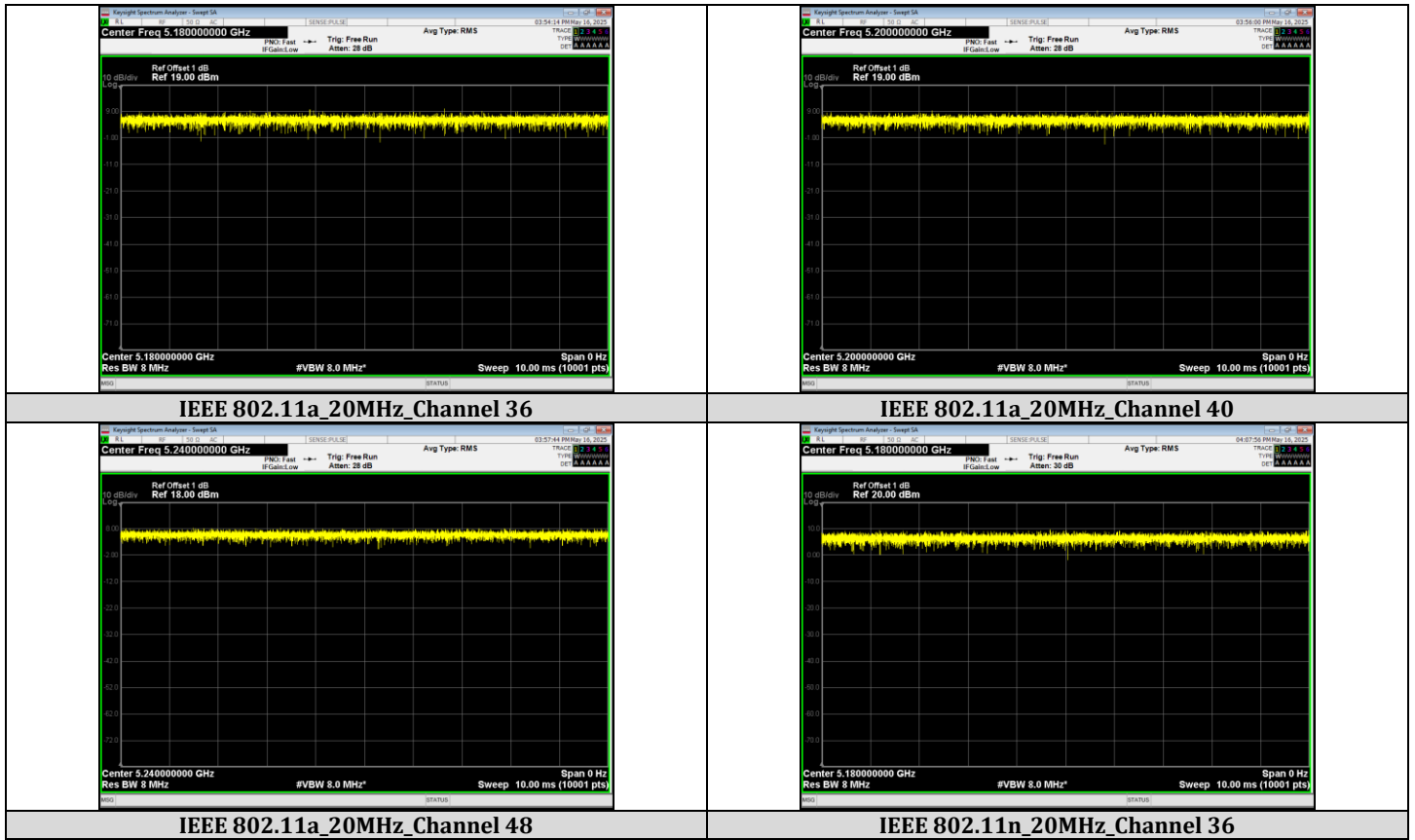
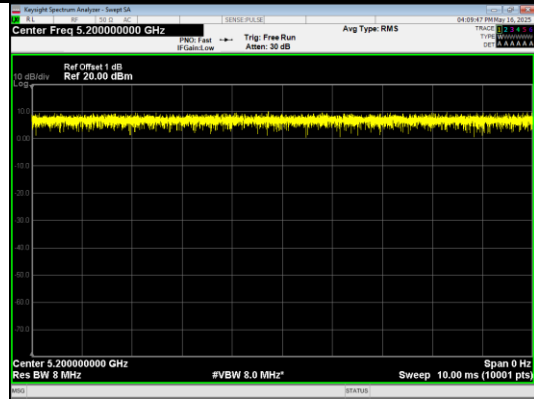


