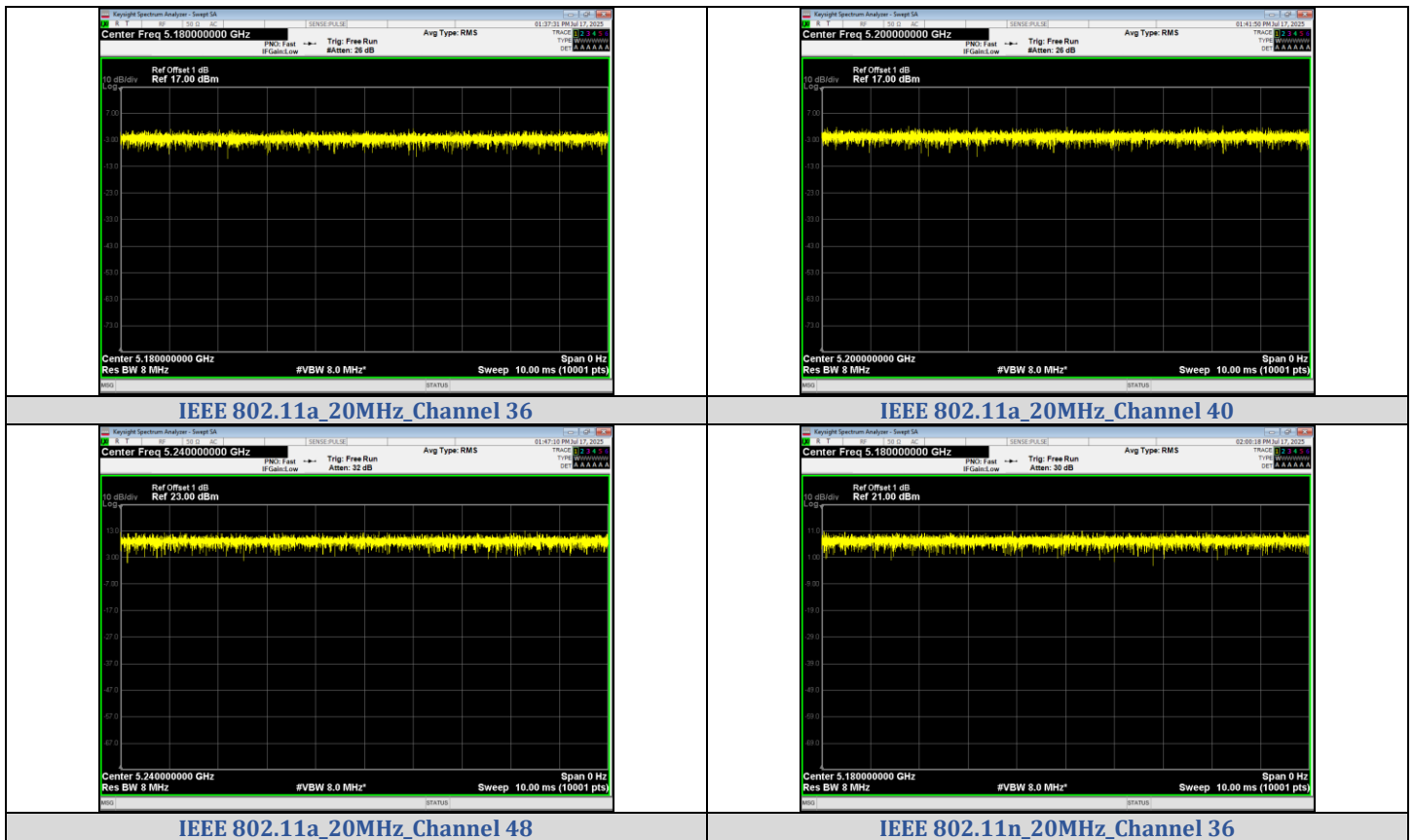


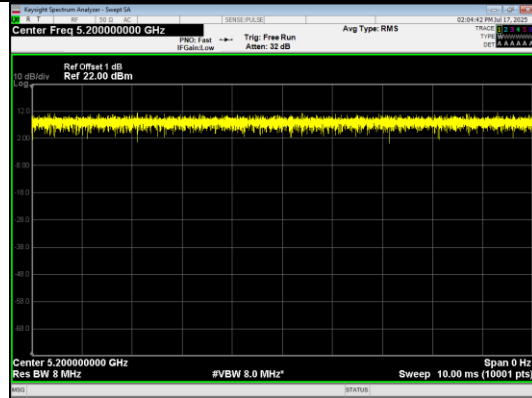
Duty Cycle

Test Result

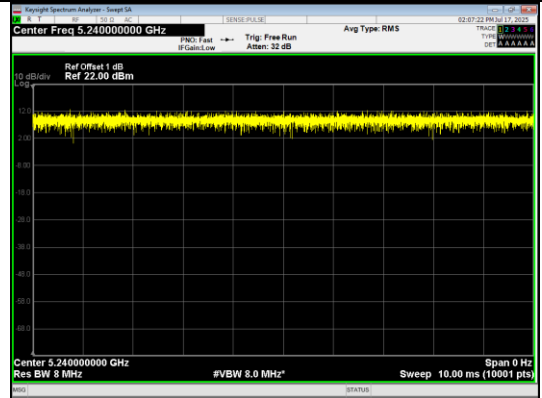
Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
IEEE 802.11a	6	36	0	10.000	10.000	100	1	0.0	0.1000
		40		10.000	10.000	100	1	0.0	0.1000
		48		10.000	10.000	100	1	0.0	0.1000
IEEE 802.11n_20		36		10.000	10.000	100	1	0.0	0.1000
		40		10.000	10.000	100	1	0.0	0.1000
		48		10.000	10.000	100	1	0.0	0.1000
IEEE 802.11n_40		38		10.000	10.000	100	1	0.0	0.1000
		46		10.000	10.000	100	1	0.0	0.1000
IEEE 802.11ac_20	MCS 0	36		10.000	10.000	100	1	0.0	0.1000
		40		10.000	10.000	100	1	0.0	0.1000
		48		10.000	10.000	100	1	0.0	0.1000
IEEE 802.11ac_40		38		10.000	10.000	100	1	0.0	0.1000
		46		10.000	10.000	100	1	0.0	0.1000
IEEE 802.11ac_80		42		10.000	10.000	100	1	0.0	0.1000

