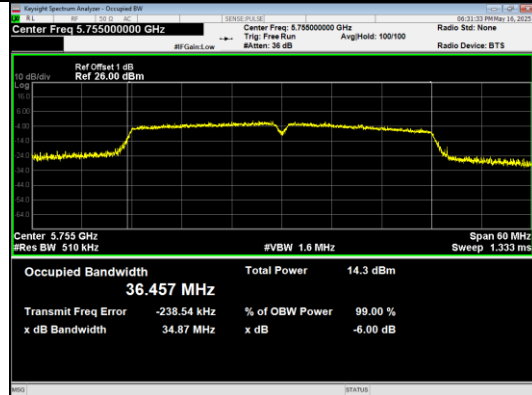
Test Graphs



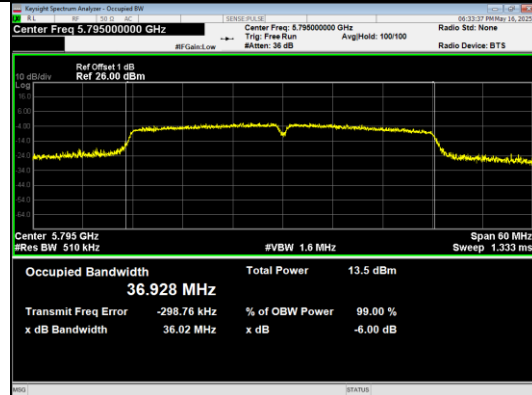
IEEE 802.11n Channel 157 20MHz Antenna 0



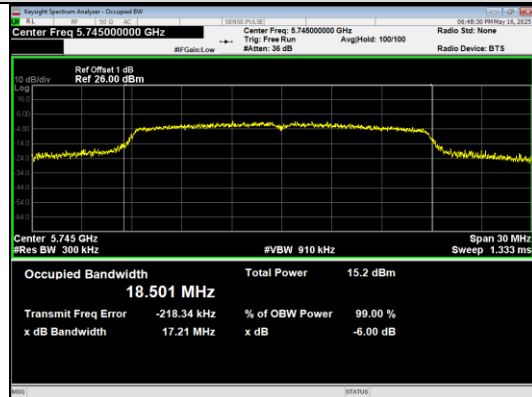
IEEE 802.11n Channel 165 20MHz Antenna 0



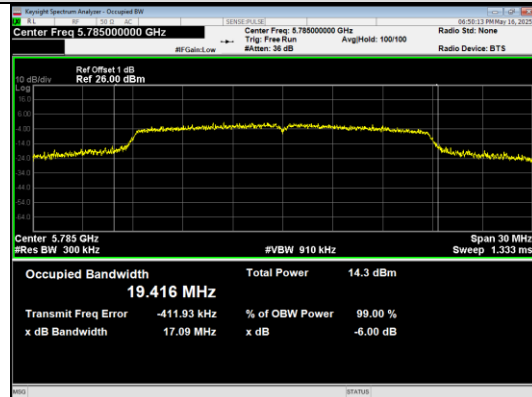
IEEE 802.11n Channel 151 40MHz Antenna 0



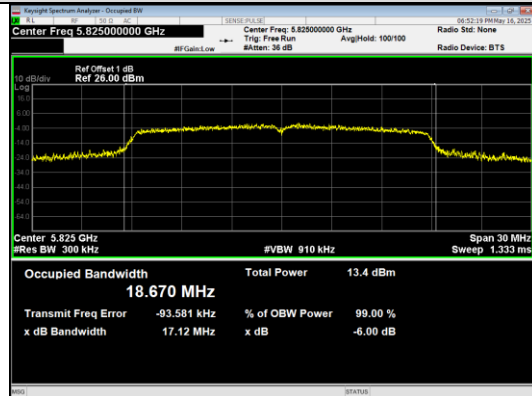
IEEE 802.11n Channel 159 40MHz Antenna 0