Duty Cycle Test Result

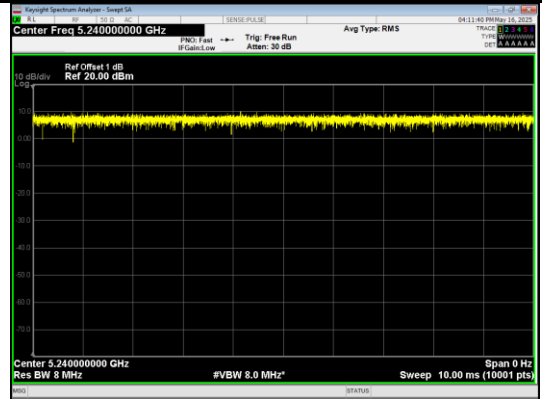
Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
IEEE 802.11a	6	36	1	10.000	10.000	100	1	0.0	0.1000
		40		10.000	10.000	100	1	0.0	0.1000
		48		10.000	10.000	100	1	0.0	0.1000
IEEE 802.11n_20		36		10.000	10.000	100	1	0.0	0.1000
		40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

Test Graphs

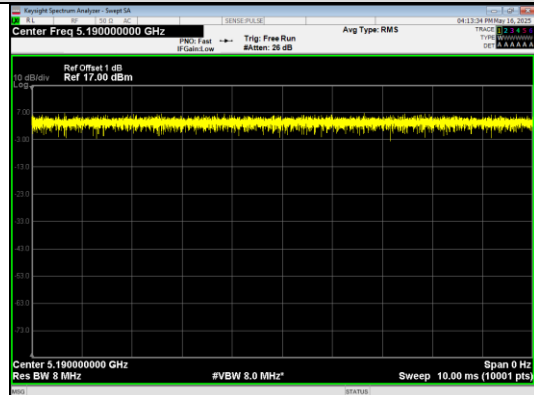




IEEE 802.11n 20MHz_Channel 40



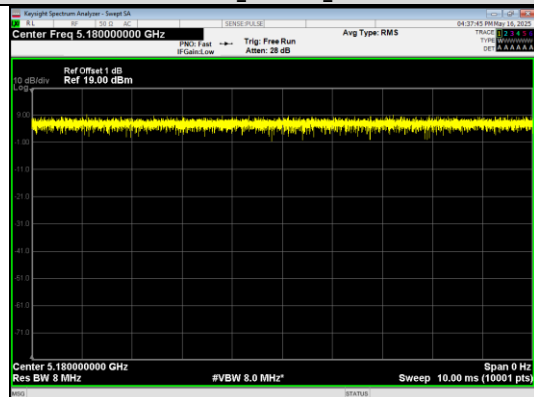
IEEE 802.11n 20MHz_Channel 48



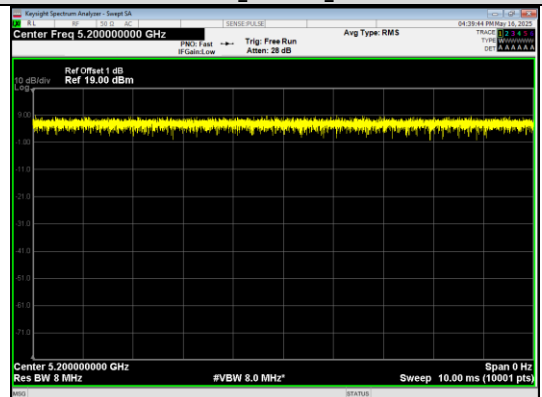
IEEE 802.11n 40MHz_Channel 38



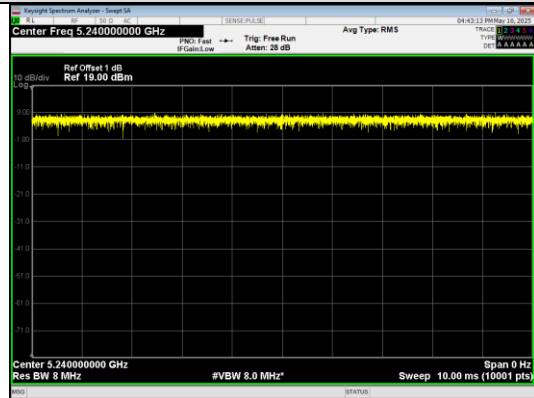
IEEE 802.11n 40MHz_Channel 46



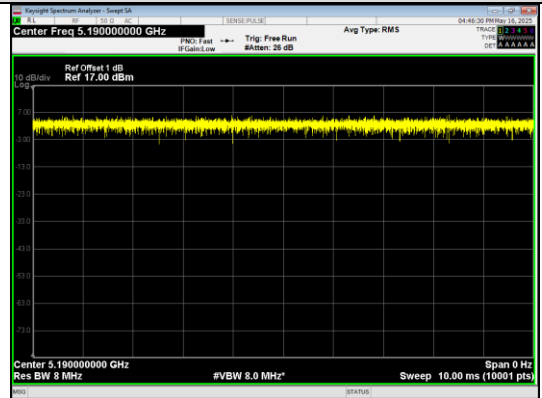
IEEE 802.11ac 20MHz_Channel 36



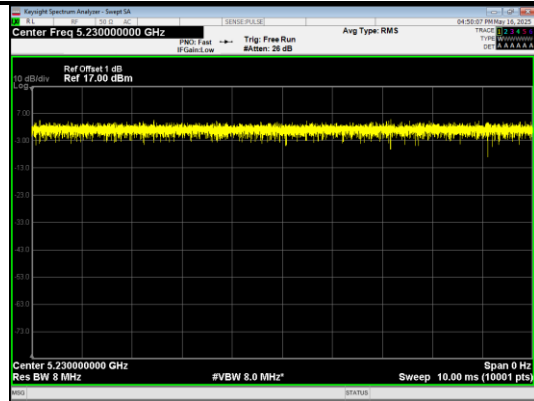
IEEE 802.11ac 20MHz_Channel 40



