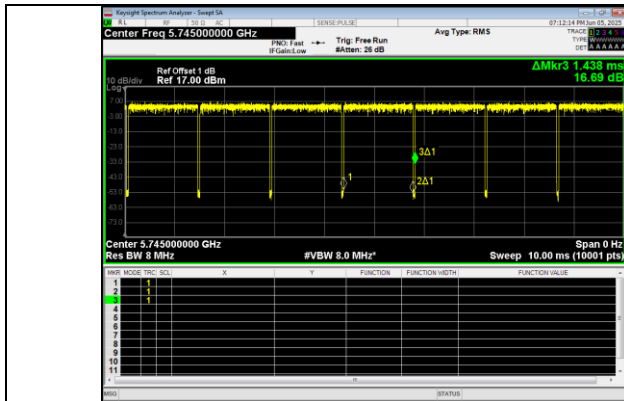


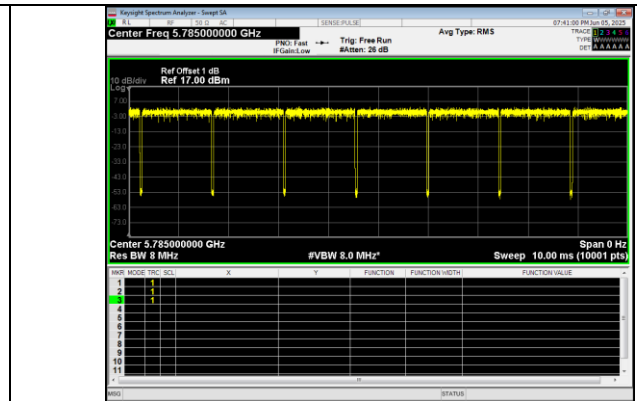
Duty Cycle Test Result

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	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	1.437	97.15	0.9715	0.1256	0.7163
IEEE 802.11n_20	149	1.303		1.345	96.89	0.9689	0.1372	0.7675	
	157	1.302		1.345	96.84	0.9684	0.1395	0.7680	
	165	1.303		1.346	96.84	0.9684	0.1395	0.7675	
IEEE 802.11n_40	151	0.650		0.693	93.84	0.9384	0.2761	1.5385	
	159	0.650		0.693	93.84	0.9384	0.2761	1.5385	
IEEE 802.11ac_20	MCS 0	149		1.316	1.357	96.92	0.9692	0.1359	0.7599
		157		1.315	1.357	96.87	0.9687	0.1381	0.7605
		165		1.316	1.357	96.98	0.9698	0.1332	0.7599
151		0.654		0.696	93.87	0.9387	0.2747	1.5291	
159		0.654		0.697	93.88	0.9388	0.2743	1.5291	
IEEE 802.11ac_40		155		0.325	0.369	88.21	0.8821	0.5448	3.0769
IEEE 802.11ac_80									