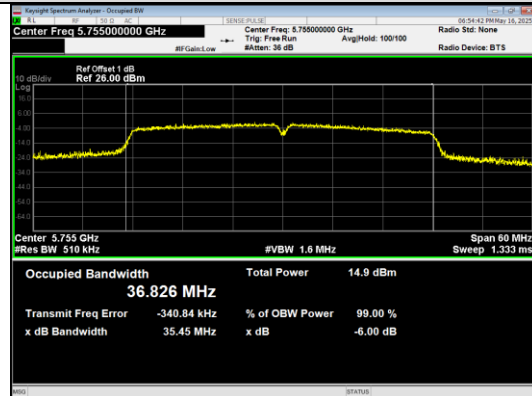
IEEE 802.11ac Channel 149 20MHz Antenna 0



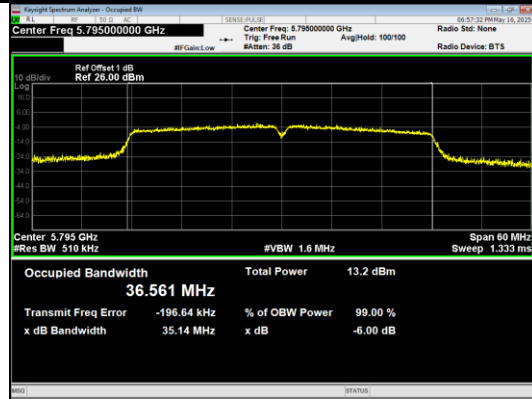
IEEE 802.11ac Channel 157 20MHz Antenna 0



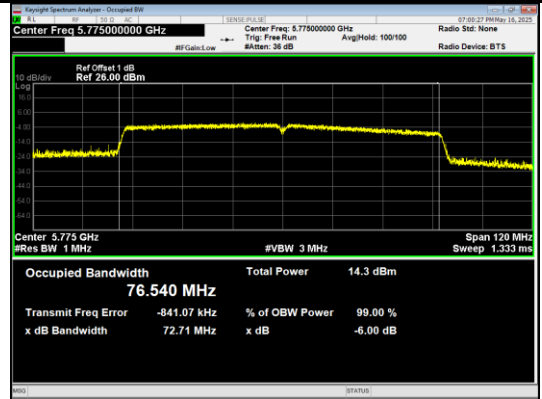
IEEE 802.11ac Channel 165 20MHz Antenna 0