Test Graphs

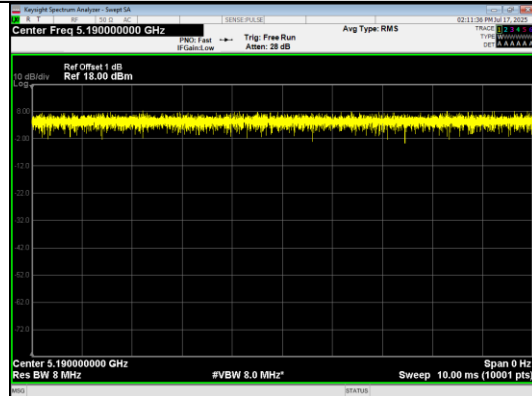




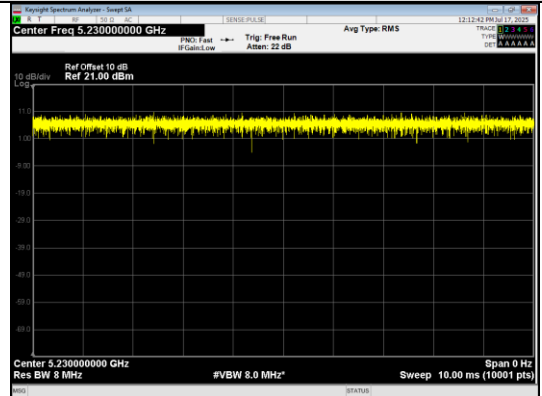
IEEE 802.11n_20MHz_Channel 40



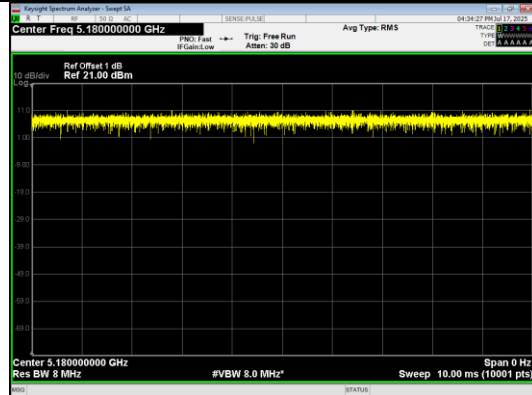
IEEE 802.11n_20MHz_Channel 48



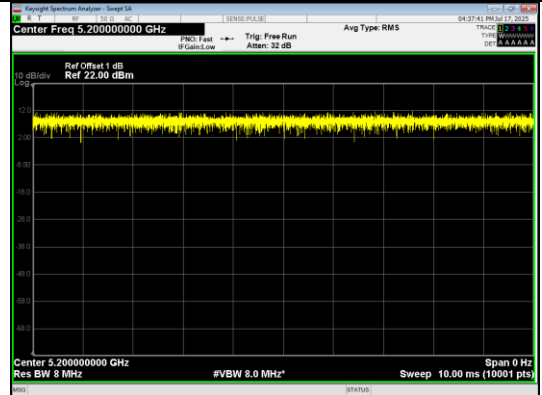
IEEE 802.11n_40MHz_Channel 38



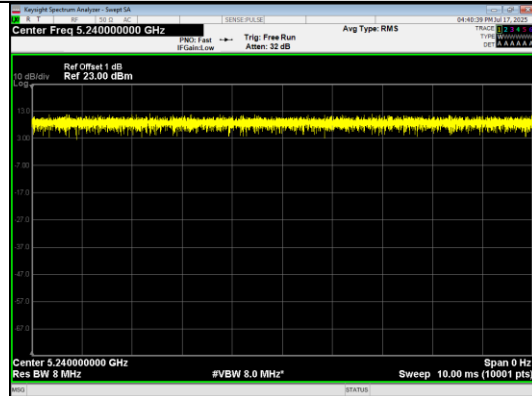
IEEE 802.11n_40MHz_Channel 46



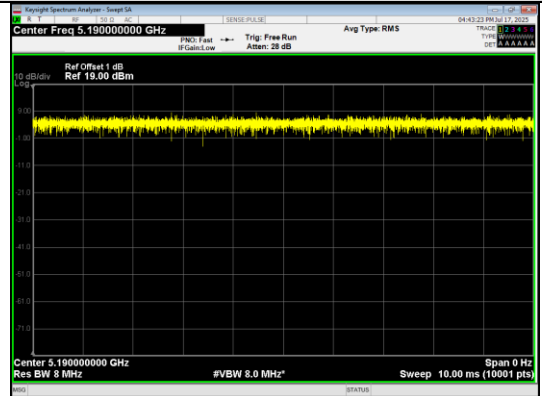
IEEE 802.11ac_20MHz_Channel 36



IEEE 802.11ac_20MHz_Channel 40



IEEE 802.11ac_20MHz_Channel 48



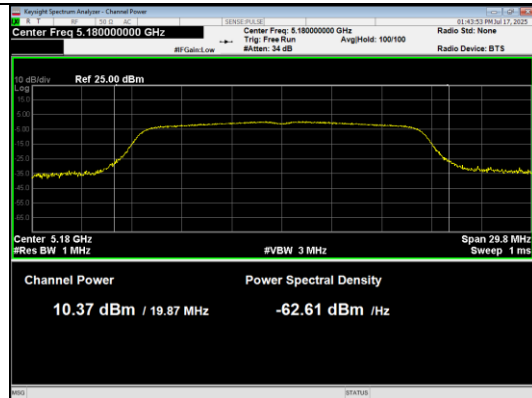
IEEE 802.11ac_40MHz_Channel 38

Conducted Output Power

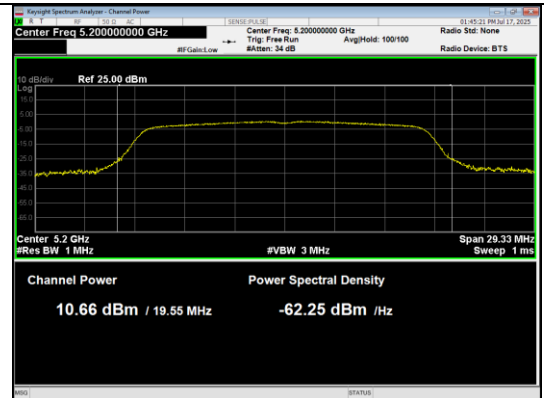
Conducted output power

Mode	Channel	Ant. 0 (dBm)	Corr'd Value Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11a	36	10.37	10.37	≤24	PASS
	40	10.66	10.66	≤24	PASS
	48	11.64	11.64	≤24	PASS
IEEE 802.11n_20	36	10.34	10.34	≤24	PASS
	40	10.77	10.77	≤24	PASS
	48	11.40	11.4	≤24	PASS
IEEE 802.11n_40	38	10.37	10.37	≤24	PASS
	46	10.49	10.49	≤24	PASS
IEEE 802.11ac_20	36	10.48	10.48	≤24	PASS
	40	10.87	10.87	≤24	PASS
	48	11.40	11.4	≤24	PASS
IEEE 802.11ac_40	38	10.44	10.44	≤24	PASS
	46	11.21	11.21	≤24	PASS
IEEE 802.11ac_80	42	10.88	10.88	≤24	PASS

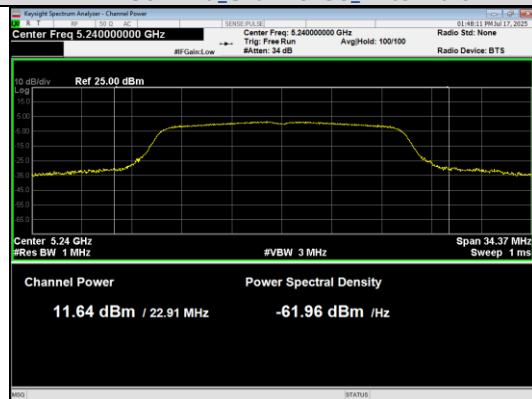
Note: Corrected Value = Antenna Power + Duty Cycle Factor.



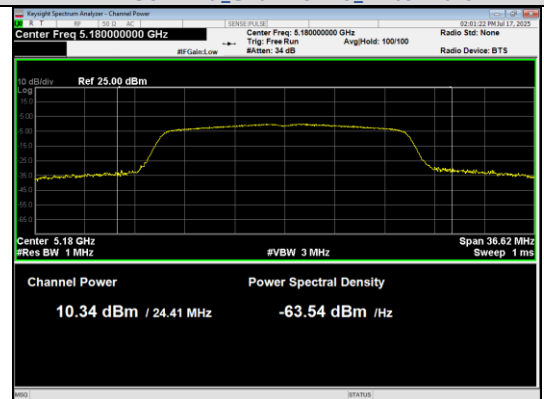
Conducted AVG output power
IEEE 802.11a_Channel 36_Antenna 0



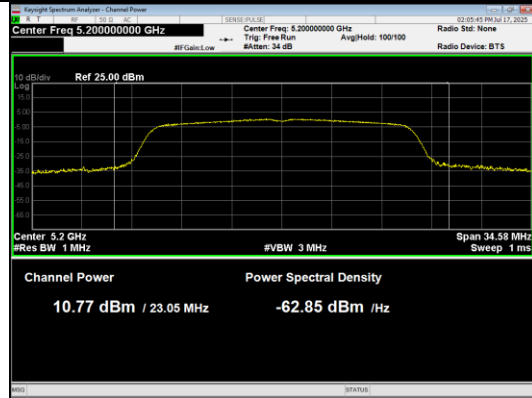
Conducted AVG output power
IEEE 802.11a_Channel 40_Antenna 0



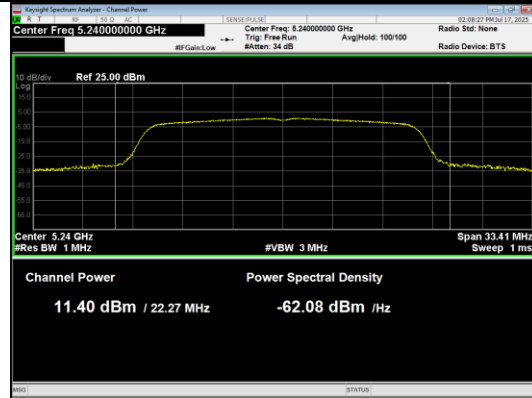
Conducted AVG output power
IEEE 802.11a_Channel 48_Antenna 0



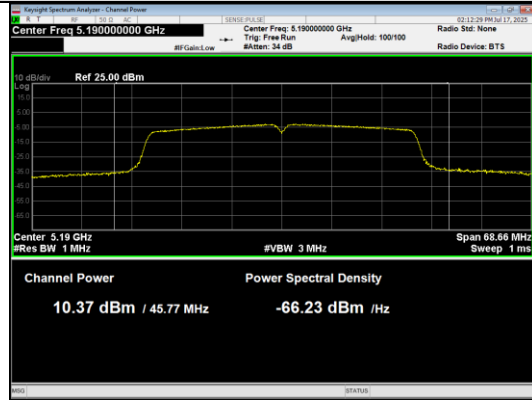
Conducted AVG output power
IEEE 802.11n_20_Channel 36_Antenna 0



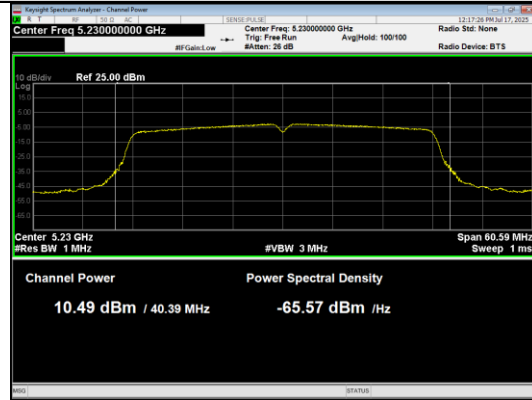
Conducted AVG output power
IEEE 802.11n_20_Channel 40_Antenna 0



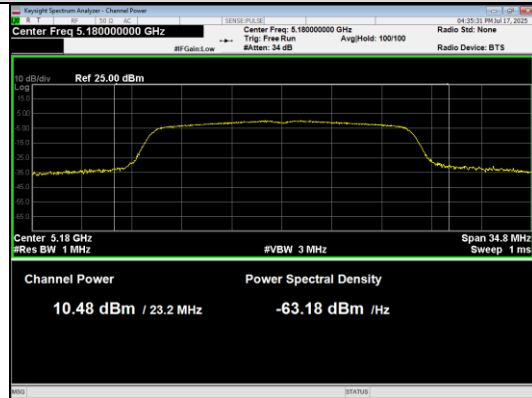
Conducted AVG output power
IEEE 802.11n_20_Channel 48_Antenna 0



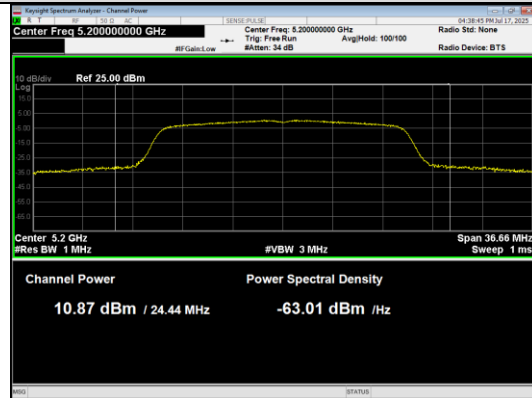
Conducted AVG output power
IEEE 802.11n_40_Channel 38_Antenna 0