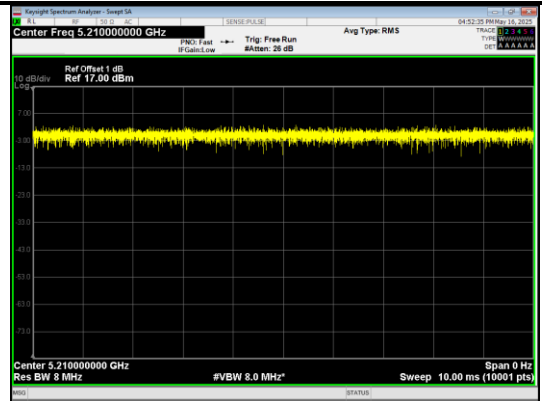
IEEE 802.11ac 20MHz_Channel 48



IEEE 802.11ac 40MHz_Channel 38



IEEE 802.11ac_40MHz_Channel 46

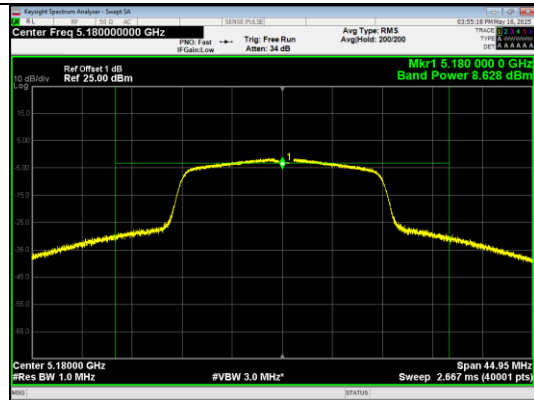


IEEE 802.11ac_80MHz_Channel 42

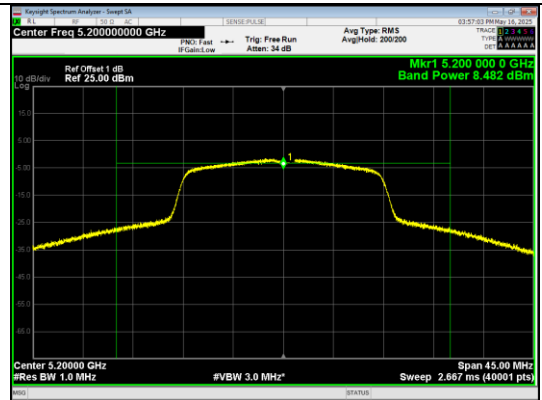
Conducted Output Power

Conducted output power

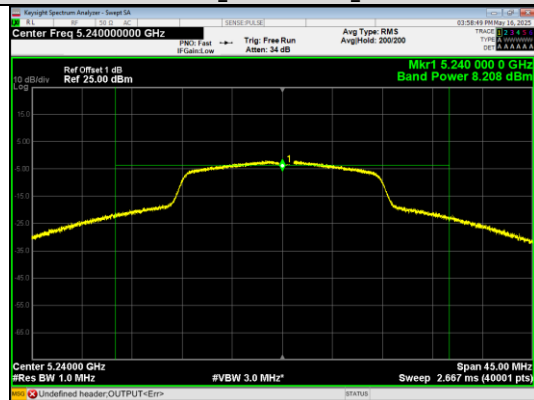
Mode	Channel	Ant. 0 (dBm)	Corr'd Value Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11a	36	8.628	8.63	≤24	PASS
	40	8.482	8.48	≤24	PASS
	48	8.208	8.21	≤24	PASS
IEEE 802.11n_20	36	9.482	9.48	≤24	PASS
	40	9.557	9.56	≤24	PASS
	48	9.429	9.43	≤24	PASS
IEEE 802.11n_40	38	9.160	9.16	≤24	PASS
	46	6.596	6.6	≤24	PASS
IEEE 802.11ac_20	36	8.797	8.8	≤24	PASS
	40	8.754	8.75	≤24	PASS
	48	8.824	8.82	≤24	PASS
IEEE 802.11ac_40	38	8.135	8.13	≤24	PASS
	46	6.604	6.6	≤24	PASS
IEEE 802.11ac_80	42	7.595	7.59	≤24	PASS