IEEE 802.11ac Channel 151 40MHz Antenna 0



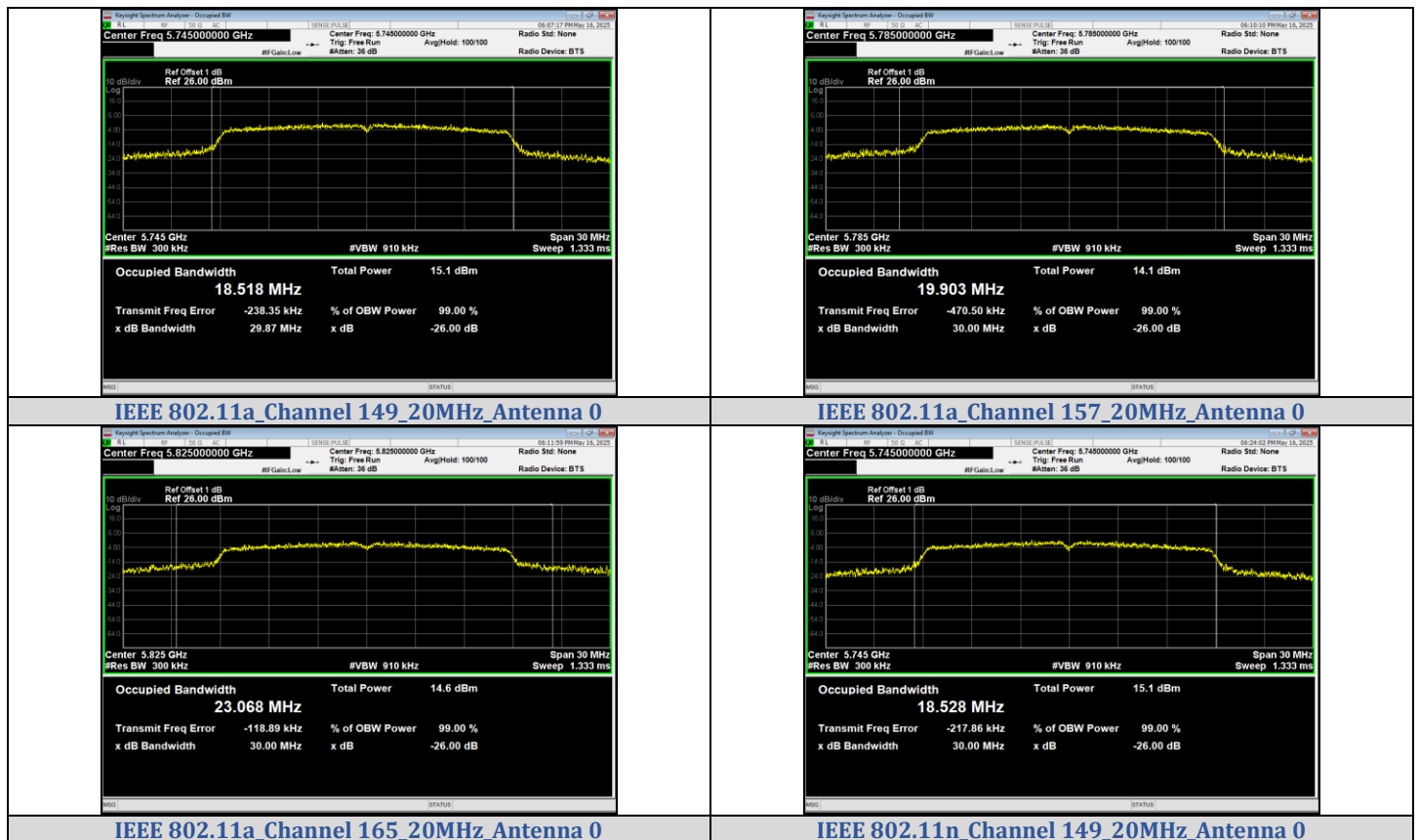
IEEE 802.11ac_Channel 159_40MHz_Antenna 0

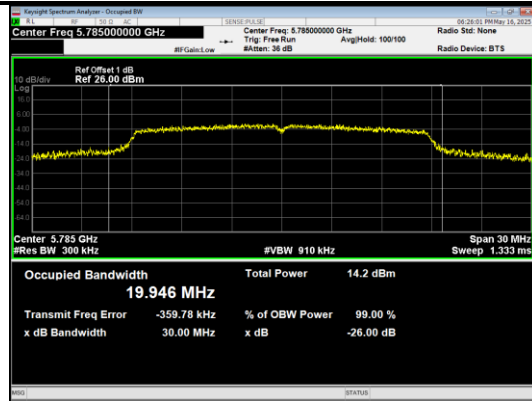


IEEE 802.11ac_Channel 155_80MHz_Antenna 0

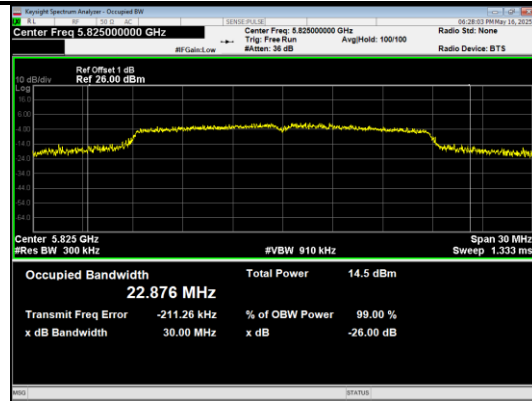
**26dB Bandwidth****Test Result**

Mode	Channel	Ant.	Center Frequency (MHz)	26 dB Bandwidth (MHz)	RBW/EBW
IEEE 802.11a	149	0	5745	29.87	1.0
	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	58.07	1.05
	159		5795	60.00	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	59.70	1.03
	159		5795	58.85	1.05
IEEE 802.11ac_80	155		5775	117.16	1.01