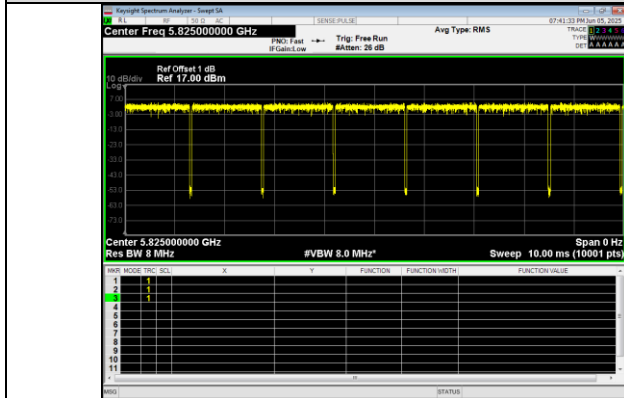
Test Graphs



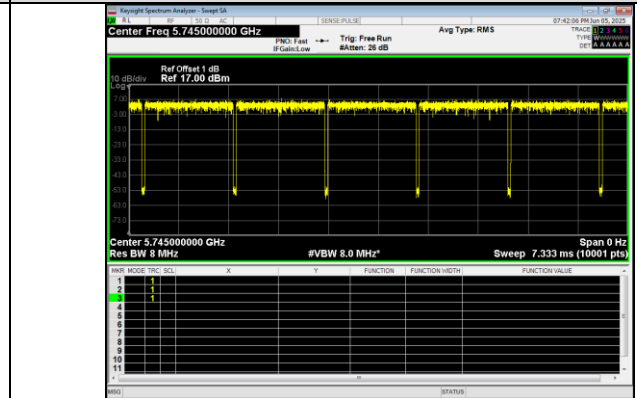
IEEE 802.11a_20MHz_Channel 149



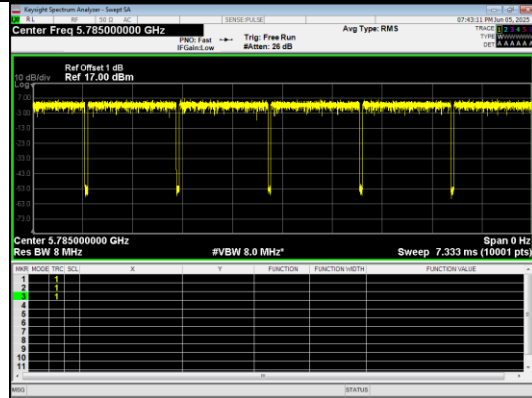
IEEE 802.11a_20MHz_Channel 157



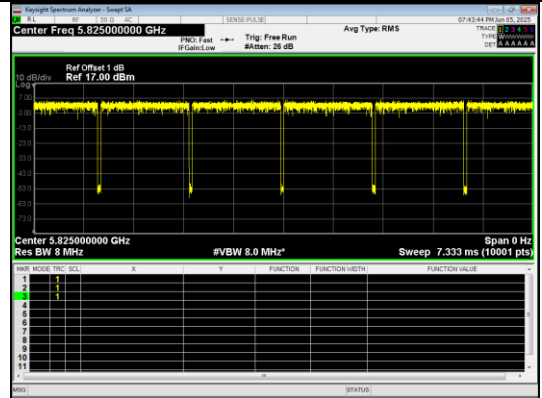
IEEE 802.11a_20MHz_Channel 165



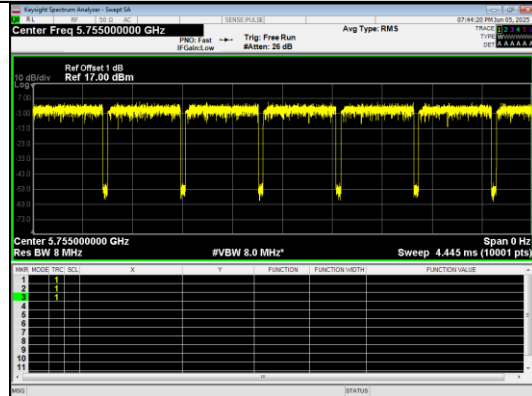
IEEE 802.11n_20MHz_Channel 149



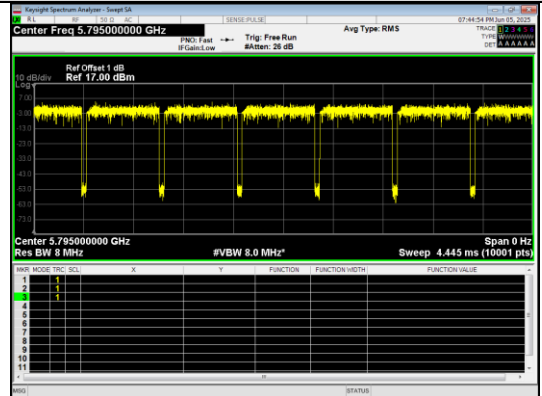
IEEE 802.11n_20MHz_Channel 157



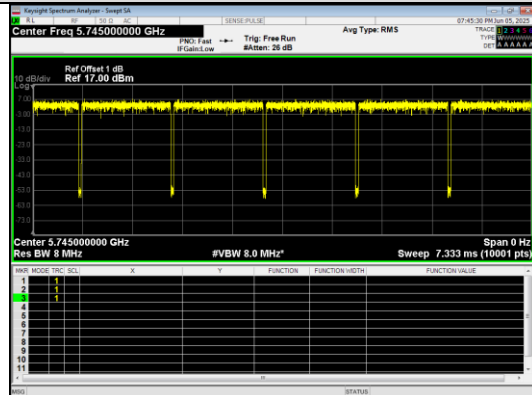
IEEE 802.11n_20MHz_Channel 165



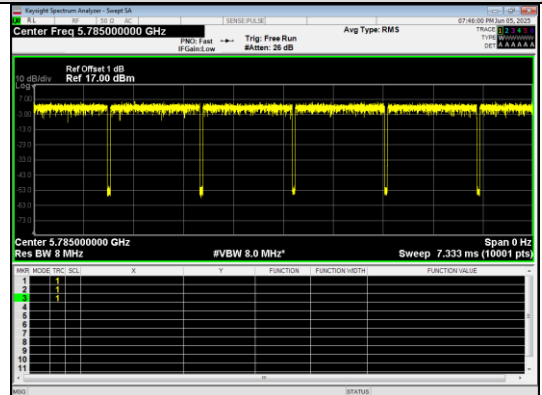
IEEE 802.11n_40MHz_Channel 151



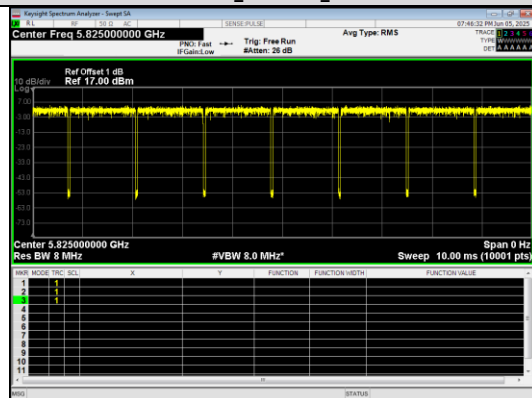
IEEE 802.11n_40MHz_Channel 159



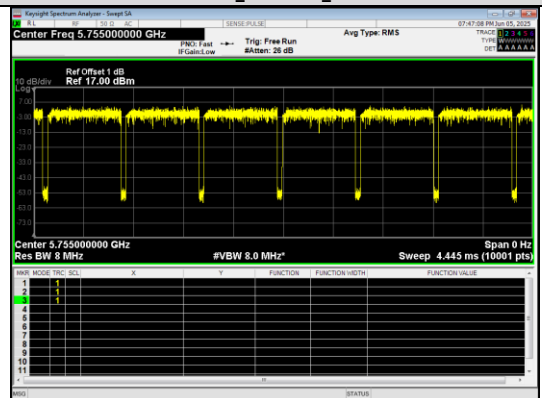
IEEE 802.11ac_20MHz_Channel 149



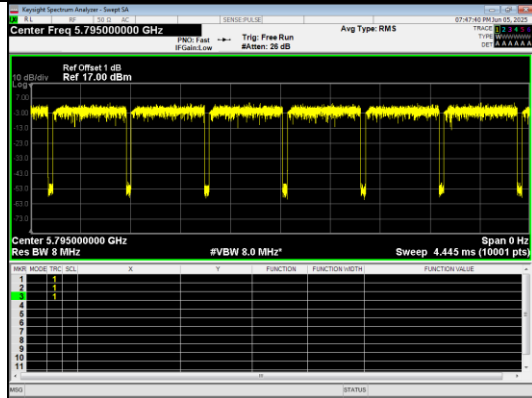
IEEE 802.11ac_20MHz_Channel 157



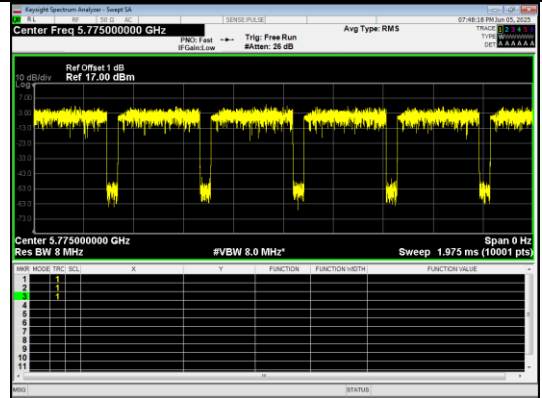
IEEE 802.11ac_40MHz_Channel 151



IEEE 802.11ac_20MHz_Channel 165



IEEE 802.11ac_40MHz_Channel 159



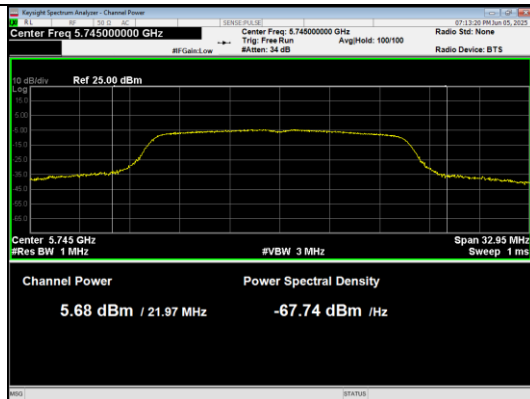
IEEE 802.11ac_80MHz_Channel 155

Conducted Output Power

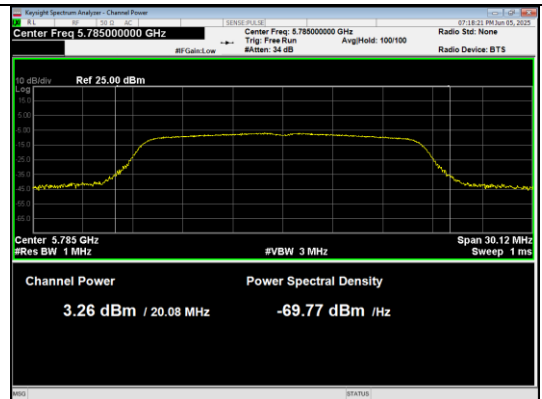
Conducted output power

Mode	Channel	Ant. 0 (dBm)	Corr'd Value Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11a	149	5.68	5.81	≤30	PASS
	157	3.26	3.39	≤30	PASS
	165	3.52	3.65	≤30	PASS
IEEE 802.11n_20	149	4.58	4.72	≤30	PASS
	157	4.01	4.15	≤30	PASS
	165	4.50	4.64	≤30	PASS
IEEE 802.11n_40	151	4.27	4.55	≤30	PASS
	159	4.55	4.83	≤30	PASS
IEEE 802.11ac_20	149	4.66	4.80	≤30	PASS
	157	3.90	4.04	≤30	PASS
	165	4.49	4.62	≤30	PASS
IEEE 802.11ac_40	151	4.05	4.32	≤30	PASS
	159	4.92	5.19	≤30	PASS
IEEE 802.11ac_80	155	3.38	3.92	≤30	PASS

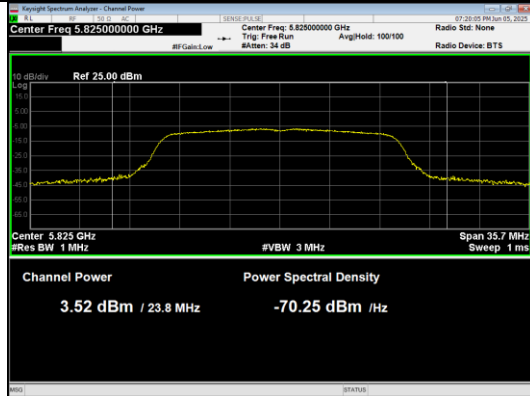
Note: Corr'd Value= Ant. 0 (dBm)+Duty cycle Factor.



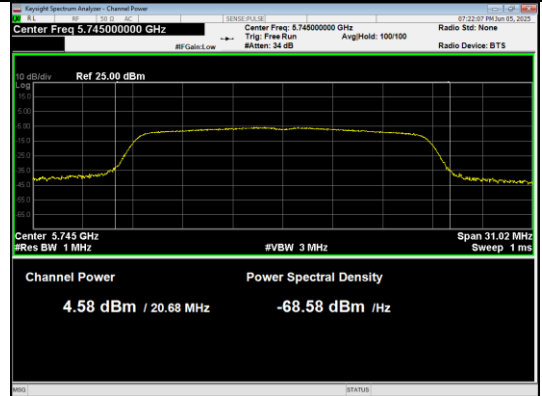
Conducted AVG output power
IEEE 802.11a_Channel 149_Antenna 0



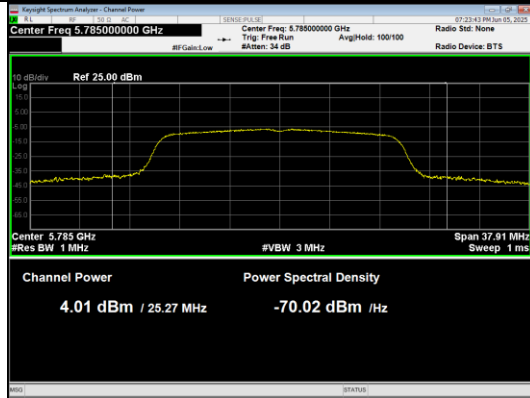
Conducted AVG output power
IEEE 802.11a_Channel 157_Antenna 0



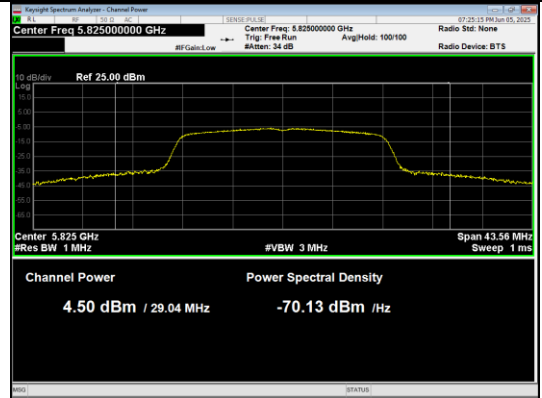
Conducted AVG output power
IEEE 802.11a_Channel 165_Antenna 0



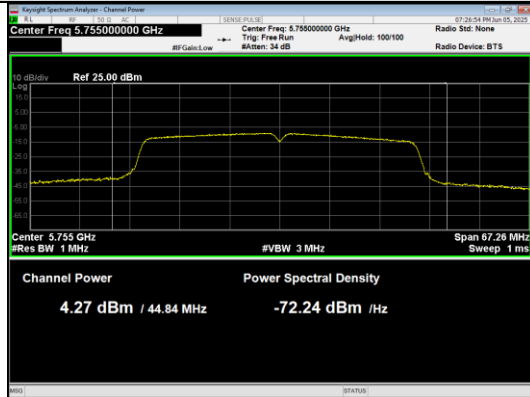
Conducted AVG output power
IEEE 802.11n_20_Channel 149_Antenna 0