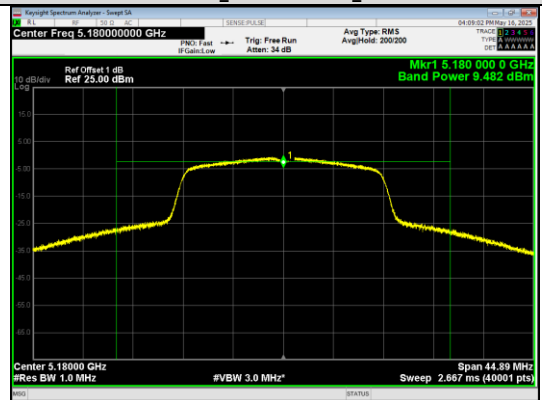
Conducted AVG output power
IEEE 802.11a_Channel 36_Antenna 0



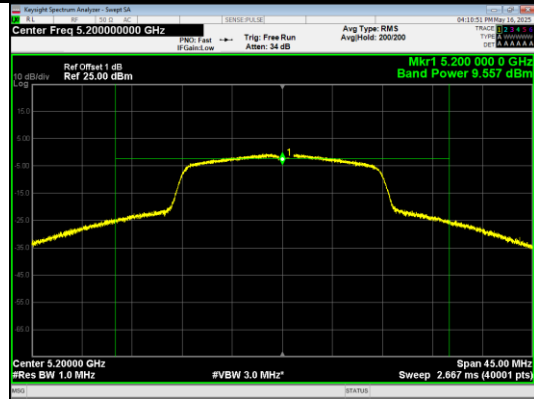
Conducted AVG output power
IEEE 802.11a_Channel 40_Antenna 0



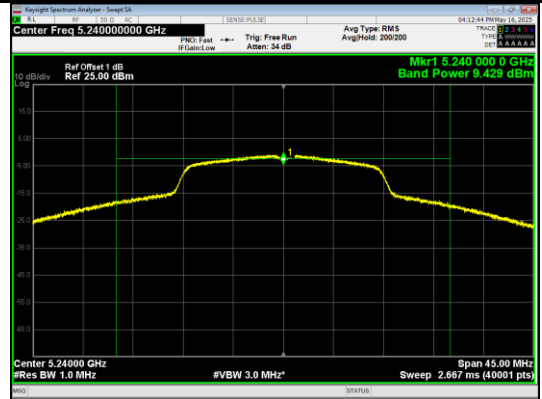
Conducted AVG output power
IEEE 802.11a_Channel 48_Antenna 0



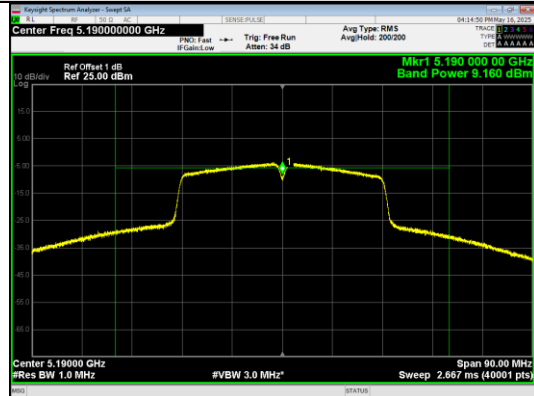
Conducted AVG output power
IEEE 802.11n_20_Channel 36_Antenna 0



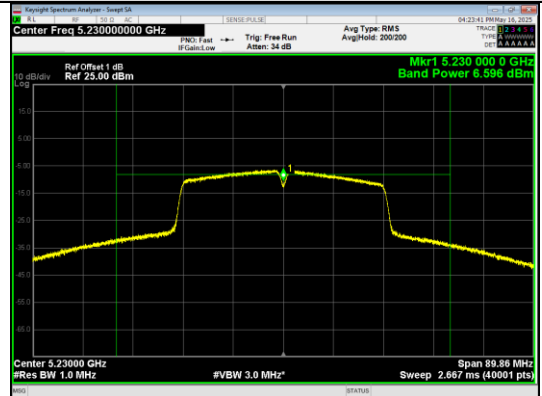
Conducted AVG output power
IEEE 802.11n_20_Channel 40_Antenna 0



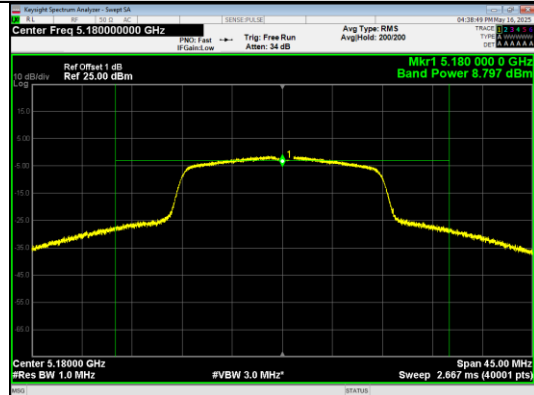
Conducted AVG output power
IEEE 802.11n_20_Channel 48_Antenna 0