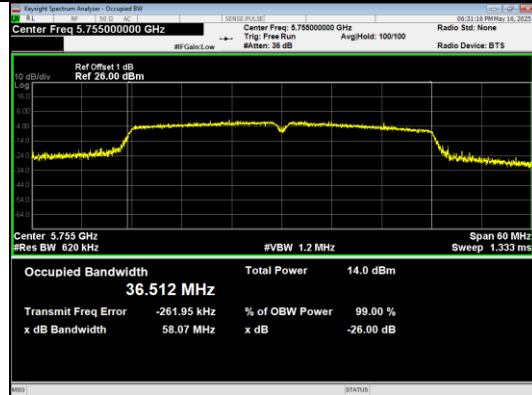
Test Graphs



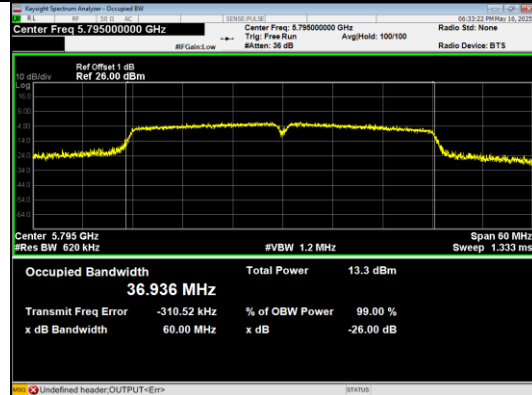
IEEE 802.11n_Channel 157_20MHz_Antenna 0



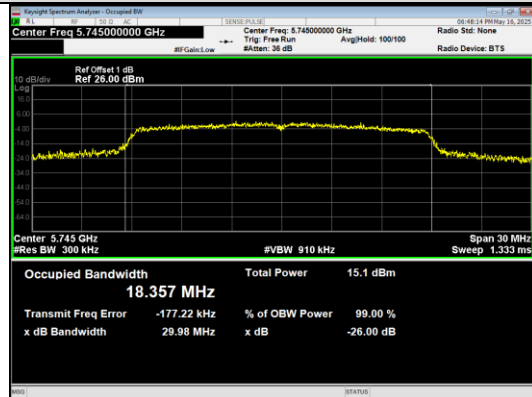
IEEE 802.11n_Channel 165_20MHz_Antenna 0



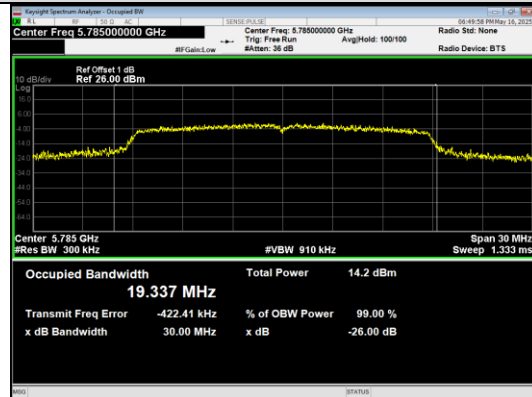
IEEE 802.11n_Channel 151_40MHz_Antenna 0