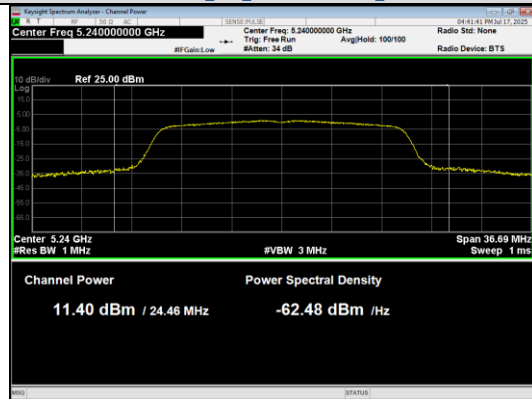
Conducted AVG output power
IEEE 802.11n_40_Channel 46_Antenna 0



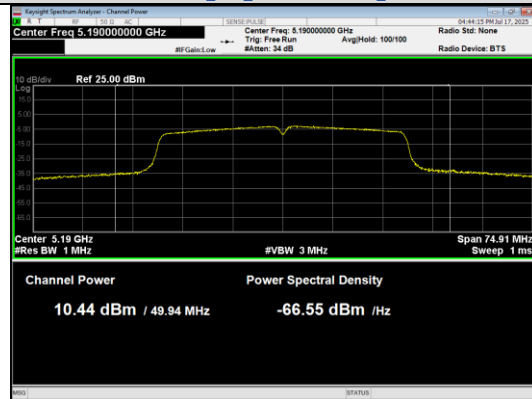
Conducted AVG output power
IEEE 802.11ac_20_Channel 36_Antenna 0



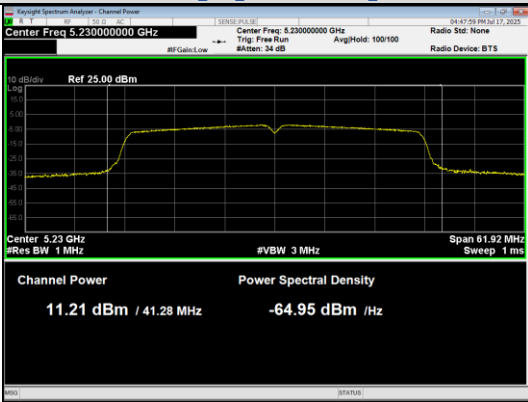
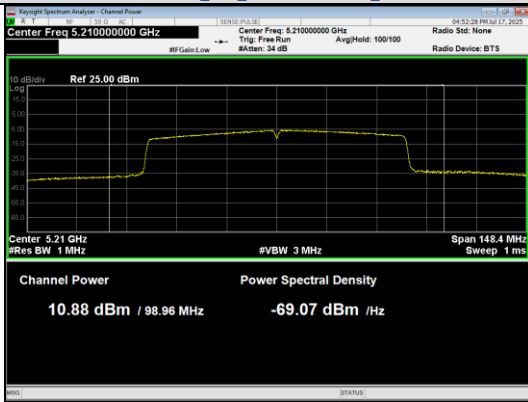
Conducted AVG output power
IEEE 802.11ac_20_Channel 40_Antenna 0



Conducted AVG output power



Conducted AVG output power

IEEE 802.11ac_20_Channel 48_Antenna 0	IEEE 802.11ac_40_Channel 38_Antenna 0
 Center Freq 5.230000000 GHz Center Freq 5.230000000 GHz Avg/Hold: 100/100 Radio Std: None Radio Device: BTS Ref 25.00 dBm Center 5.23 GHz #Res BW 1 MHz #VBW 3 MHz Span 61.92 MHz Sweep 1 ms Channel Power 11.21 dBm / 41.28 MHz Power Spectral Density -64.95 dBm / Hz	 Center Freq 5.210000000 GHz Center Freq 5.210000000 GHz Avg/Hold: 100/100 Radio Std: None Radio Device: BTS Ref 25.00 dBm Center 5.21 GHz #Res BW 1 MHz #VBW 3 MHz Span 148.4 MHz Sweep 1 ms Channel Power 10.88 dBm / 98.96 MHz Power Spectral Density -69.07 dBm / Hz
Conducted AVG output power IEEE 802.11ac_40_Channel 46_Antenna 0	Conducted AVG output power IEEE 802.11ac_80_Channel 42_Antenna 0

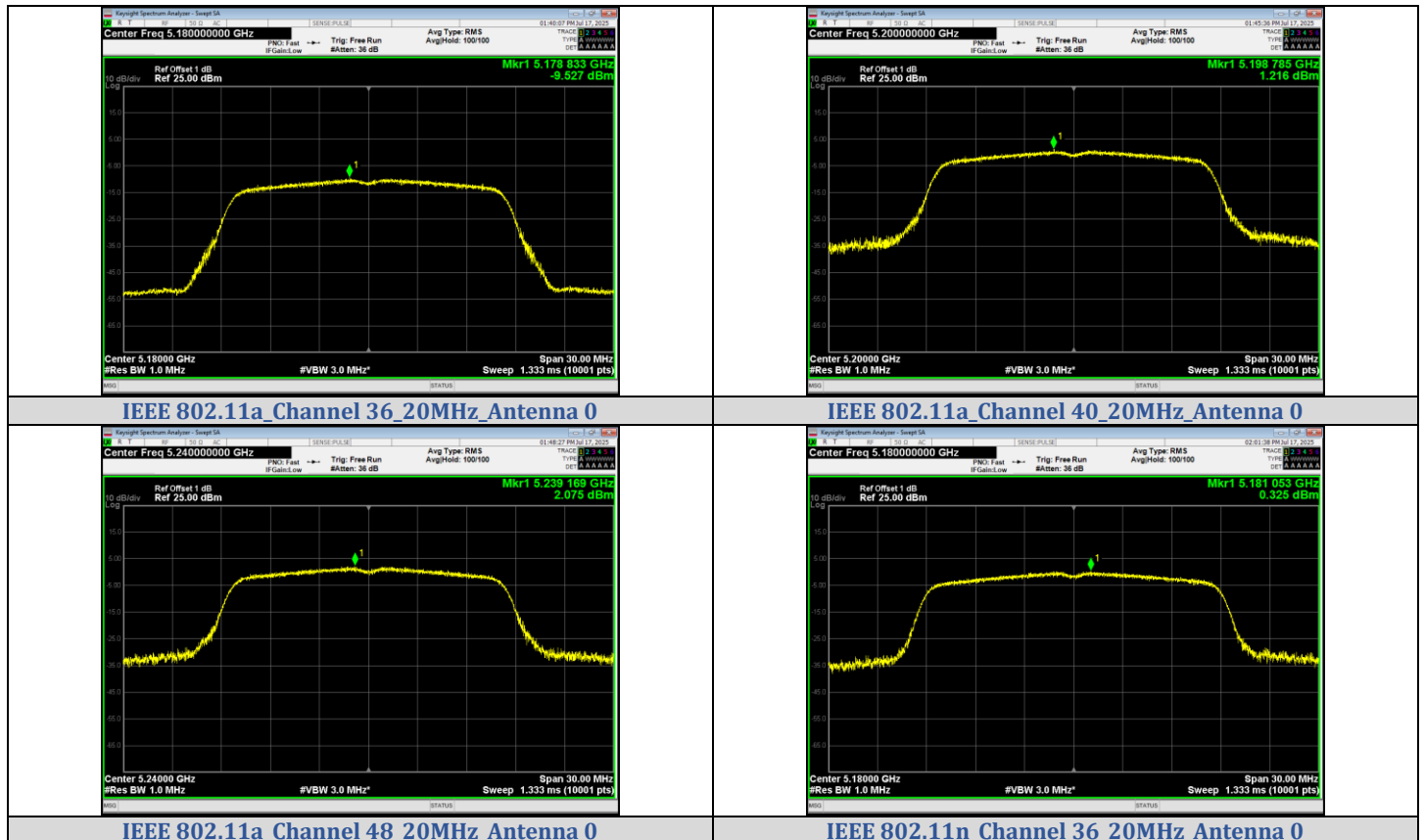
Peak Power Spectral Density

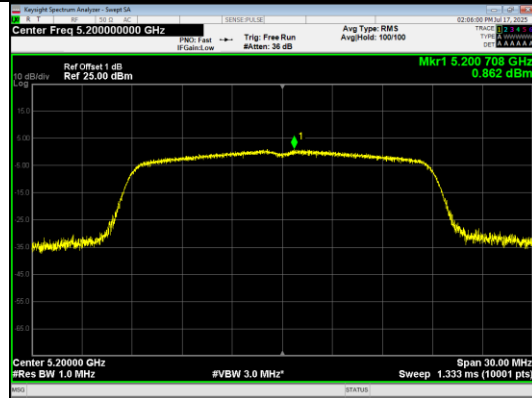
Test Result

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	36	-9.530	-9.53	11	PASS
	40	1.220	1.22		PASS
	48	2.080	2.08		PASS
IEEE 802.11n_20	36	0.330	0.33		PASS
	40	0.860	0.86		PASS
	48	1.650	1.65		PASS
IEEE 802.11n_40	38	-2.210	-2.21		PASS
	46	-2.100	-2.1		PASS
IEEE 802.11ac_20	36	0.150	0.15		PASS
	40	1.010	1.01		PASS
	48	1.730	1.73		PASS
IEEE 802.11ac_40	38	-2.300	-2.3		PASS
	46	-0.980	-0.98		PASS
IEEE 802.11ac_80	42	-4.750	-4.75		PASS

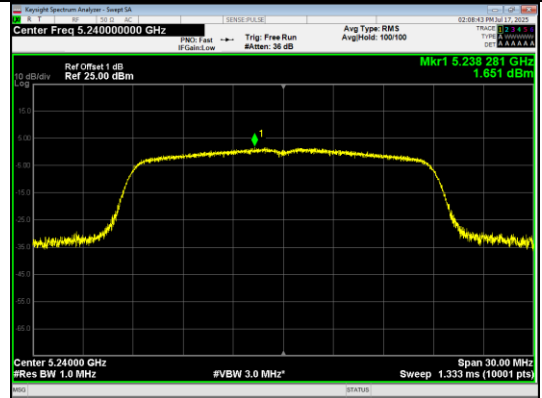
Note: Corr'd Value= Ant. 0 (dBm)+Duty cycle Factor.