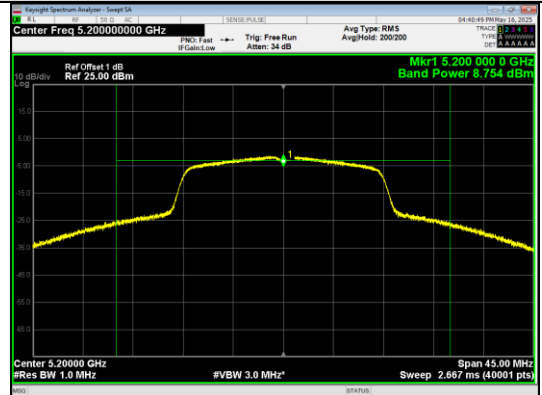
Conducted AVG output power
IEEE 802.11n_40_Channel 38_Antenna 0



Conducted AVG output power
IEEE 802.11n_40_Channel 46_Antenna 0



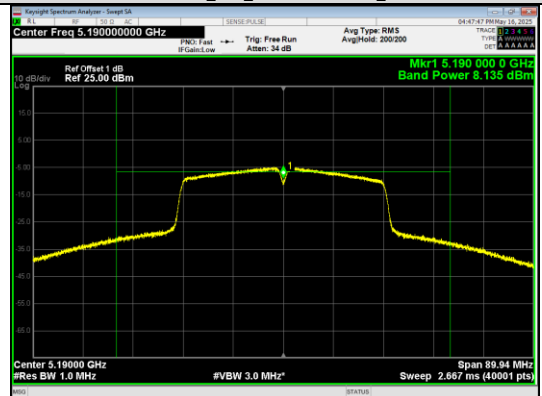
Conducted AVG output power
IEEE 802.11ac_20_Channel 36_Antenna 0



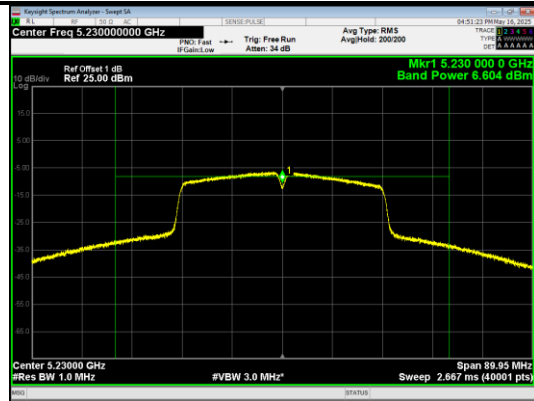
Conducted AVG output power
IEEE 802.11ac_20_Channel 40_Antenna 0



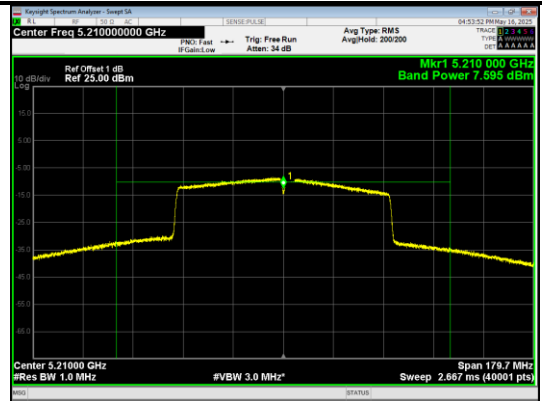
Conducted AVG output power
IEEE 802.11ac_40_Channel 48_Antenna 0