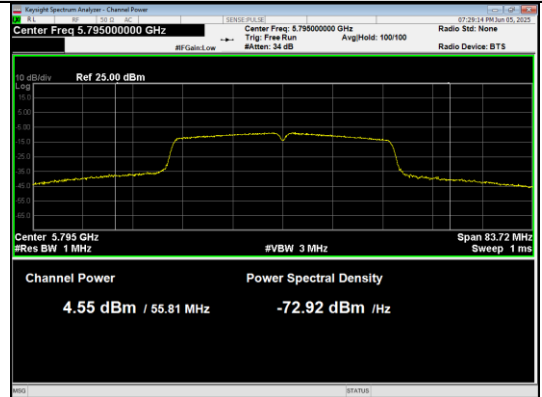
Conducted AVG output power
 IEEE 802.11n_20_Channel 157_Antenna 0



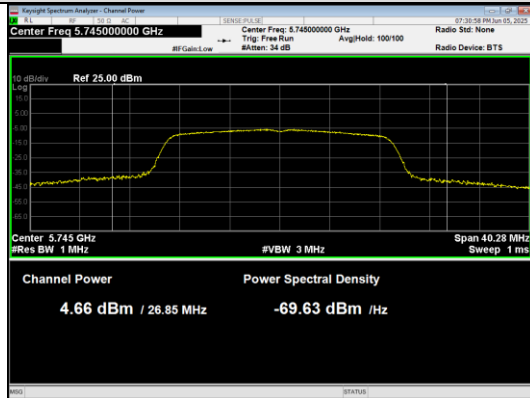
Conducted AVG output power
 IEEE 802.11n_20_Channel 165_Antenna 0



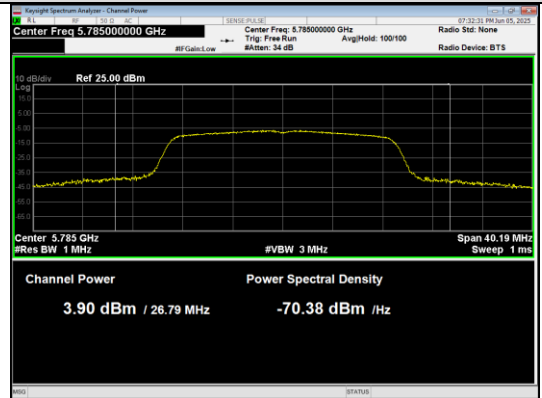
Conducted AVG output power
 IEEE 802.11n_40_Channel 151_Antenna 0



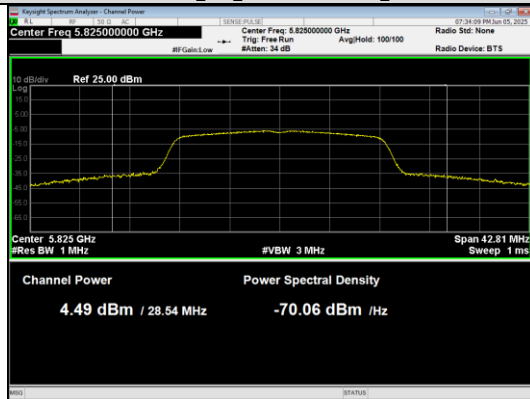
Conducted AVG output power
 IEEE 802.11n_40_Channel 159_Antenna 0



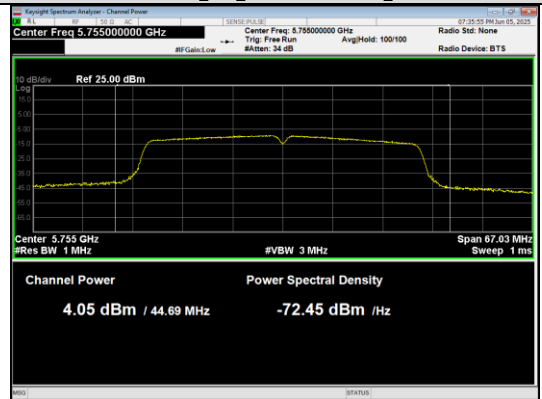
Conducted AVG output power
 IEEE 802.11ac_20_Channel 149_Antenna 0



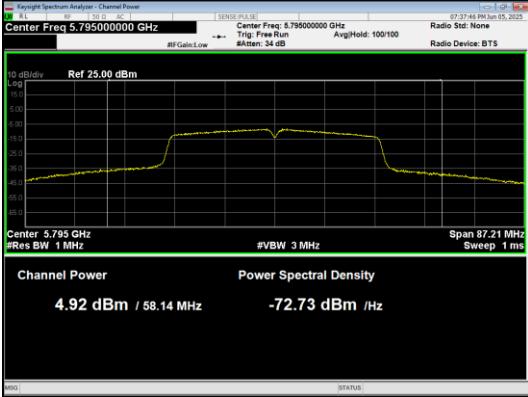
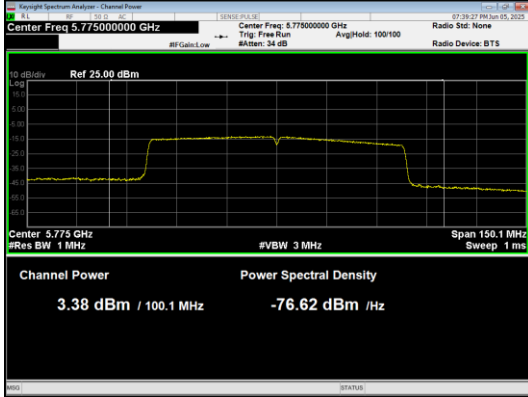
Conducted AVG output power
 IEEE 802.11ac_20_Channel 157_Antenna 0



Conducted AVG output power



Conducted AVG output power

IEEE 802.11ac_20_Channel 165_Antenna 0	IEEE 802.11ac_40_Channel 151_Antenna 0
 Center Freq 5.795000000 GHz Center Freq 5.795000000 GHz T Trig: Free Run Avg/Hold: 100/100 Radio Std: None Radio Device: BTS Ref 25.00 dBm Center 5.795 GHz #Res BW 1 MHz #VBW 3 MHz Span 97.21 MHz Sweep 1 ms Channel Power 4.92 dBm / 58.14 MHz Power Spectral Density -72.73 dBm / Hz	 Center Freq 5.775000000 GHz Center Freq 5.775000000 GHz T Trig: Free Run Avg/Hold: 100/100 Radio Std: None Radio Device: BTS Ref 25.00 dBm Center 5.775 GHz #Res BW 1 MHz #VBW 3 MHz Span 150.1 MHz Sweep 1 ms Channel Power 3.38 dBm / 100.1 MHz Power Spectral Density -76.62 dBm / Hz
Conducted AVG output power IEEE 802.11ac_40_Channel 159_Antenna 0	Conducted AVG output power IEEE 802.11ac_80_Channel 155_Antenna 0