Test Graphs

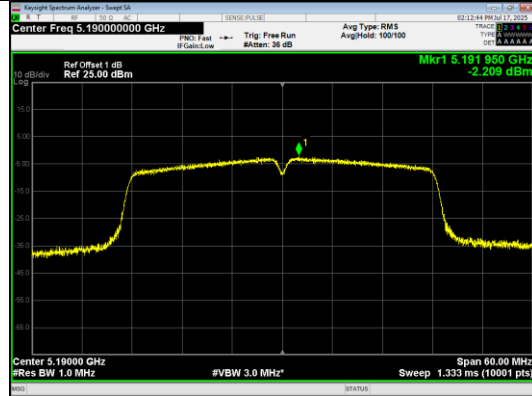




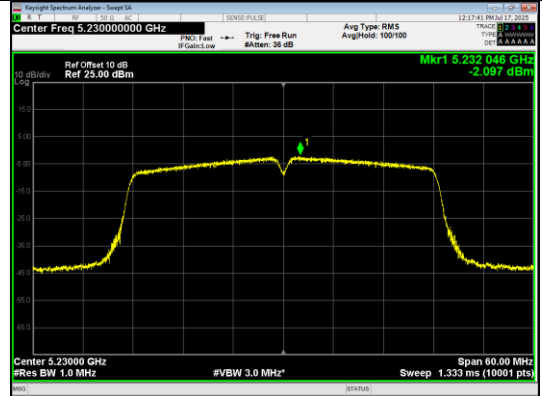
IEEE 802.11n Channel 40_20MHz_Antenna 0



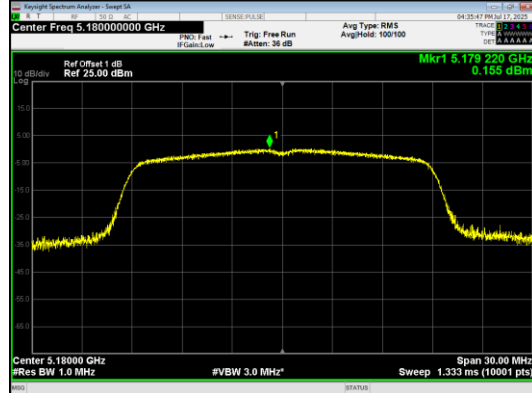
IEEE 802.11n Channel 48_20MHz_Antenna 0



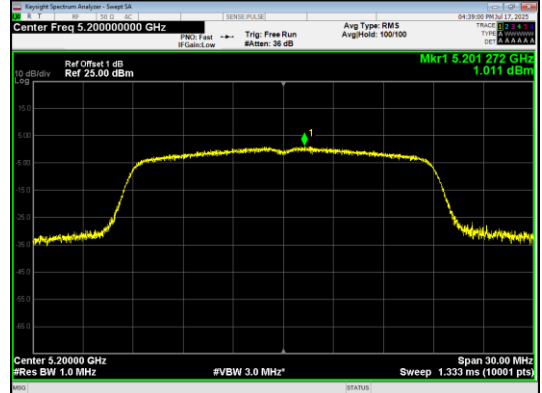
IEEE 802.11n Channel 38_40MHz_Antenna 0



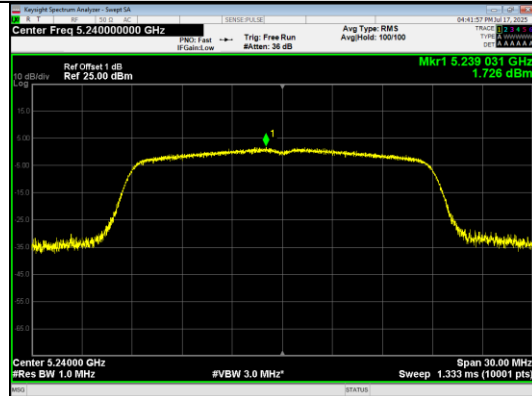
IEEE 802.11n Channel 46_40MHz_Antenna 0



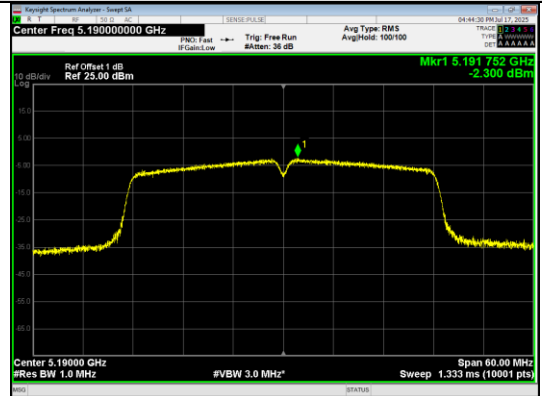
IEEE 802.11ac Channel 36_20MHz_Antenna 0



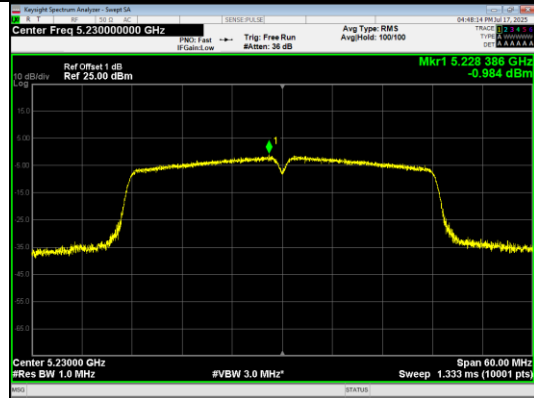
IEEE 802.11ac Channel 40_20MHz_Antenna 0



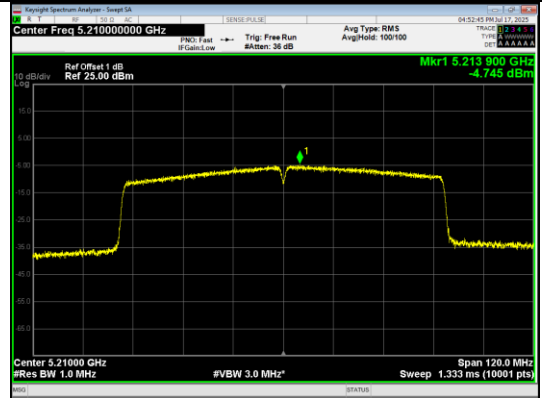
IEEE 802.11ac Channel 48_20MHz_Antenna 0



IEEE 802.11ac Channel 38_40MHz_Antenna 0



IEEE 802.11ac_Channel 46_40MHz_Antenna 0



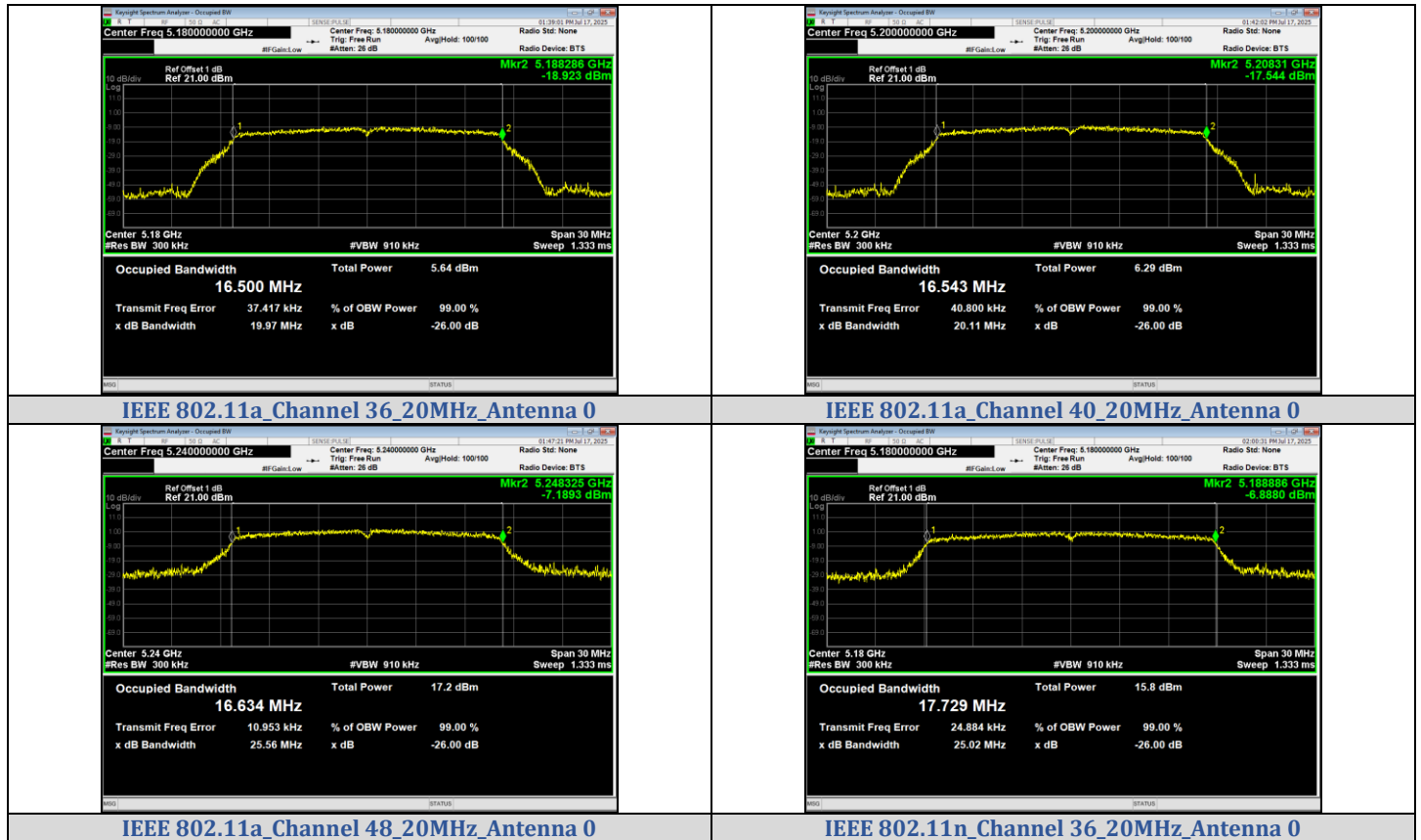
IEEE 802.11ac_Channel 42_80MHz_Antenna 0