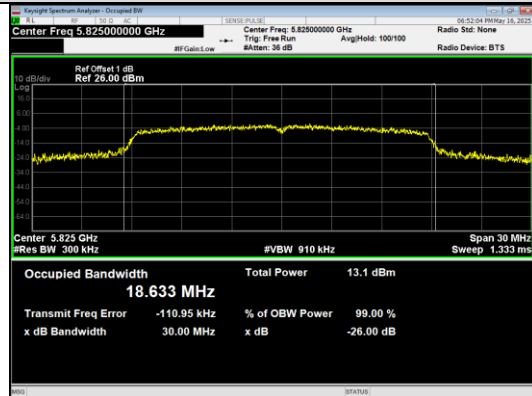
IEEE 802.11n_Channel 159_40MHz_Antenna 0



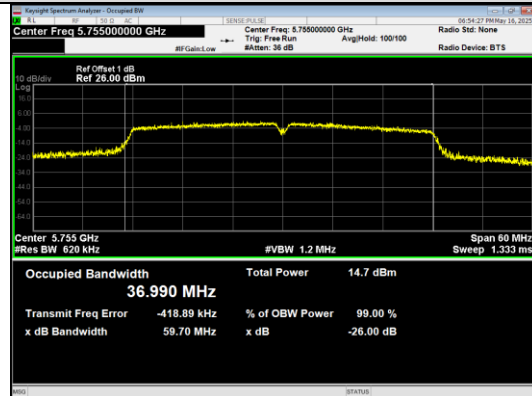
IEEE 802.11ac_Channel 149_20MHz_Antenna 0



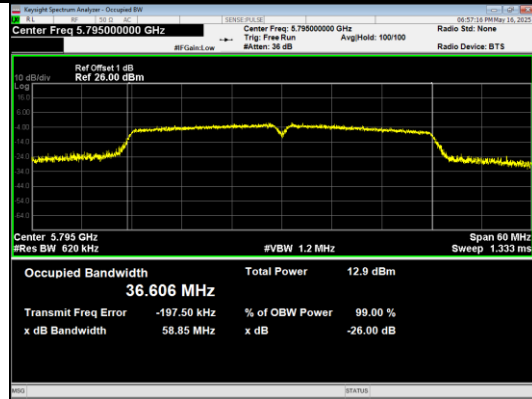
IEEE 802.11ac_Channel 157_20MHz_Antenna 0



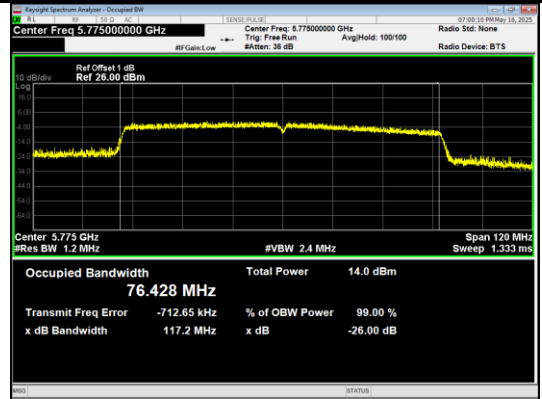
IEEE 802.11ac_Channel 165_20MHz_Antenna 0



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

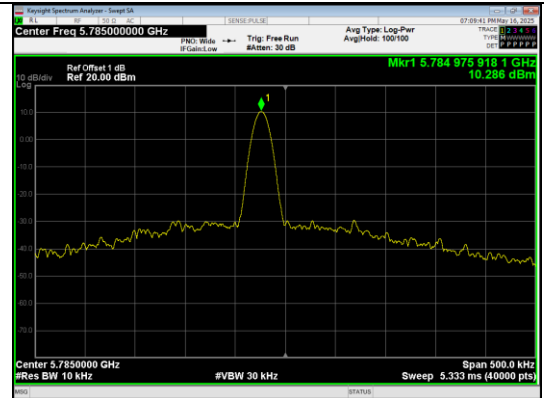
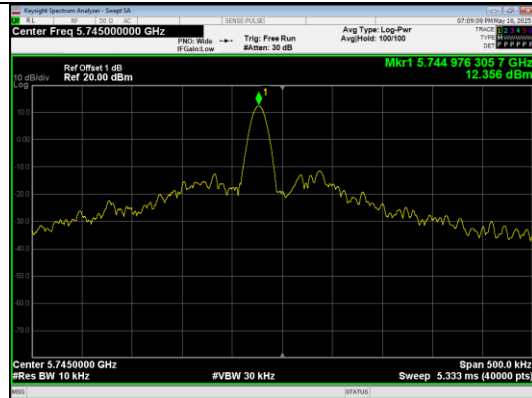
Test Result