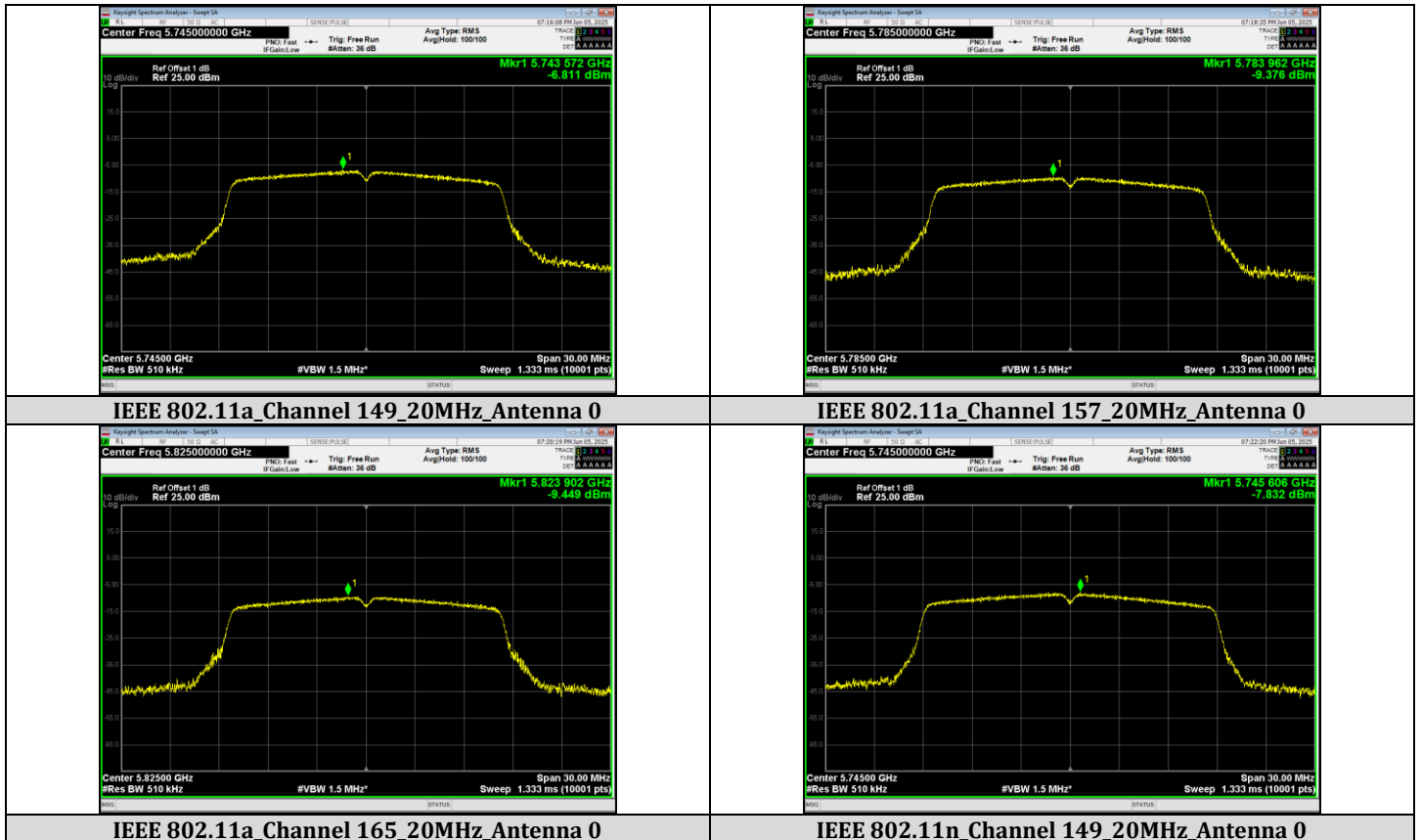
Peak Power Spectral Density

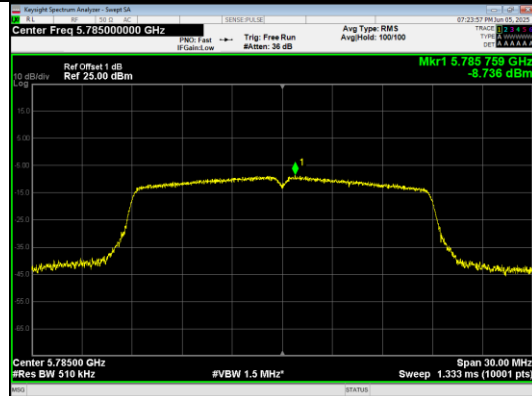
Test Result

Mode	Channel	Ant. 0 Meas PSD (dBm/MHz or dBm/0.51MHz)	Ant. 0 Corr'd PSD (dBm/MHz or dBm/0.5MHz)	Limit (dBm/MHz or dBm/0.5MHz)	Result
IEEE 802.11a	149	-6.811	-6.768	30	PASS
	157	-9.376	-9.336		PASS
	165	-9.449	-9.409		PASS
IEEE 802.11n_20	149	-7.832	-7.781		PASS
	157	-8.736	-8.683		PASS
	165	-8.472	-8.419		PASS
IEEE 802.11n_40	151	-11.227	-11.037		PASS
	159	-10.931	-10.741		PASS
IEEE 802.11ac_20	149	-7.776	-7.726		PASS
	157	-8.979	-8.927		PASS
	165	-8.222	-8.175		PASS
IEEE 802.11ac_40	151	-11.187	-10.998		PASS
	159	-10.599	-10.411		PASS
IEEE 802.11ac_80	155	-15.458	-14.999		PASS

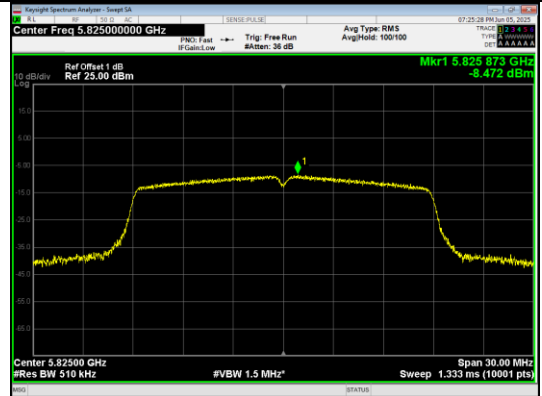
Note: Corr'd PSD = Meas PSD +Duty cycle Factor- BW factor($10 \cdot \log(510/500)$)

Test Graphs

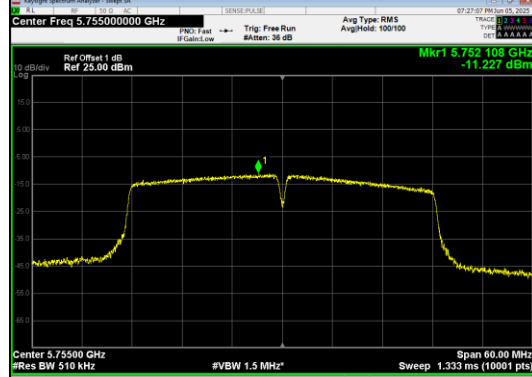




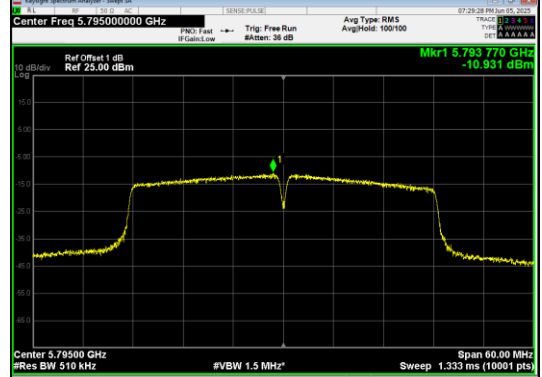
IEEE 802.11n_Channel 157_20MHz_Antenna 0



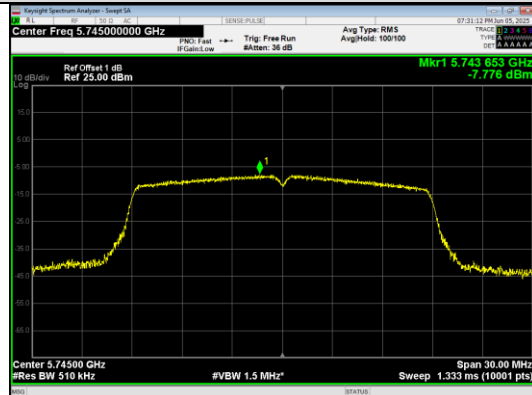
IEEE 802.11n_Channel 165_20MHz_Antenna 0



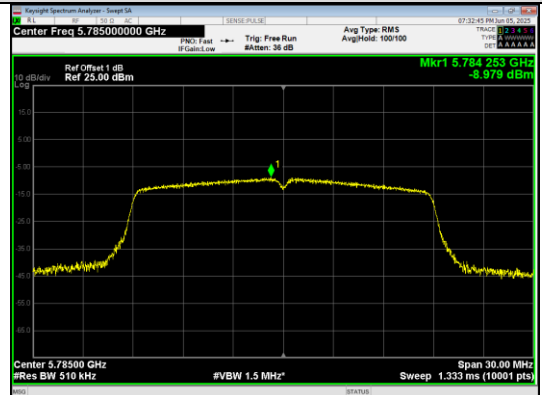
IEEE 802.11n_Channel 151_40MHz_Antenna 0



IEEE 802.11n_Channel 159_40MHz_Antenna 0



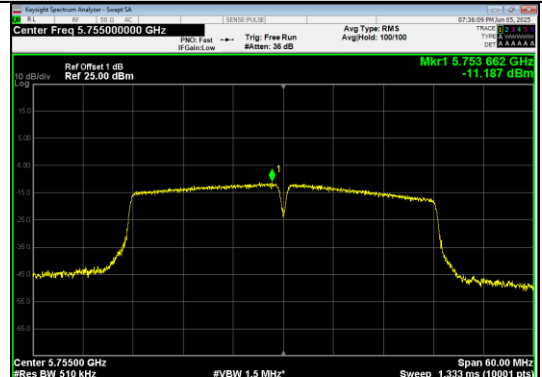
IEEE 802.11ac_Channel 149_20MHz_Antenna 0



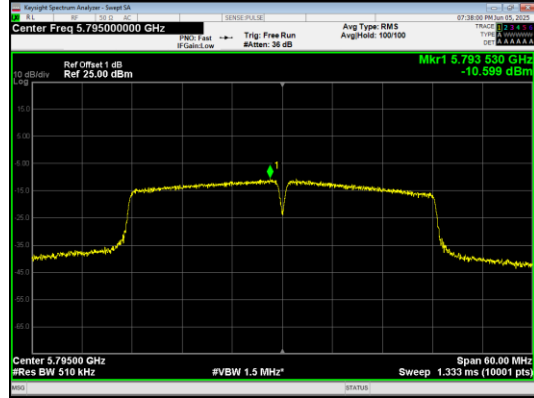
IEEE 802.11ac_Channel 157_20MHz_Antenna 0



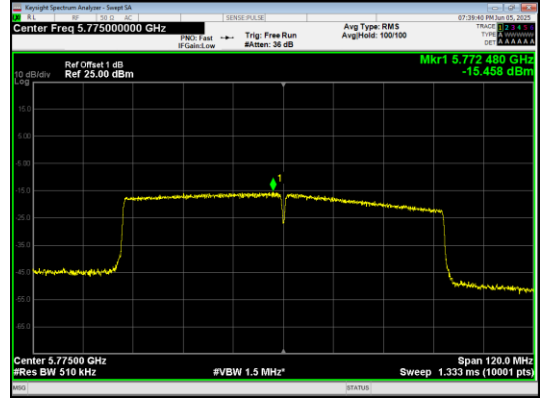
IEEE 802.11ac_Channel 165_20MHz_Antenna 0