Conducted AVG output power
IEEE 802.11ac_40_Channel 38_Antenna 0



Conducted AVG output power
IEEE 802.11ac_40_Channel 46_Antenna 0



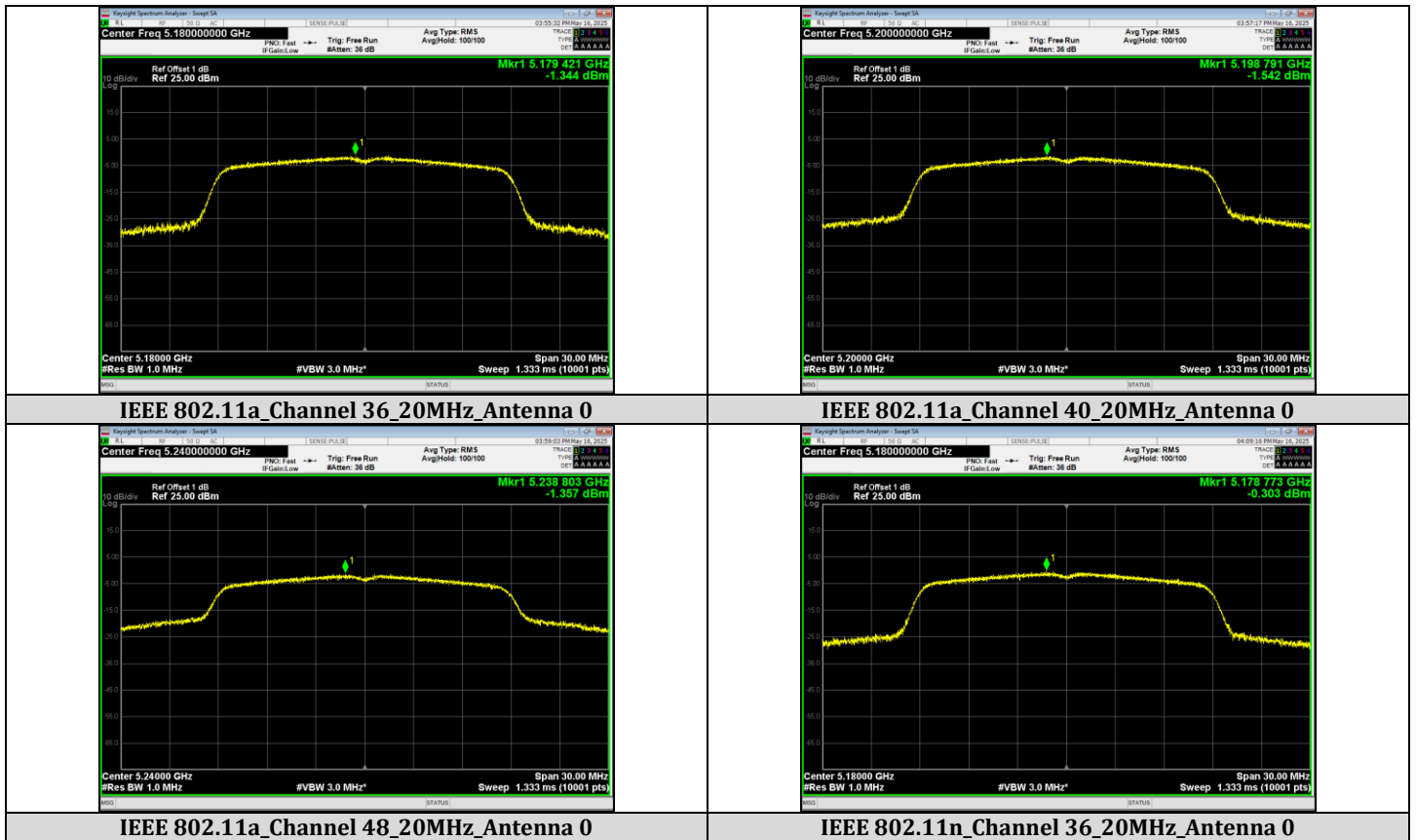
Conducted AVG output power
IEEE 802.11ac_80_Channel 42_Antenna 0

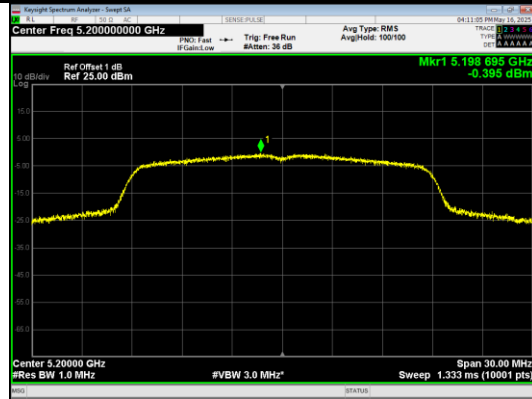
Peak Power Spectral Density

Test Result

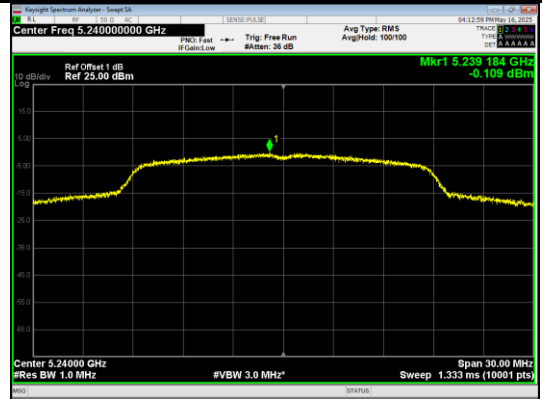
Mode	Channel	Ant. 0 Meas PSD (dBm/MHz or dBm/0.5MHz)	Ant. 0 Corr'd PSD (dBm/MHz or dBm/0.5MHz)	Limit (dBm/MHz or dBm/0.5MHz)	Result
IEEE 802.11a	36	-1.344	-1.344	11	PASS
	40	-1.542	-1.542		PASS
	48	-1.357	-1.357		PASS
IEEE 802.11n_20	36	-0.303	-0.303		PASS
	40	-0.395	-0.395		PASS
	48	-0.109	-0.109		PASS
IEEE 802.11n_40	38	-3.770	-3.77		PASS
	46	-5.805	-5.805		PASS
IEEE 802.11ac_20	36	-1.242	-1.242		PASS
	40	-1.138	-1.138		PASS
	48	-0.785	-0.785		PASS
IEEE 802.11ac_40	38	-4.831	-4.831		PASS
	46	-5.940	-5.94		PASS
IEEE 802.11ac_80	42	-8.368	-8.368		PASS