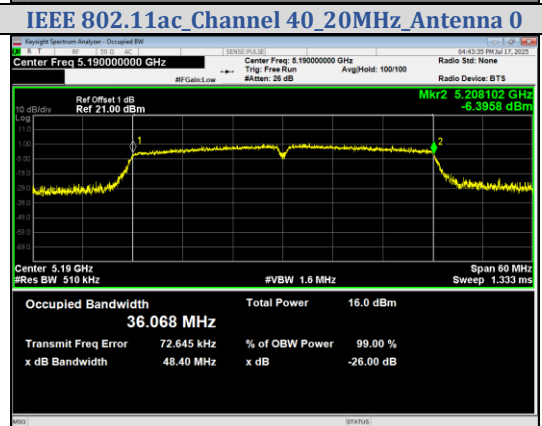
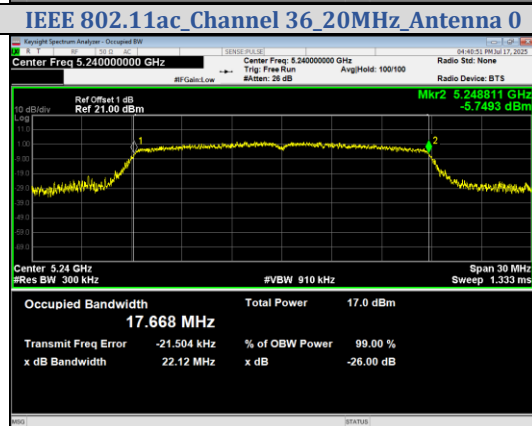
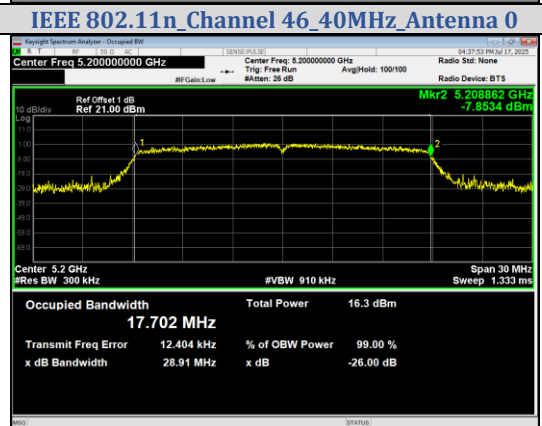
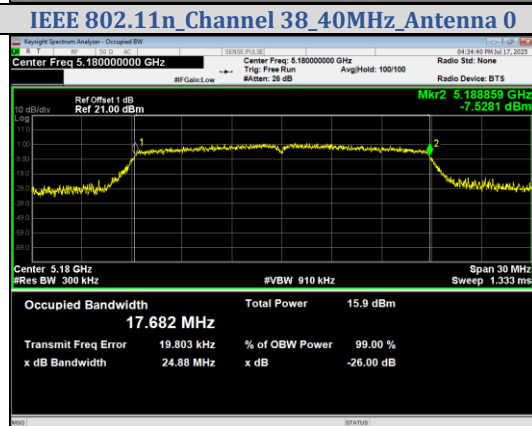
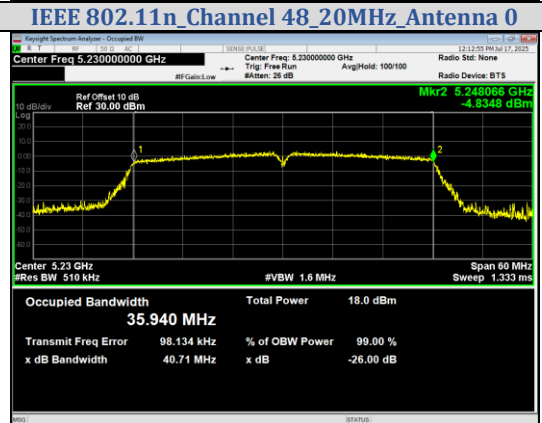
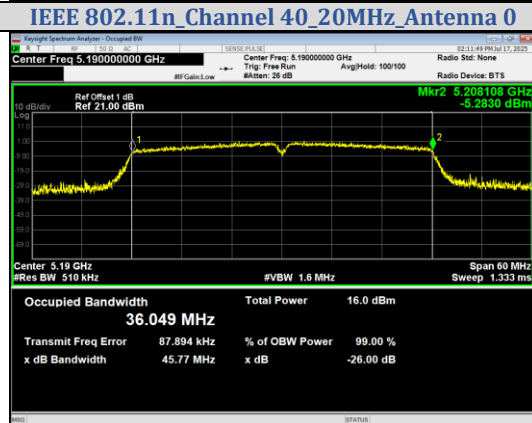
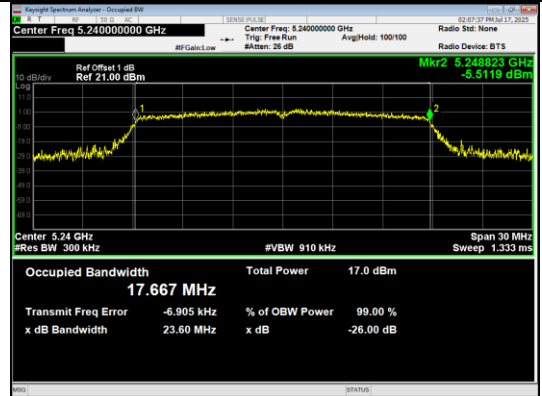
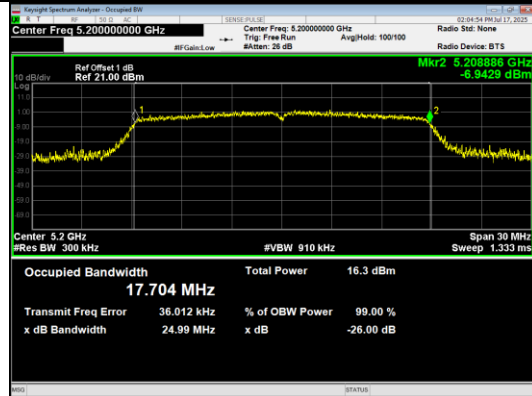
99% Bandwidth

Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11a	36	0	5180	16.500
	40		5200	16.543
	48		5240	16.634
IEEE 802.11n_20	36		5180	17.729
	40		5200	17.704
	48		5240	17.667
IEEE 802.11n_40	38		5190	36.049
	46		5230	35.940
	36		5180	17.682
IEEE 802.11ac_20	36		5200	17.702
	40		5240	17.668
	48		5190	36.068
IEEE 802.11ac_40	38		5230	36.026
	46		5210	75.258