IEEE 802.11ac_Channel 151_40MHz_Antenna 0



IEEE 802.11ac_Channel 159_40MHz_Antenna 0



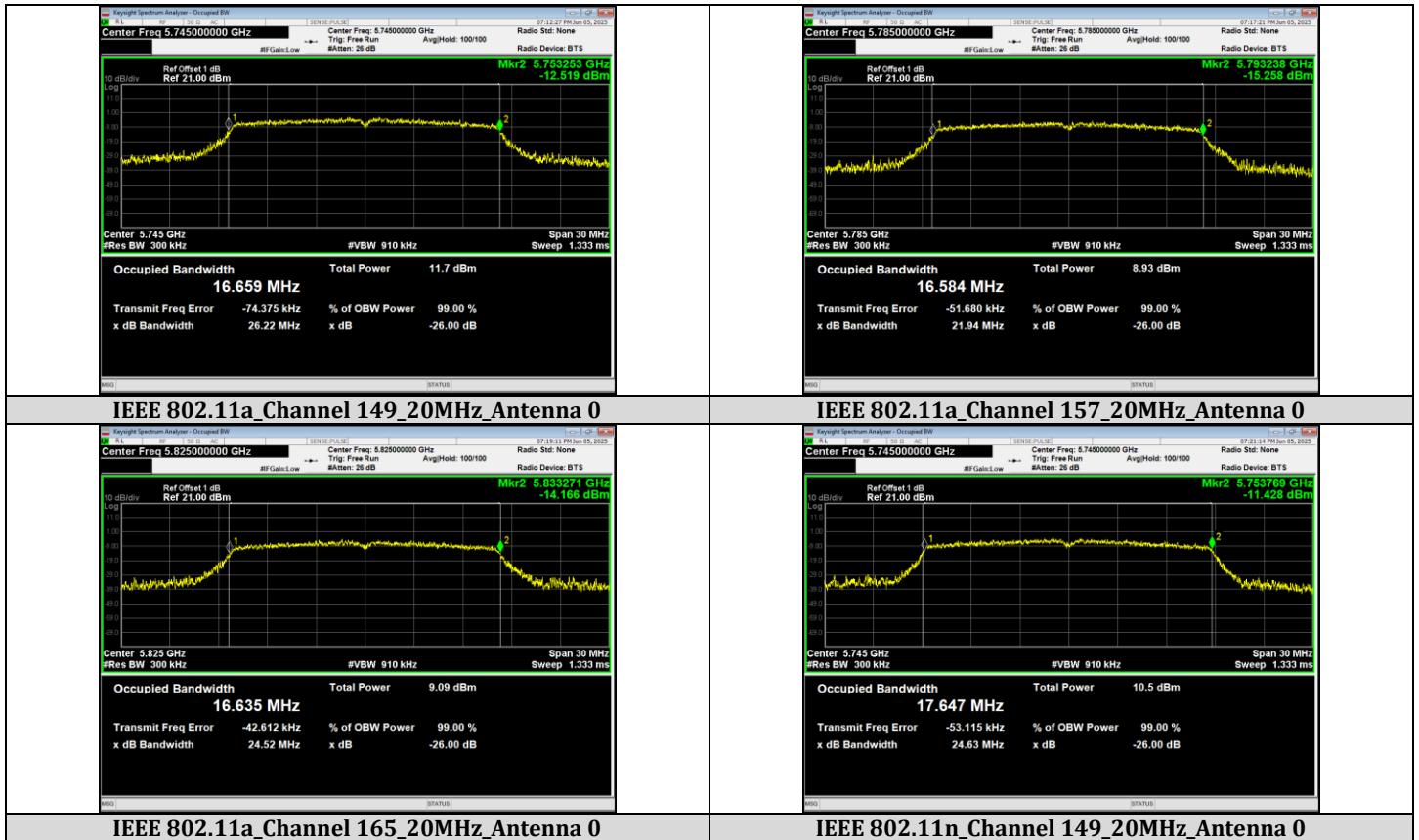
IEEE 802.11ac_Channel 155_80MHz_Antenna 0

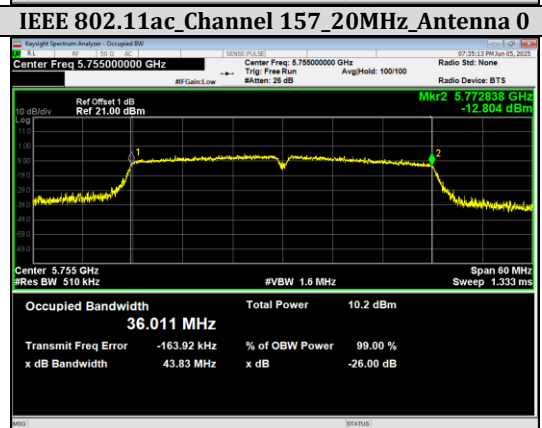
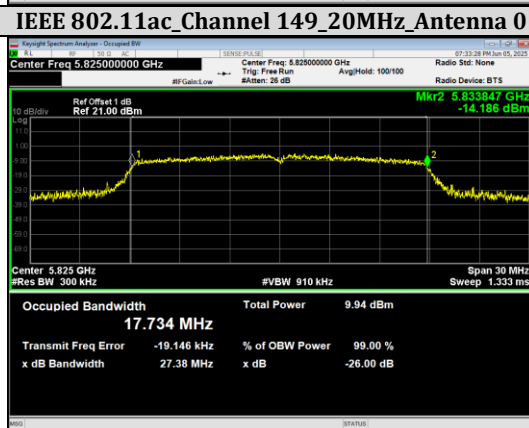
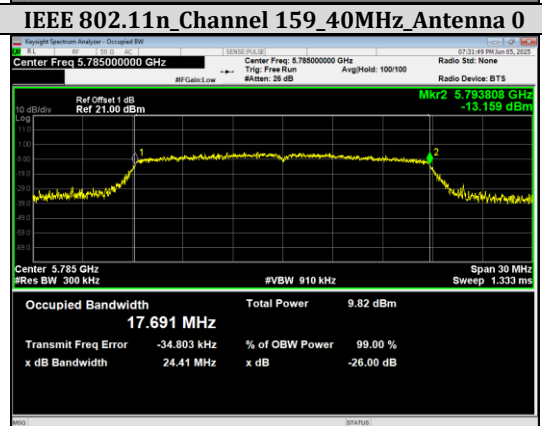
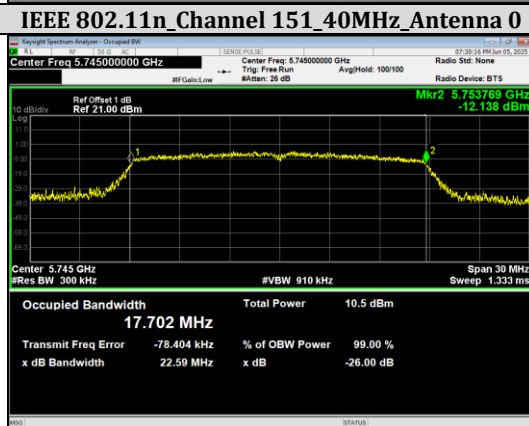
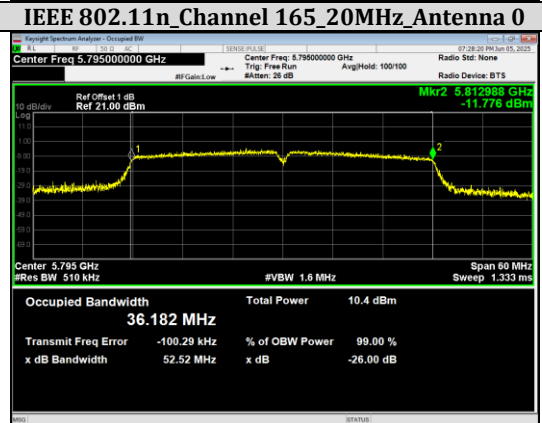
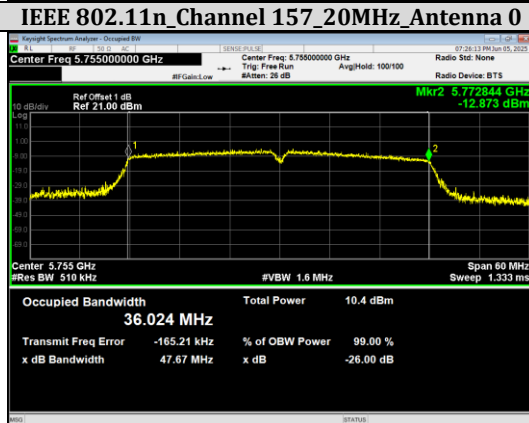
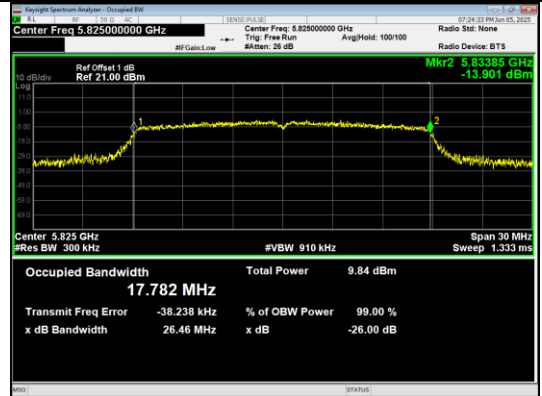
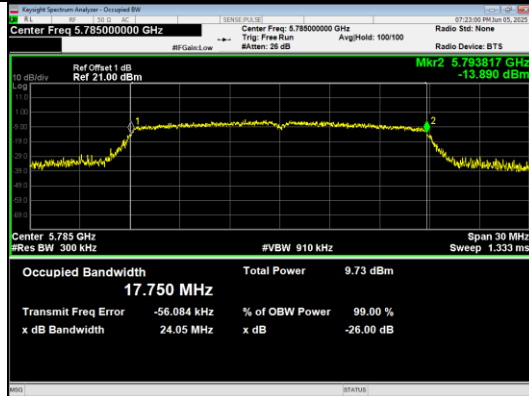
99% Bandwidth

Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11a	149	0	5745	16.659
	157		5785	16.584
	165		5825	16.635
IEEE 802.11n_20	149		5745	17.647
	157		5785	17.750
	165		5825	17.782
IEEE 802.11n_40	151		5755	36.024
	159		5795	36.182
	149		5745	17.702
IEEE 802.11ac_20	157		5785	17.691
	165		5825	17.734
	151		5755	36.011
IEEE 802.11ac_40	159		5795	36.254
	155		5775	75.259

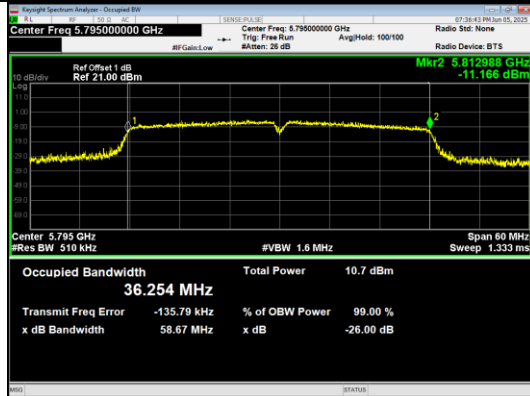
Test Graphs



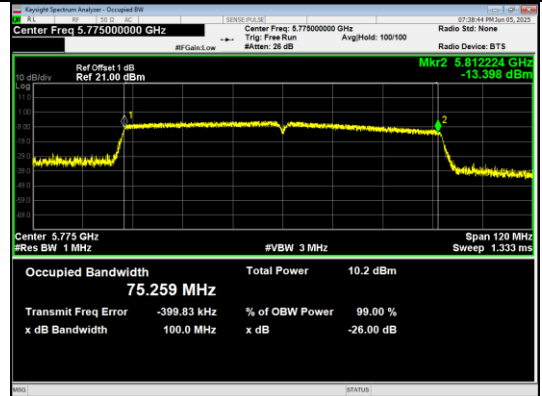


IEEE 802.11ac_Channel 165_20MHz_Antenna 0

IEEE 802.11ac_Channel 151_40MHz_Antenna 0



IEEE 802.11ac_Channel 159_40MHz_Antenna 0



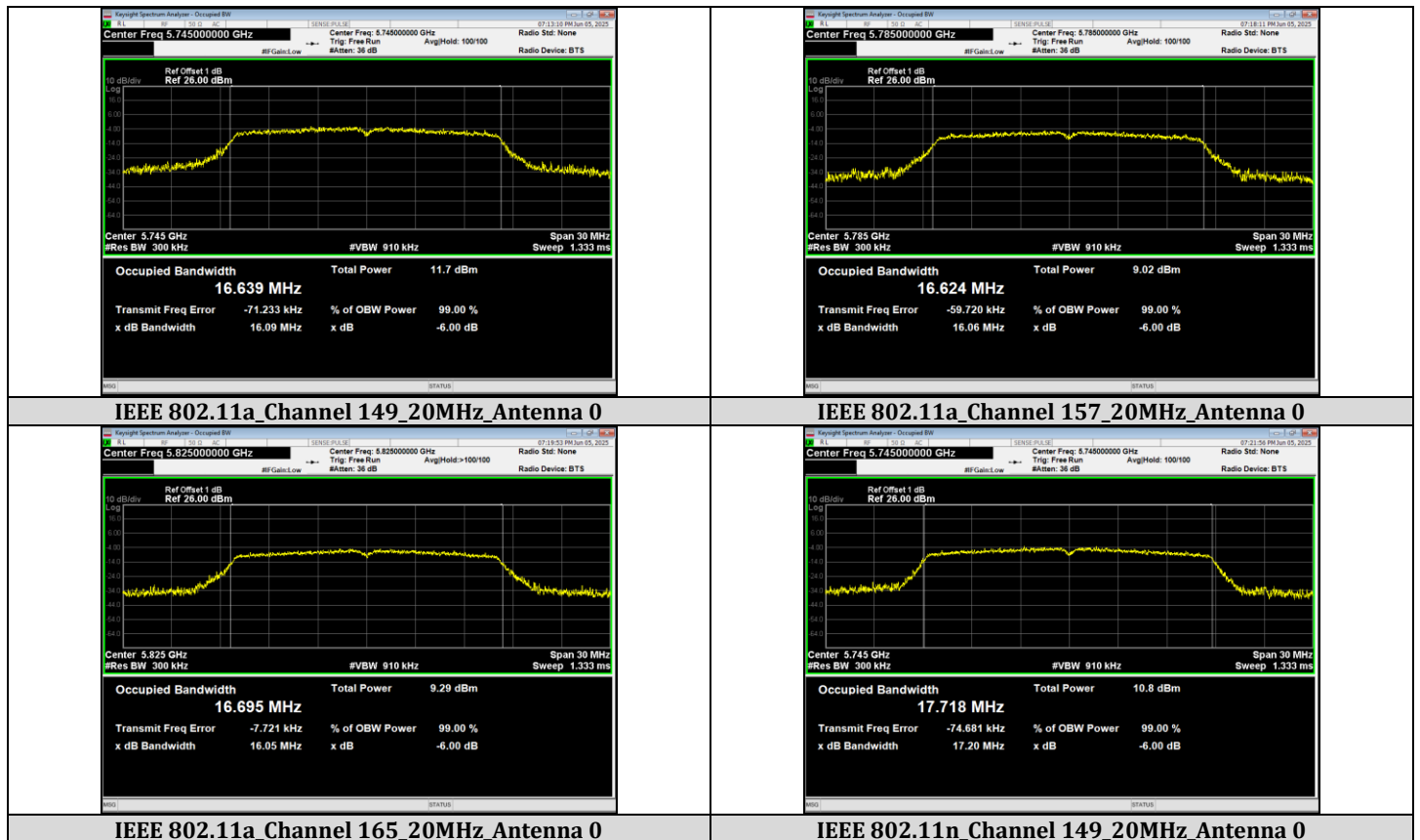
IEEE 802.11ac_Channel 155_80MHz_Antenna 0

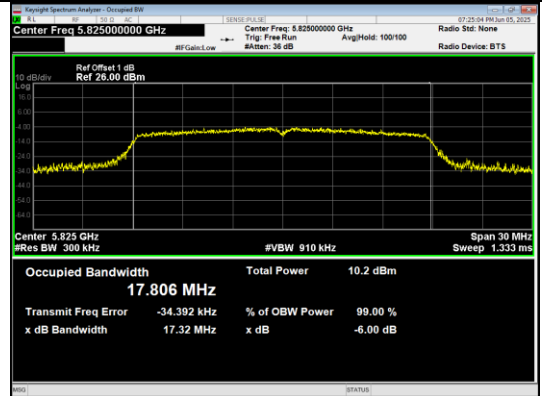
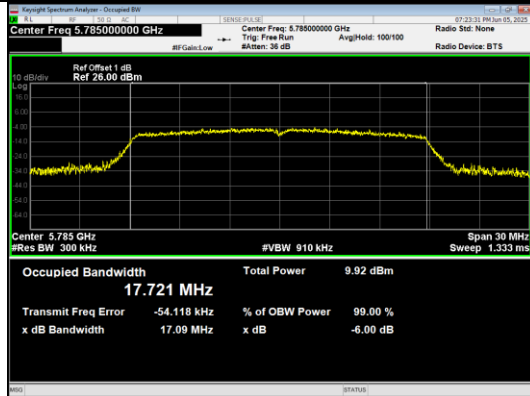
6dB Bandwidth

Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11a	149	0	5745	16.09	≥0.5	PASS
	157		5785	16.06		PASS
	165		5825	16.05		PASS
IEEE 802.11n_20	149		5745	17.20		PASS
	157		5785	17.09		PASS
	165		5825	17.32		PASS
IEEE 802.11n_40	151		5755	35.40		PASS
	159		5795	35.91		PASS
IEEE 802.11ac_20	149		5745	17.26		PASS
	157		5785	17.02		PASS
	165		5825	17.38		PASS
IEEE 802.11ac_40	151		5755	33.83		PASS
	159		5795	35.86		PASS
IEEE 802.11ac_80	155		5775	72.51		PASS