Test Graphs

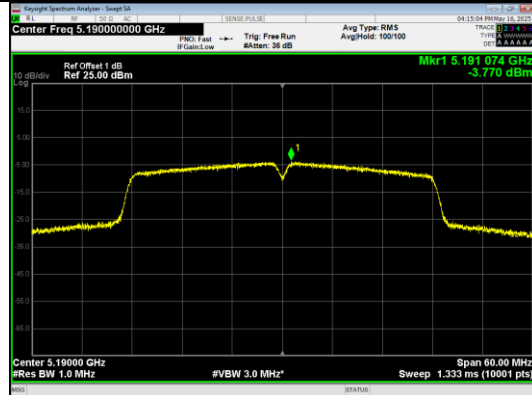




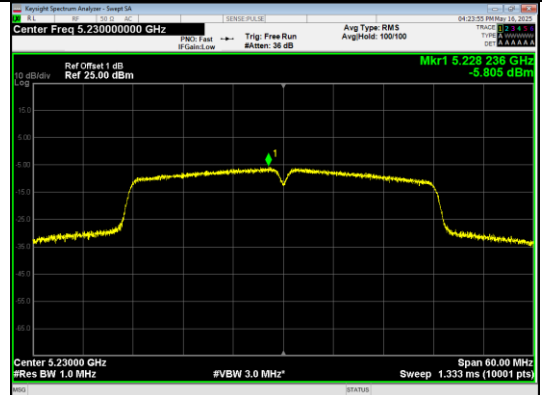
IEEE 802.11n_Channel 40_20MHz_Antenna 0



IEEE 802.11n_Channel 48_20MHz_Antenna 0



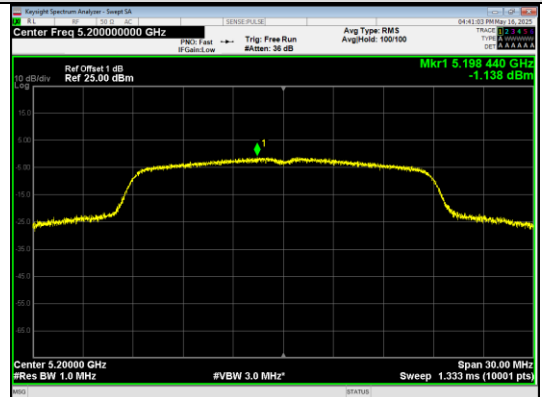
IEEE 802.11n_Channel 38_40MHz_Antenna 0



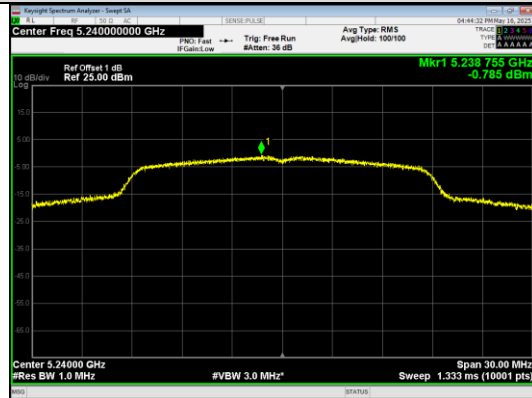
IEEE 802.11n_Channel 46_40MHz_Antenna 0



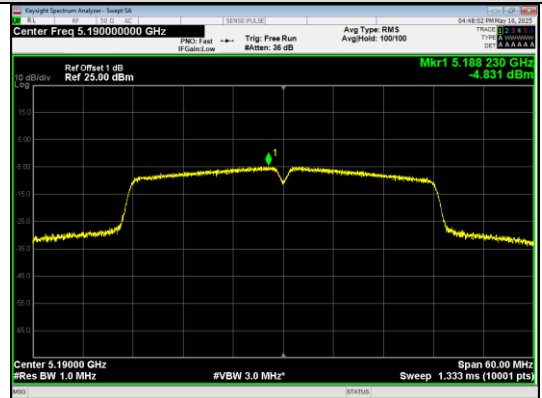
IEEE 802.11ac_Channel 36_20MHz_Antenna 0