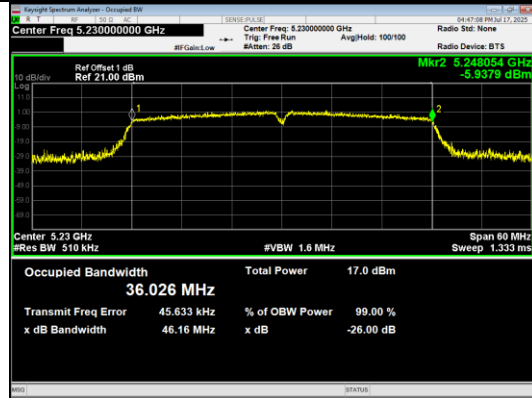
Test Graphs



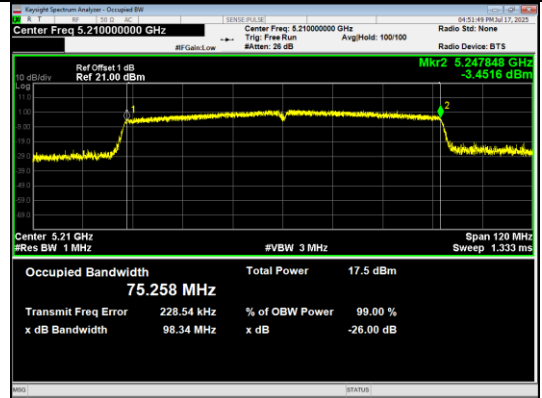


IEEE 802.11ac Channel 48_20MHz_Antenna 0

IEEE 802.11ac Channel 38_40MHz_Antenna 0



IEEE 802.11ac_Channel 46_40MHz_Antenna 0



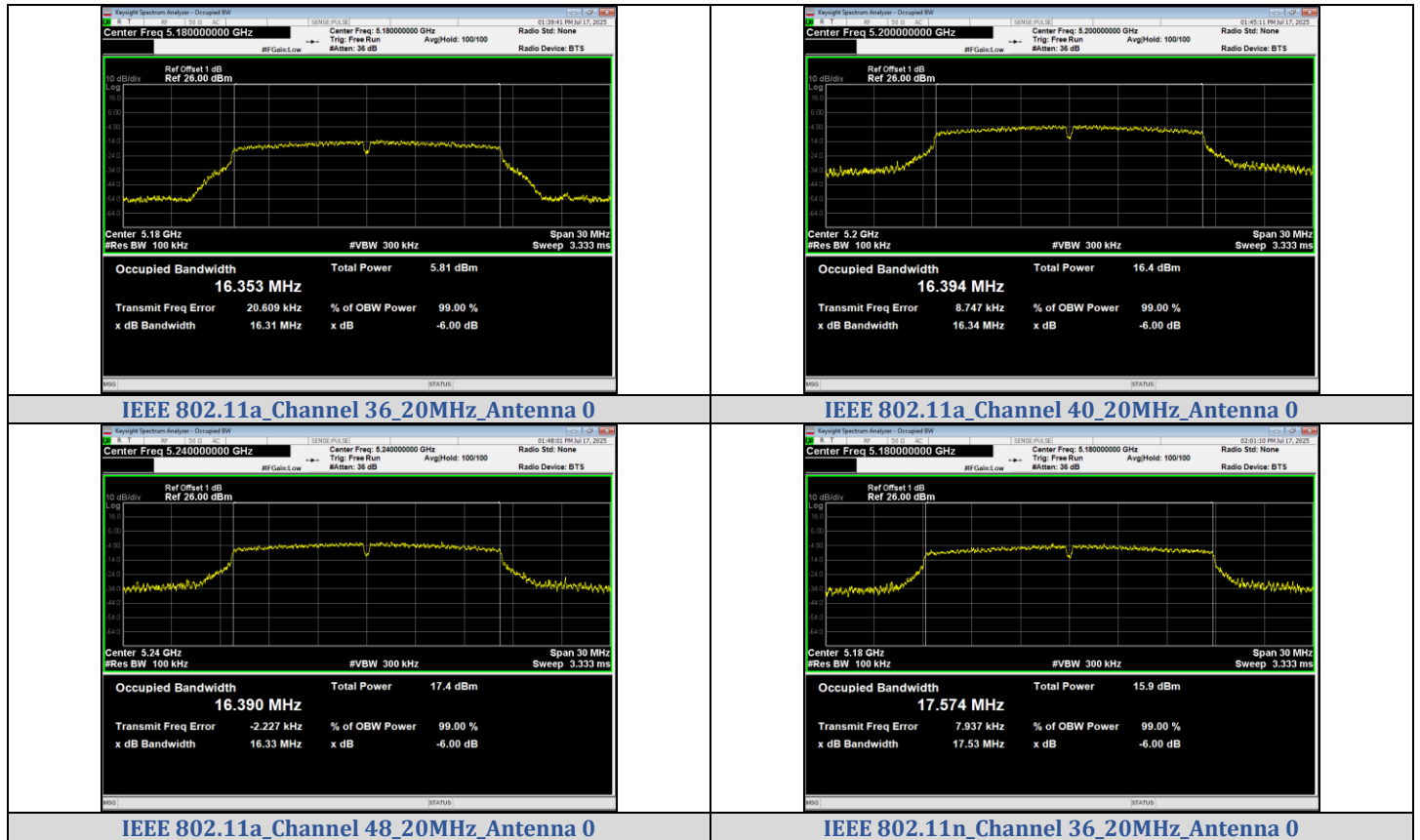
IEEE 802.11ac_Channel 42_80MHz_Antenna 0

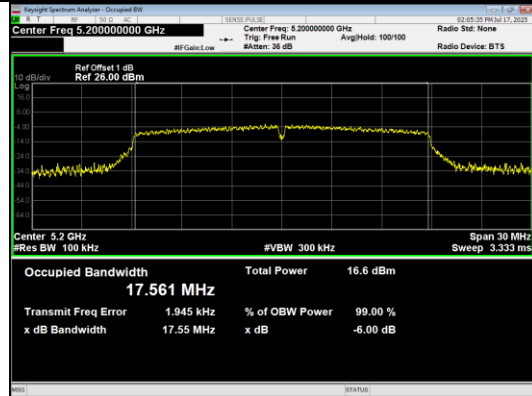
6dB Bandwidth

Test Result

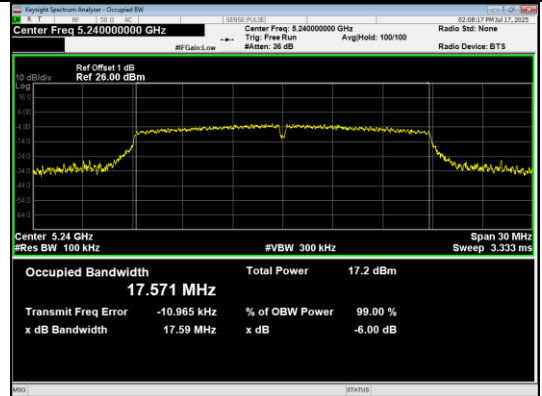
Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11a	36	0	5180	16.31	≥0.5	PASS
	40		5200	16.34		PASS
	48		5240	16.33		PASS
IEEE 802.11n_20	36		5180	17.53		PASS
	40		5200	17.55		PASS
	48		5240	17.59		PASS
IEEE 802.11n_40	38		5190	35.48		PASS
	46		5230	35.63		PASS
IEEE 802.11ac_20	36		5180	17.56		PASS
	40		5200	17.57		PASS
	48		5240	17.58		PASS
IEEE 802.11ac_40	38		5190	35.93		PASS
	46		5230	35.66		PASS
IEEE 802.11ac_80	42		5210	74.71		PASS

Test Graphs

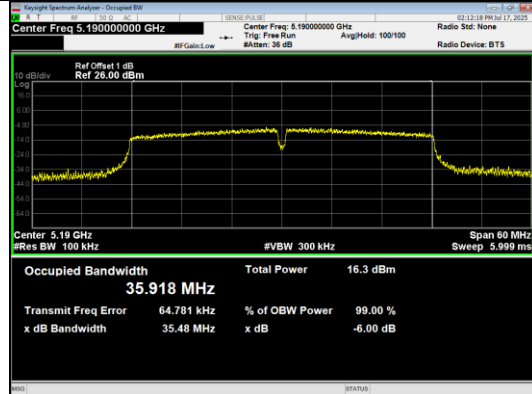




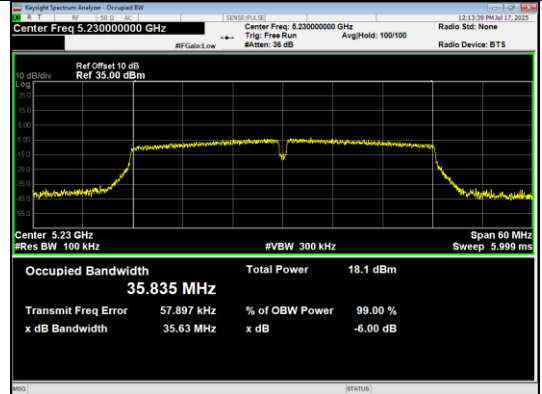
IEEE 802.11n Channel 40_20MHz_Antenna 0



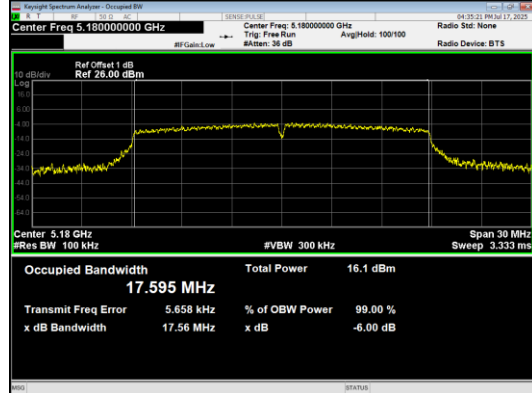
IEEE 802.11n Channel 48_20MHz_Antenna 0



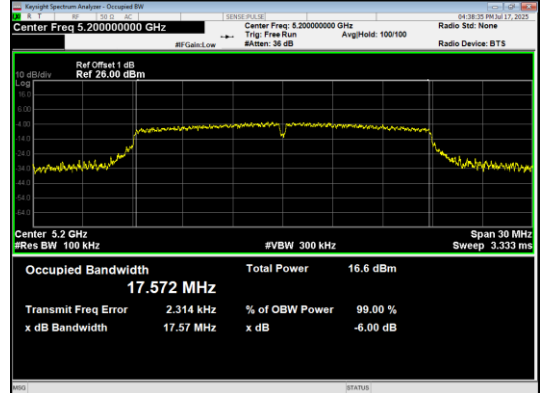
IEEE 802.11n Channel 38_40MHz_Antenna 0



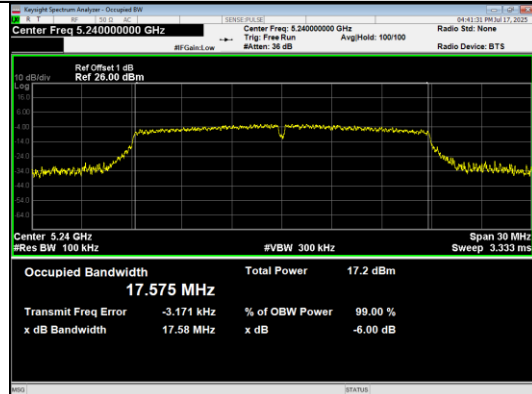
IEEE 802.11n Channel 46_40MHz_Antenna 0



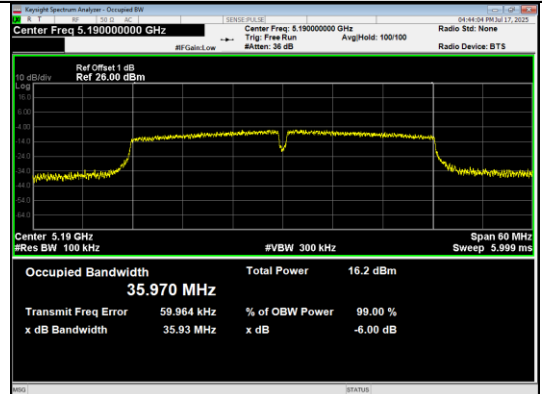
IEEE 802.11ac Channel 36_20MHz_Antenna 0



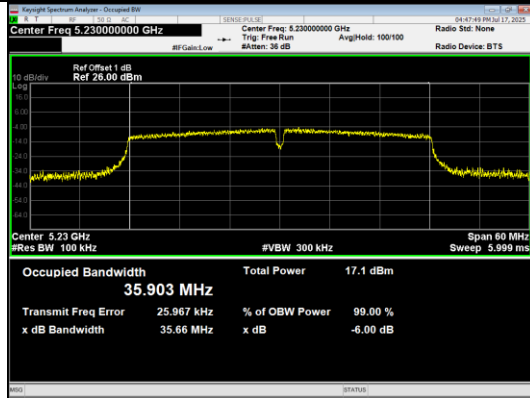
IEEE 802.11ac Channel 40_20MHz_Antenna 0