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	5744.976306	-4.12	Within authorized band	PASS
		157		5785.0	5784.975918	-4.16		PASS
		165		5825.0	5824.975331	-4.24		PASS
	IEEE 802.11n_20	149		5745.0	5744.977906	-3.85		PASS
		157		5785.0	5784.976506	-4.06		PASS
		165		5825.0	5824.975418	-4.22		PASS
	IEEE 802.11n_40	151		5755.0	5754.975531	-4.25		PASS
		159		5795.0	5794.974731	-4.36		PASS
	IEEE 802.11ac_20	149		5745.0	5744.975056	-4.34		PASS
		157		5785.0	5784.974318	-4.44		PASS
		165		5825.0	5824.974293	-4.41		PASS
	IEEE 802.11ac_40	151		5755.0	5754.975368	-4.28		PASS
		159		5795.0	5794.974856	-4.34		PASS
	IEEE 802.11ac_80	155		5775.0	5774.974981	-4.33		PASS

Test Graphs

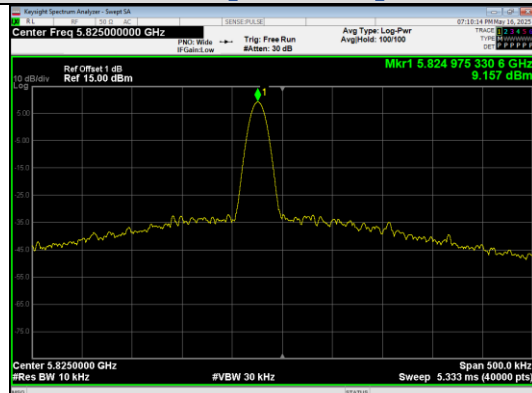
NT/NV

IEEE 802.11a



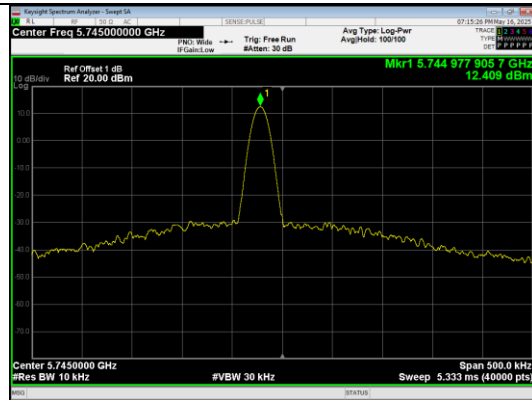
NT/NV_Antenna 0
IEEE 802.11a_Channel 149_20MHz