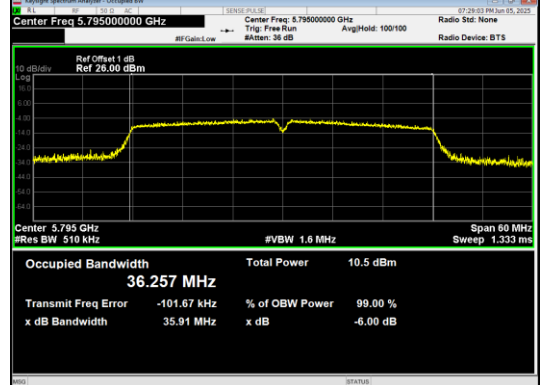
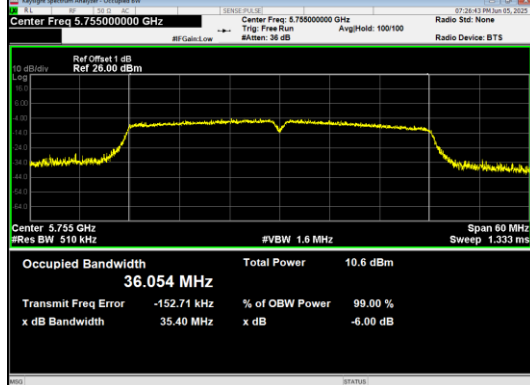
Test Graphs





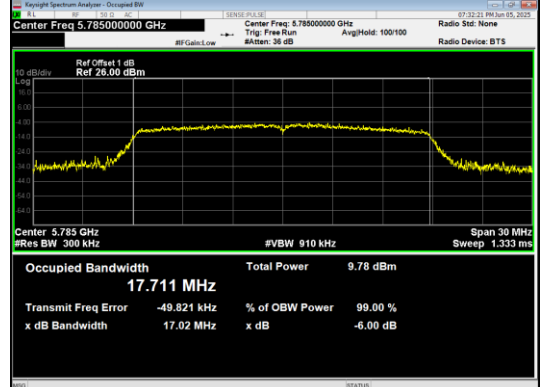
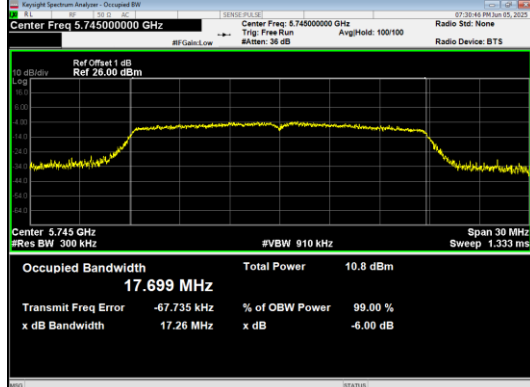
IEEE 802.11n_Channel 157_20MHz_Antenna 0

IEEE 802.11n_Channel 165_20MHz_Antenna 0



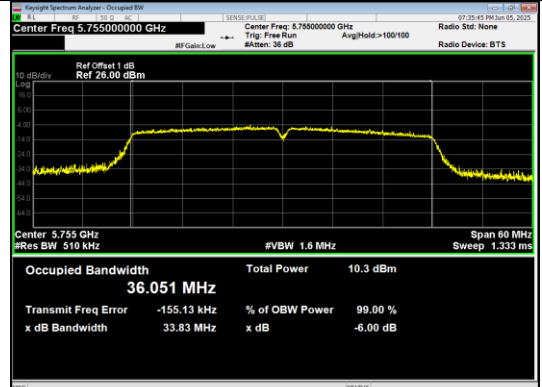
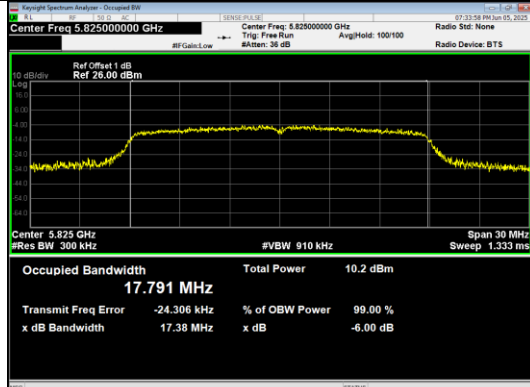
IEEE 802.11n_Channel 151_40MHz_Antenna 0

IEEE 802.11n_Channel 159_40MHz_Antenna 0



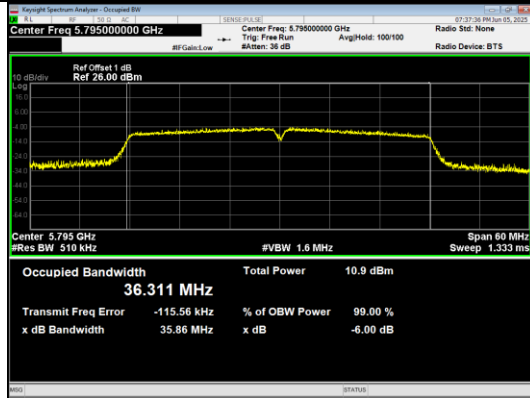
IEEE 802.11ac_Channel 149_20MHz_Antenna 0

IEEE 802.11ac_Channel 157_20MHz_Antenna 0

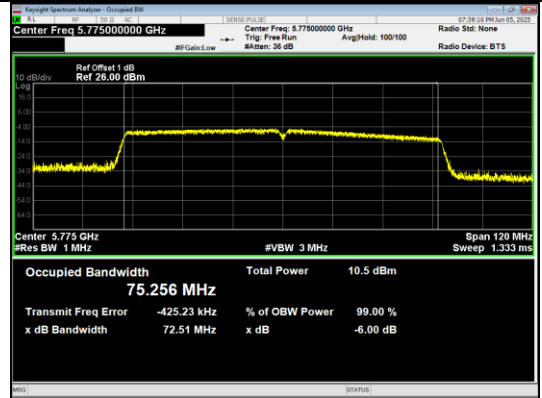


IEEE 802.11ac_Channel 165_20MHz_Antenna 0

IEEE 802.11ac_Channel 151_40MHz_Antenna 0



IEEE 802.11ac_Channel 159_40MHz_Antenna 0



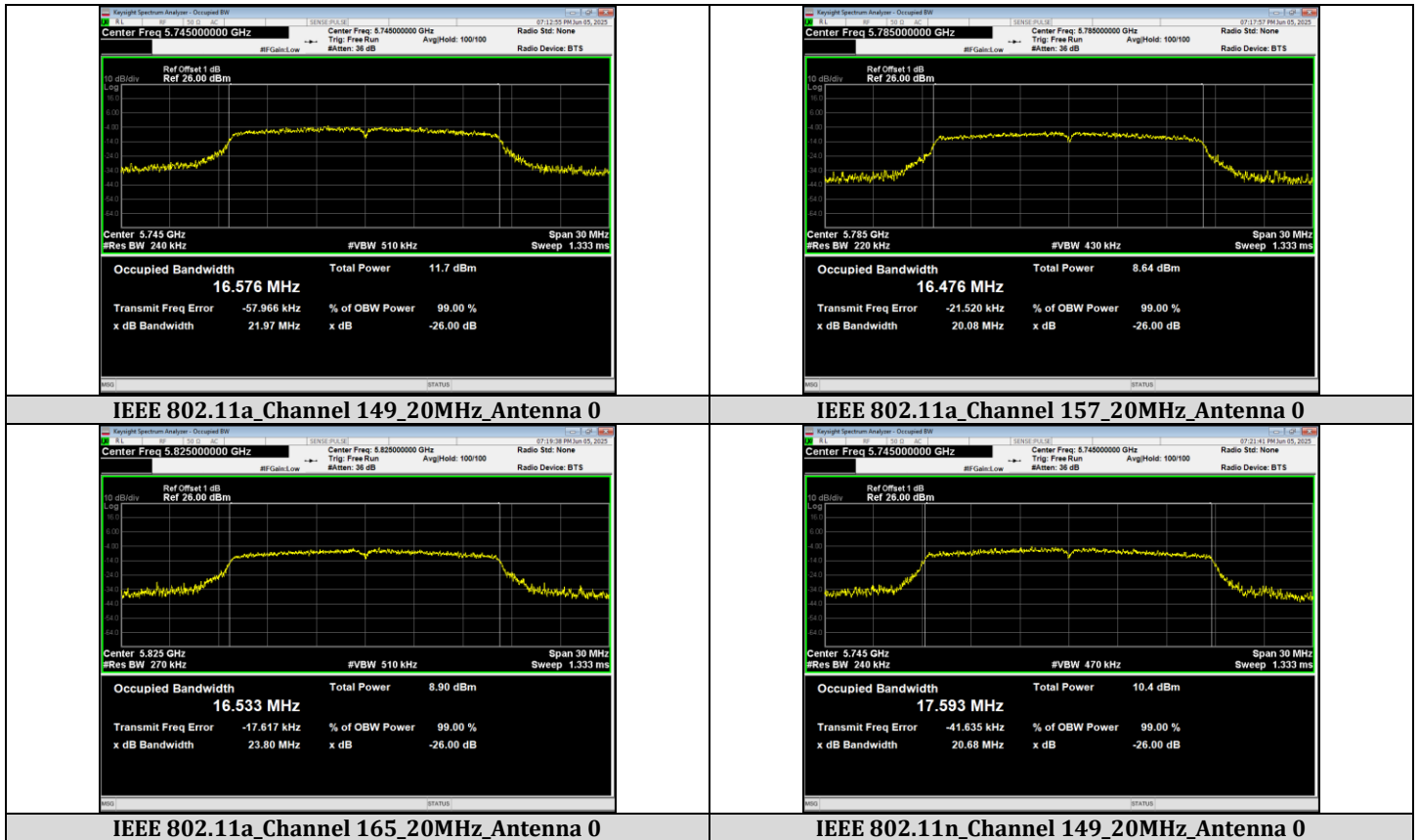
IEEE 802.11ac_Channel 155_80MHz_Antenna 0