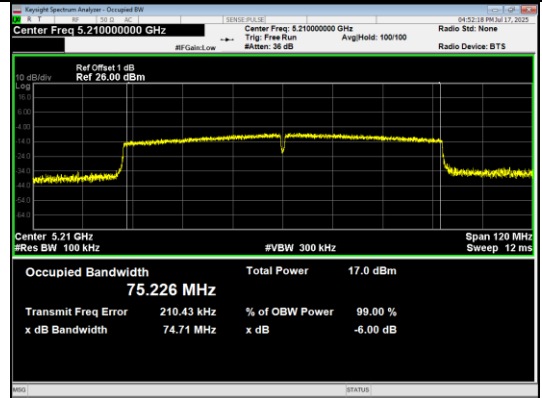
IEEE 802.11ac Channel 48_20MHz_Antenna 0



IEEE 802.11ac Channel 38_40MHz_Antenna 0



IEEE 802.11ac_Channel 46_40MHz_Antenna 0



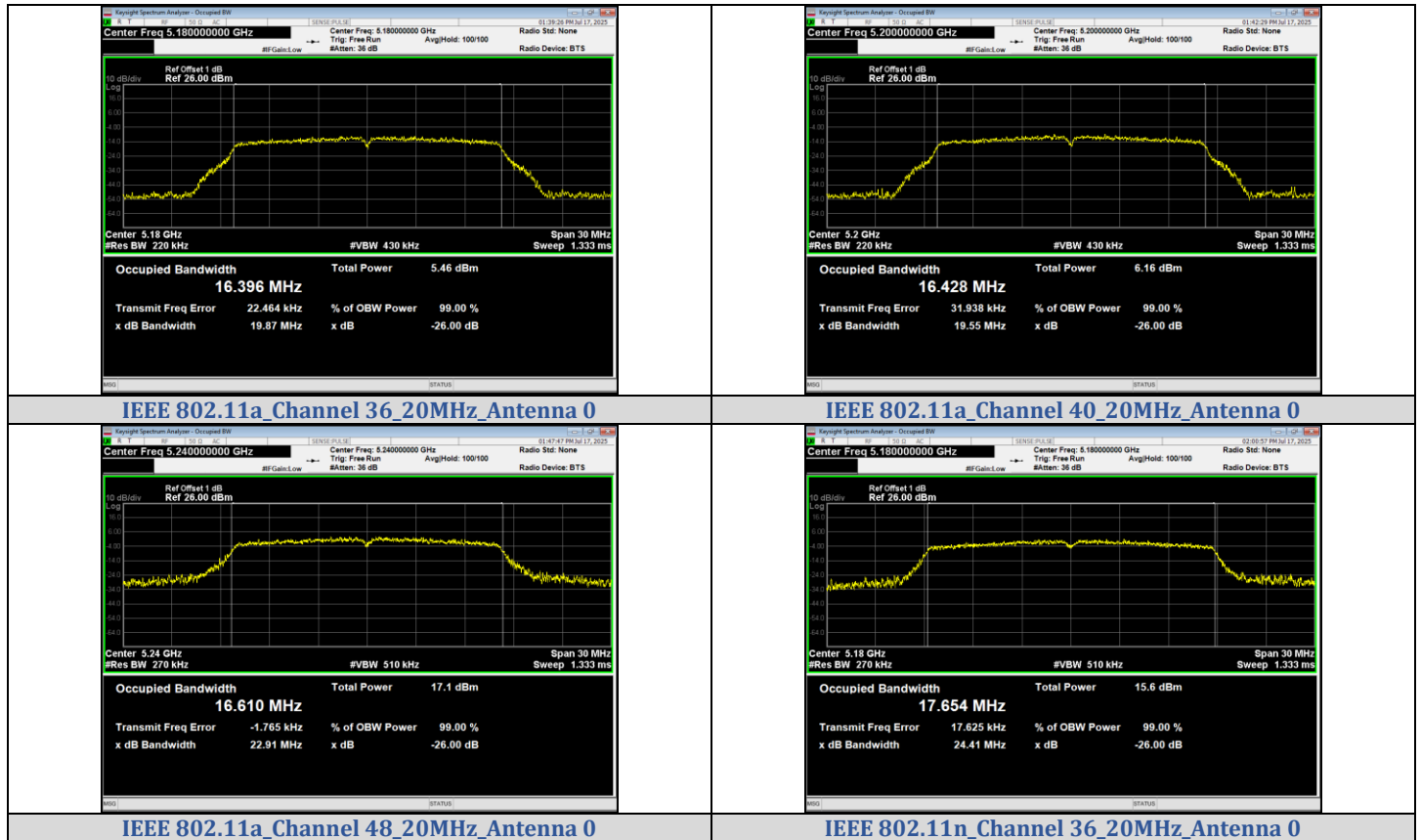
IEEE 802.11ac_Channel 42_80MHz_Antenna 0

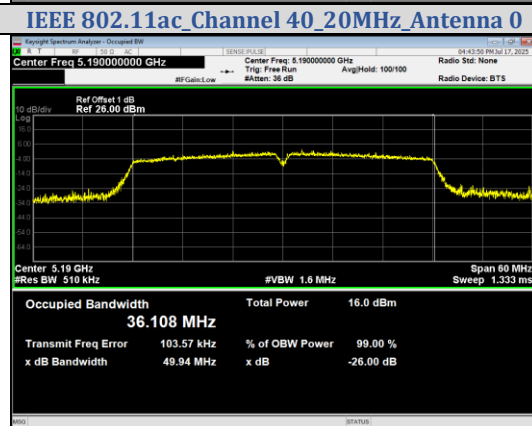
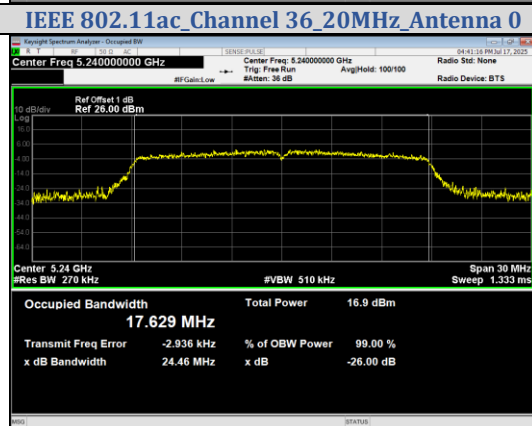
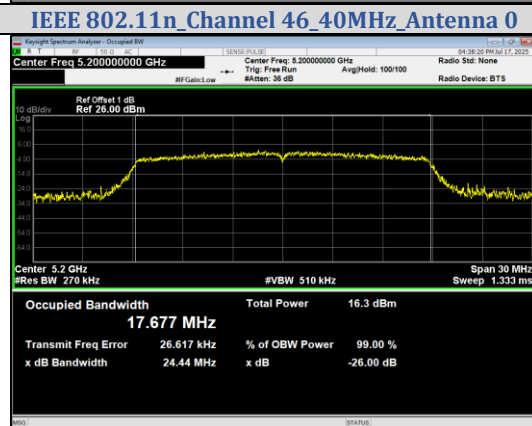
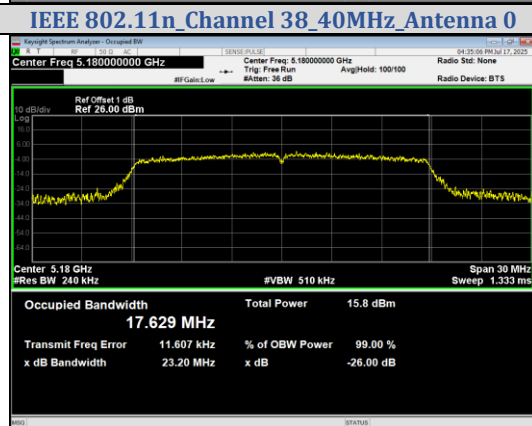
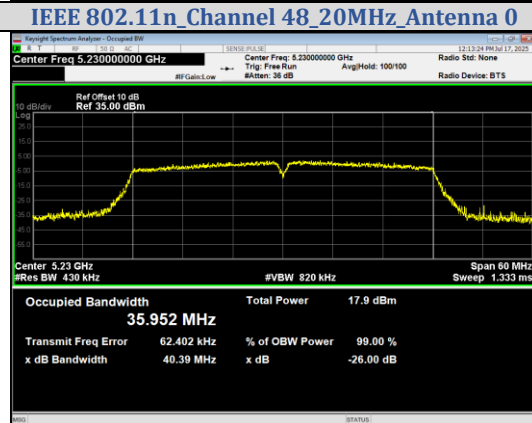
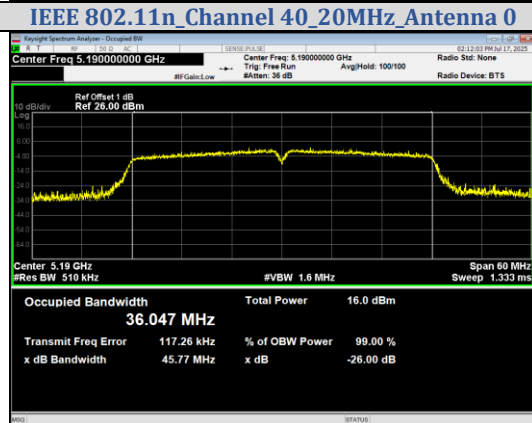
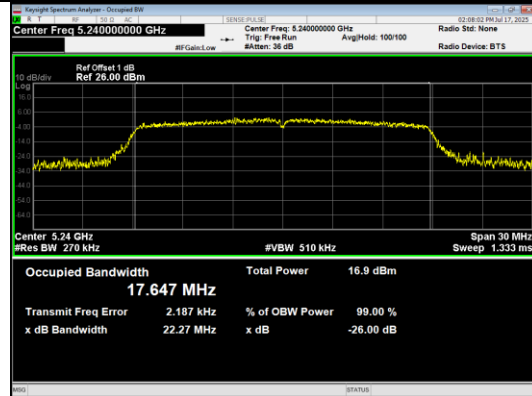
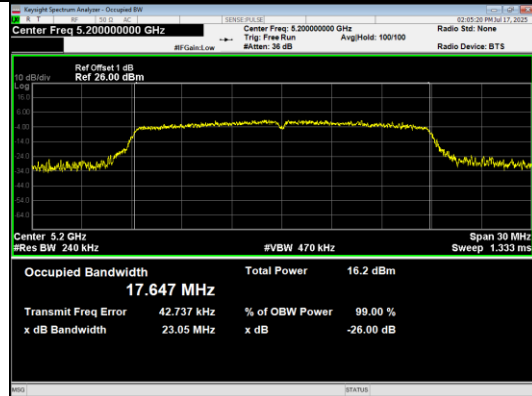
26dB Bandwidth

Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	26 dB Bandwidth (MHz)	RBW/EBW
IEEE 802.11a	36	0	5180	19.87	1.11
	40		5200	19.55	1.13
	48		5240	22.91	1.12
IEEE 802.11n_20	36		5180	24.41	1.1
	40		5200	23.05	1.05
	48		5240	22.27	1.15
IEEE 802.11n_40	38		5190	45.77	1.11
	46		5230	40.39	1.06
IEEE 802.11ac_20	36		5180	23.20	1.08
	40		5200	24.44	1.07
	48		5240	24.46	1.05
IEEE 802.11ac_40	38		5190	49.94	1.02
	46		5230	41.28	1.05
IEEE 802.11ac_80	42		5210	98.96	1.01

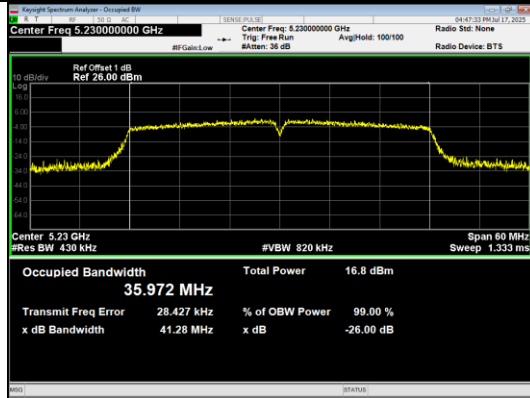
Test Graphs



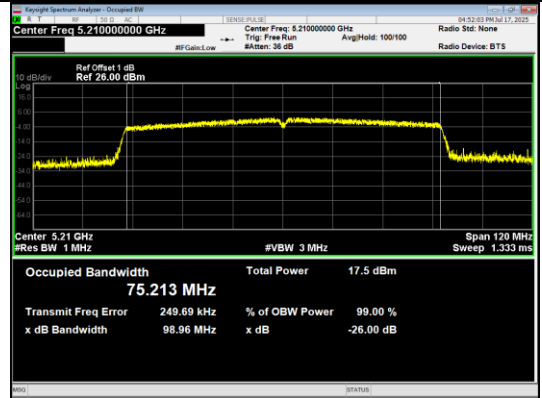


IEEE 802.11ac Channel 48_20MHz_Antenna 0

IEEE 802.11ac Channel 38_40MHz_Antenna 0



IEEE 802.11ac_Channel 46_40MHz_Antenna 0



IEEE 802.11ac_Channel 42_80MHz_Antenna 0

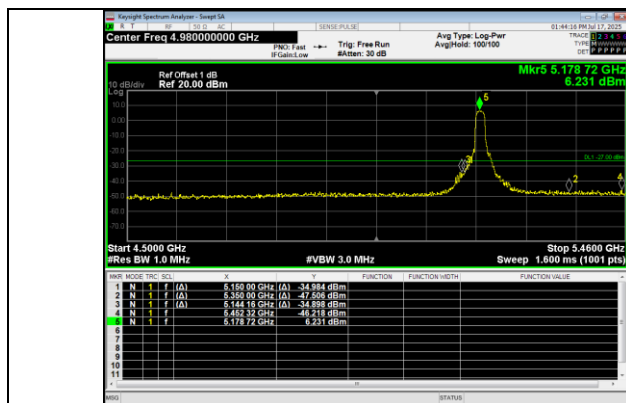
Conducted Out Of Band Emission

Test Result

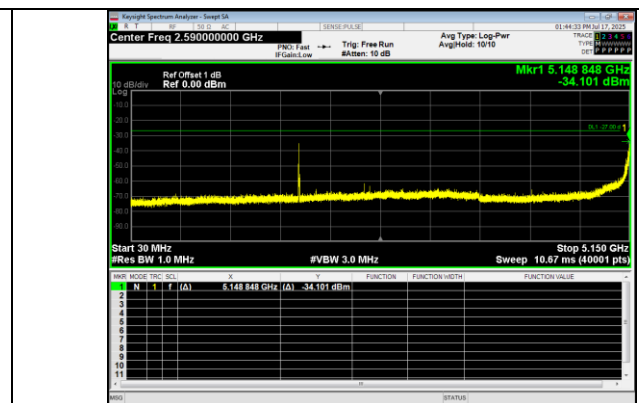
Mode	Channel	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
IEEE 802.11a	36	0	5144.16	-34.898	-27	-8.000	PASS
			5148.85	-34.100	-27	-7.100	PASS
			5150.00	-34.980	-27	-8.000	PASS
			5350.00	-47.510	-27	-21.000	PASS
			5452.32	-46.218	-27	-19.000	PASS
			24993.6	-53.930	-27	-26.930	PASS
	40		1746.35	-30.930	-27	-3.930	PASS
			5149.92	-42.339	-27	-15.000	PASS
			5150.00	-42.340	-27	-15.000	PASS
			5350.00	-47.760	-27	-21.000	PASS
			5452.32	-47.684	-27	-21.000	PASS
			24342.7	-54.560	-27	-27.560	PASS
	48		1764.02	-34.490	-27	-7.490	PASS
			5148.96	-48.976	-27	-22.000	PASS
			5150.00	-49.670	-27	-23.000	PASS
			5350.00	-47.280	-27	-20.000	PASS
			5351.97	-53.180	-27	-26.180	PASS
			5457.12	-46.754	-27	-20.000	PASS
IEEE 802.11n_20	36		5149.92	-33.685	-27	-7.000	PASS
			5150.00	-33.690	-27	-7.000	PASS
			5150.00	-31.860	-27	-4.860	PASS
			5350.00	-47.610	-27	-21.000	PASS
			5423.52	-47.469	-27	-20.000	PASS
			24948.9	-53.680	-27	-26.680	PASS
	40		5144.16	-39.743	-27	-13.000	PASS
			5149.23	-41.260	-27	-14.260	PASS
			5150.00	-41.890	-27	-15.000	PASS
			5350.00	-48.380	-27	-21.000	PASS
			5457.12	-47.261	-27	-20.000	PASS
			24954.8	-53.950	-27	-26.950	PASS
	48		1754.42	-41.750	-27	-14.750	PASS
			5148.00	-48.074	-27	-21.000	PASS
			5150.00	-48.630	-27	-22.000	PASS
			5350.00	-48.800	-27	-22.000	PASS
			5460.00	-48.715	-27	-22.000	PASS
			24946.9	-53.630	-27	-26.630	PASS
IEEE 802.11n_40	38		5149.10	-29.660	-27	-2.660	PASS
			5150.00	-29.520	-27	-3.000	PASS
			5350.00	-47.280	-27	-20.000	PASS
			5458.08	-47.119	-27	-20.000	PASS
			24968.1	-53.590	-27	-26.590	PASS
	46		1746.10	-39.760	-27	-12.760	PASS
			5148.96	-39.211	-27	-12.000	PASS
			5150.00	-40.890	-27	-14.000	PASS
			5350.00	-38.090	-27	-11.000	PASS
			5409.12	-37.507	-27	-11.000	PASS
IEEE 802.11ac_20	36		24920.4	-45.380	-27	-18.380	PASS
			5148.96	-32.455	-27	-5.000	PASS
			5150.00	-32.850	-27	-6.000	PASS
			5150.00	-33.040	-27	-6.040	PASS
			5350.00	-46.870	-27	-20.000	PASS
			5432.16	-45.200	-27	-18.000	PASS
			24976.9	-54.290	-27	-27.290	PASS

	40	1755.44	-39.280	-27	-12.280	PASS
		5141.28	-38.584	-27	-12.000	PASS
		5150.00	-39.490	-27	-12.000	PASS
		5350.00	-47.800	-27	-21.000	PASS
		5453.28	-47.693	-27	-21.000	PASS
		24991.6	-53.480	-27	-26.480	PASS
	48	1763.38	-29.540	-27	-2.540	PASS
		5149.92	-49.029	-27	-22.000	PASS
		5150.00	-49.030	-27	-22.000	PASS
		5350.00	-47.620	-27	-21.000	PASS
		5434.08	-47.583	-27	-21.000	PASS
		24967.1	-53.970	-27	-26.970	PASS
IEEE 802.11ac_40	38	5148.21	-28.530	-27	-1.530	PASS
		5149.92	-29.420	-27	-2.000	PASS
		5150.00	-29.420	-27	-2.000	PASS
		5350.00	-47.130	-27	-20.000	PASS
		5430.24	-46.598	-27	-20.000	PASS
		24901.3	-54.260	-27	-27.260	PASS
	46	2412.46	-38.120	-27	-11.120	PASS
		5148.96	-38.770	-27	-12.000	PASS
		5150.00	-42.680	-27	-16.000	PASS
		5350.00	-47.570	-27	-21.000	PASS
		5358.35	-50.130	-27	-23.130	PASS
		5447.52	-46.849	-27	-20.000	PASS
IEEE 802.11ac_80	42	5147.82	-28.730	-27	-1.730	PASS
		5148.96	-30.038	-27	-3.000	PASS
		5150.00	-30.090	-27	-3.000	PASS
		5350.00	-40.340	-27	-13.000	PASS
		5350.00	-38.510	-27	-11.510	PASS
		5369.76	-40.323	-27	-13.000	PASS

Test Graphs



Out Of Band Emission
IEEE 802.11a_Channel 36_20MHz_Antenna 0



Spurious Emission:30.0~5150 MHz
IEEE 802.11a_Channel 36_20MHz_Antenna 0