NT/NV_Antenna 0
IEEE 802.11a_Channel 157_20MHz

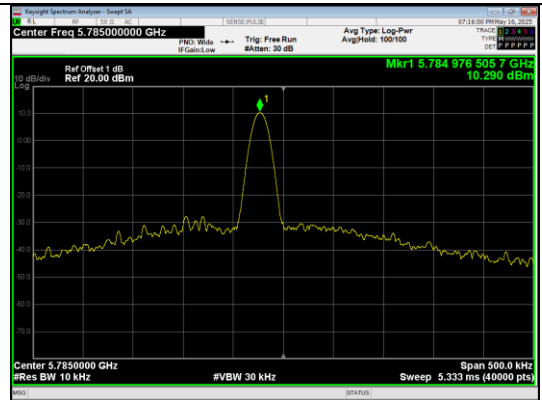


NT/NV_Antenna 0
IEEE 802.11a_Channel 165_20MHz

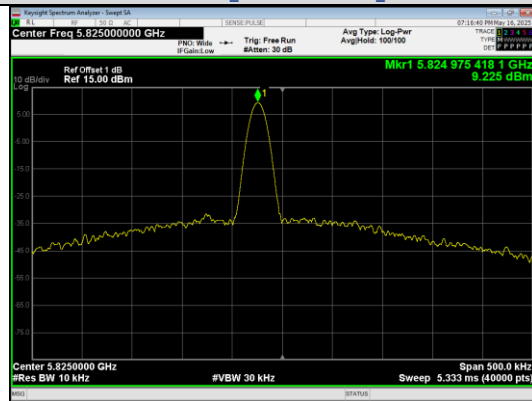
IEEE 802.11n_20



NT/NV_Antenna 0
IEEE 802.11n_Channel 149_20MHz

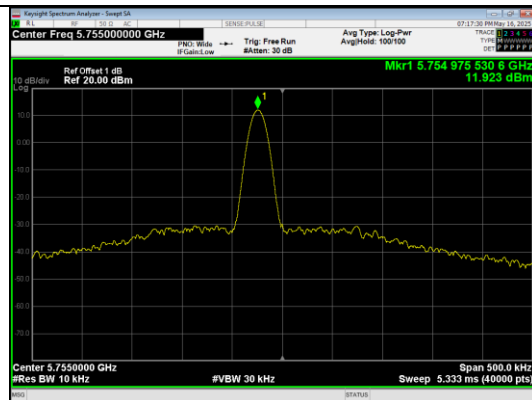


NT/NV_Antenna 0
IEEE 802.11n_Channel 157_20MHz

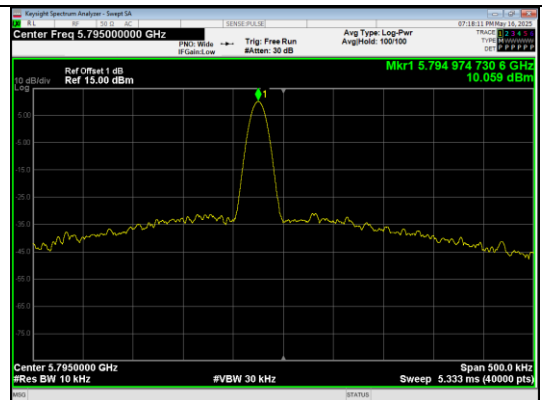


NT/NV_Antenna 0
IEEE 802.11n_Channel 165_20MHz

IEEE 802.11n_40

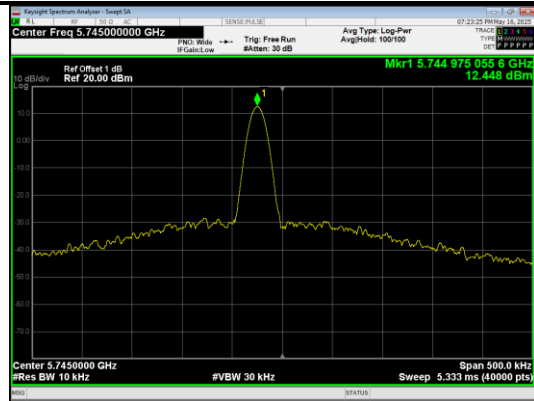


NT/NV_Antenna 0
IEEE 802.11n_Channel 151_40MHz