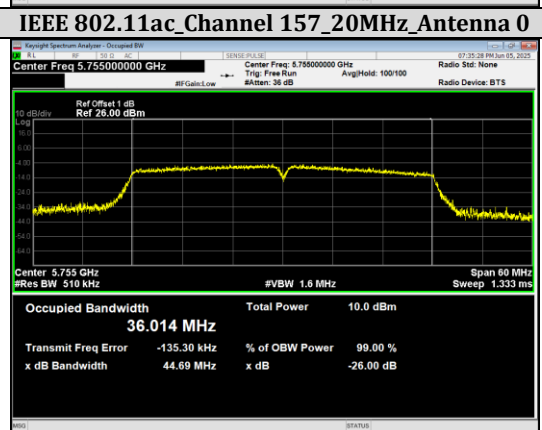
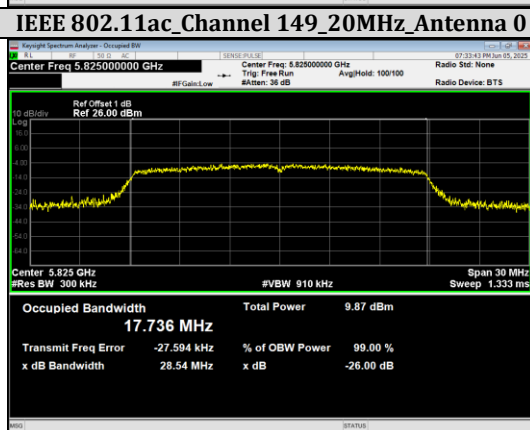
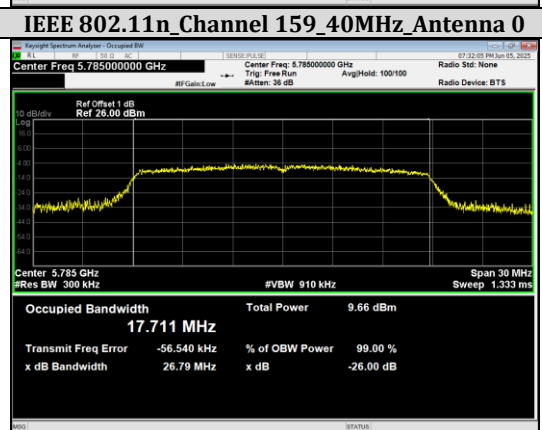
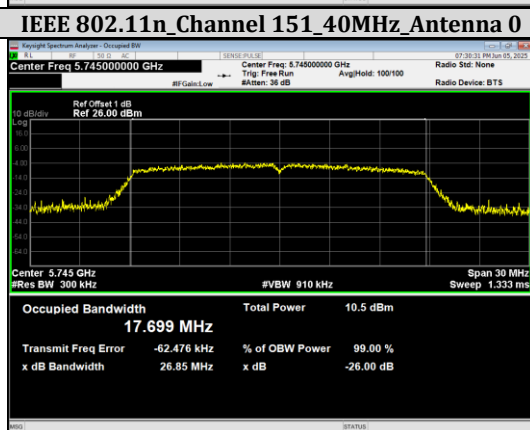
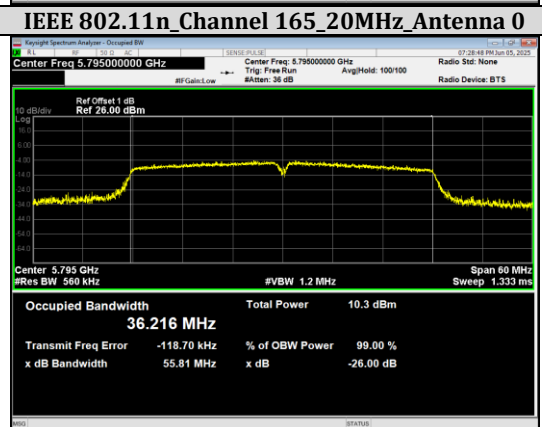
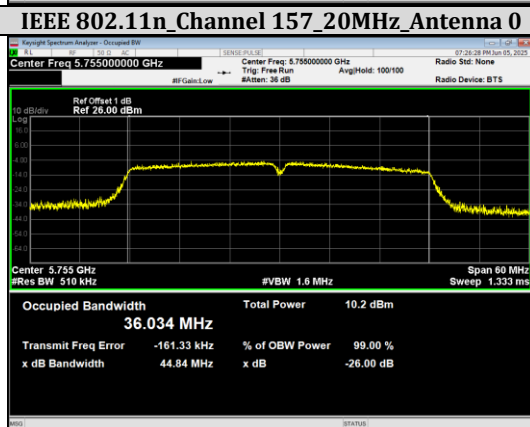
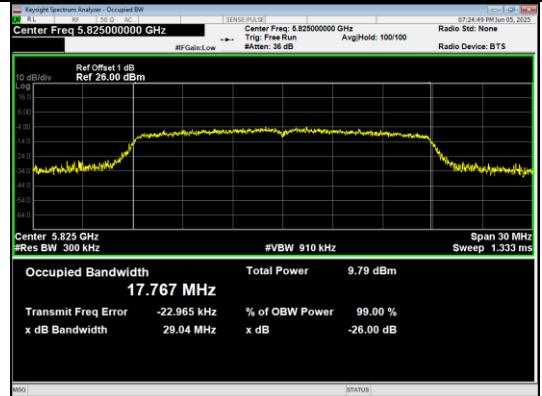
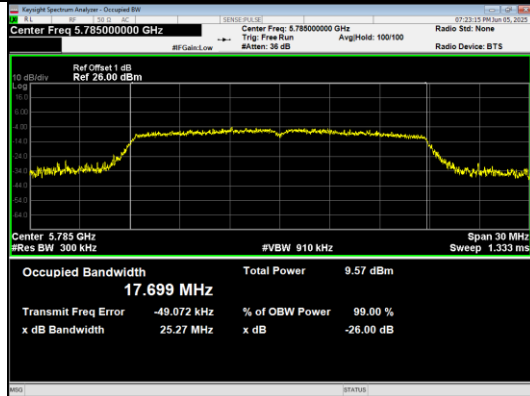
26dB Bandwidth

Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	26 dB Bandwidth (MHz)	RBW/EBW
IEEE 802.11a	149	0	5745	21.97	1.14
	157		5785	20.08	1.09
	165		5825	23.80	1.08
IEEE 802.11n_20	149		5745	20.68	1.17
	157		5785	25.27	1.19
	165		5825	29.04	1.03
IEEE 802.11n_40	151		5755	44.84	1.14
	159		5795	55.81	1.04
	149		5745	26.85	1.12
IEEE 802.11ac_20	157		5785	26.79	1.12
	165		5825	28.54	1.05
	151		5755	44.69	1.14
IEEE 802.11ac_40	159		5795	58.14	1.05
	155		5775	100.09	1.0

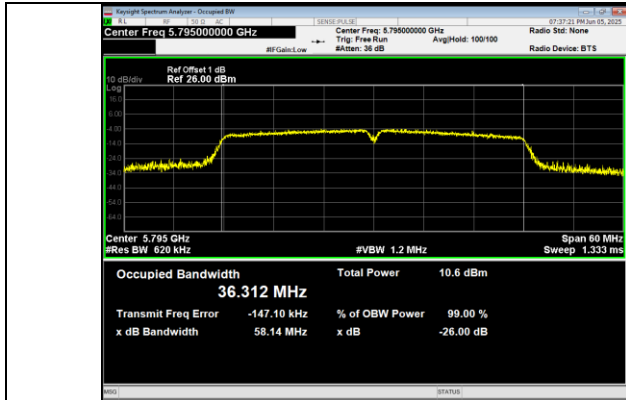
Test Graphs



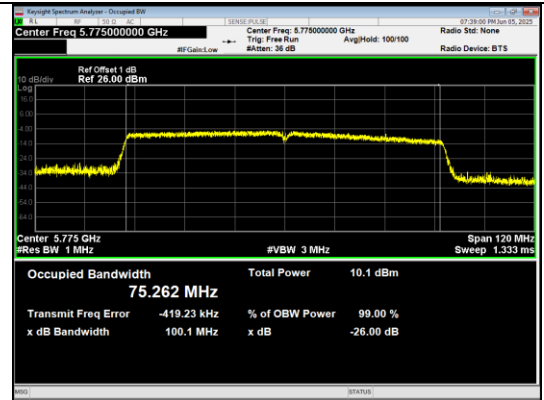


IEEE 802.11ac_Channel 165_20MHz_Antenna 0

IEEE 802.11ac_Channel 151_40MHz_Antenna 0



IEEE 802.11ac_Channel 159_40MHz_Antenna 0



IEEE 802.11ac_Channel 155_80MHz_Antenna 0

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