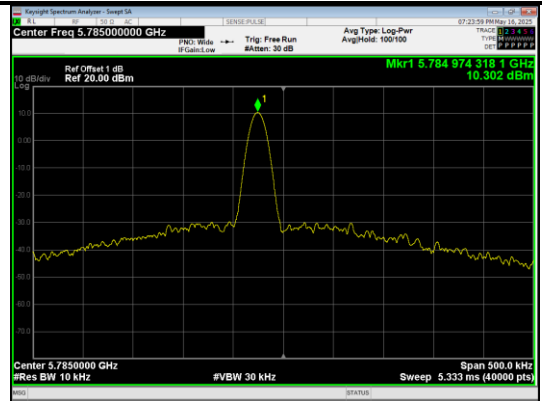


NT/NV_Antenna 0
IEEE 802.11n_Channel 159_40MHz

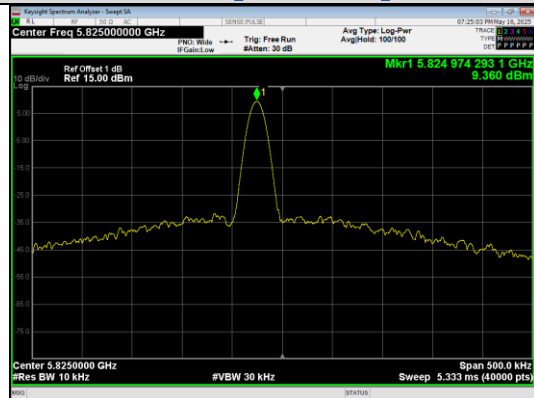
IEEE 802.11ac_20



NT/NV_Antenna 0
IEEE 802.11ac_Channel 149_20MHz

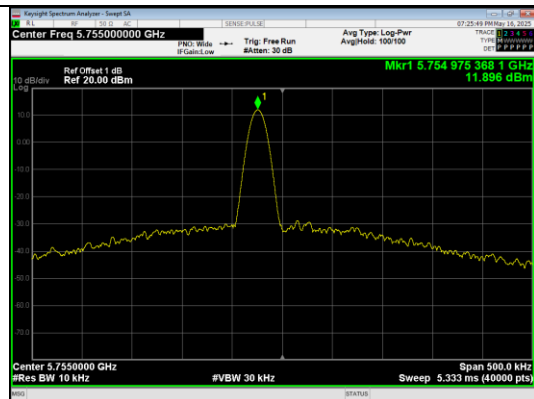


NT/NV_Antenna 0
IEEE 802.11ac_Channel 157_20MHz

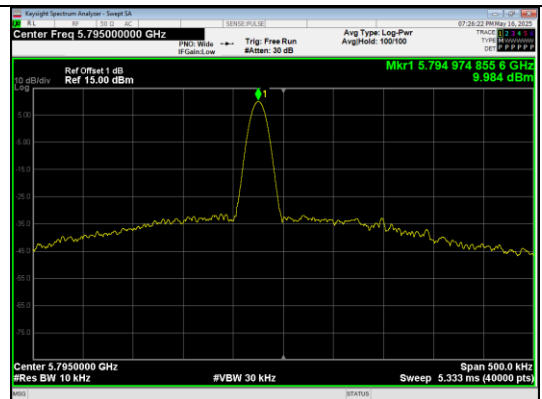


NT/NV_Antenna 0
IEEE 802.11ac_Channel 165_20MHz

IEEE 802.11ac_40

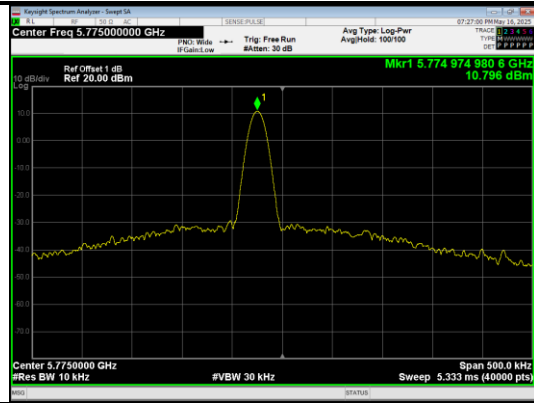


NT/NV_Antenna 0
IEEE 802.11ac_Channel 151_40MHz



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 *****