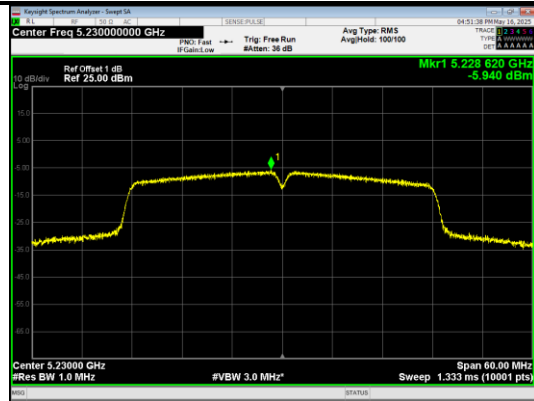
IEEE 802.11ac_Channel 40_20MHz_Antenna 0



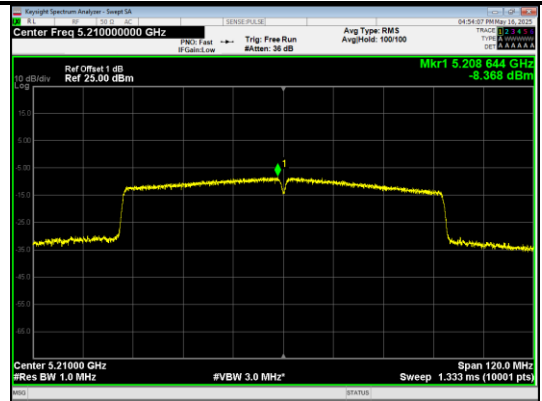
IEEE 802.11ac_Channel 48_20MHz_Antenna 0



IEEE 802.11ac_Channel 38_40MHz_Antenna 0



IEEE 802.11ac_Channel 46_40MHz_Antenna 0



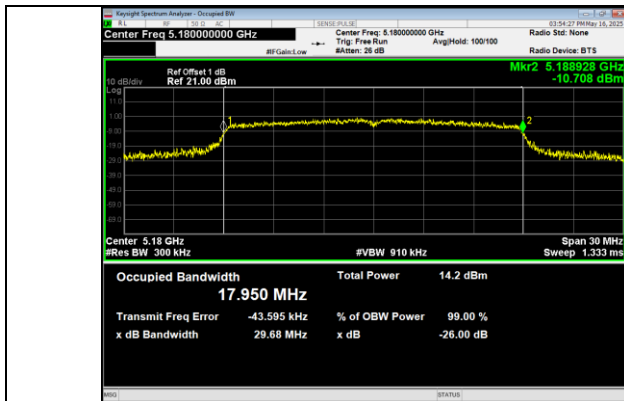
IEEE 802.11ac_Channel 42_80MHz_Antenna 0

99% Bandwidth

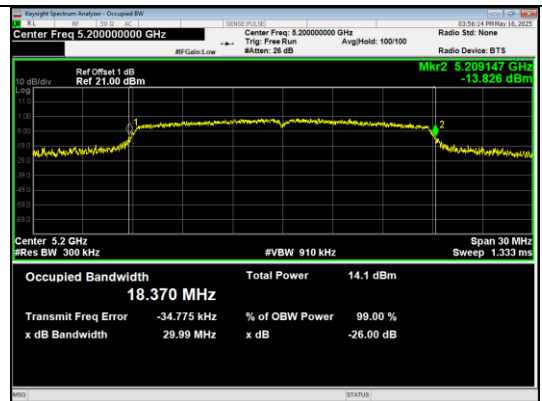
Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11a	36	0	5180	17.950
	40		5200	18.370
	48		5240	24.296
IEEE 802.11n_20	36		5180	18.185
	40		5200	19.804
	48		5240	25.945
IEEE 802.11n_40	38		5190	36.737
	46		5230	36.570
IEEE 802.11ac_20	36		5180	18.101
	40		5200	19.313
	48		5240	25.795
IEEE 802.11ac_40	38		5190	36.828
	46		5230	36.606
IEEE 802.11ac_80	42		5210	76.886

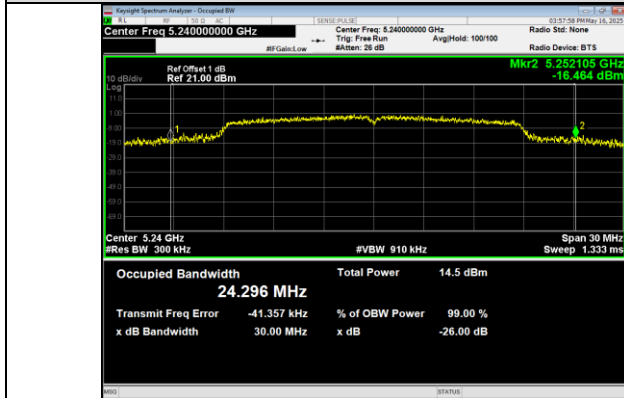
Test Graphs



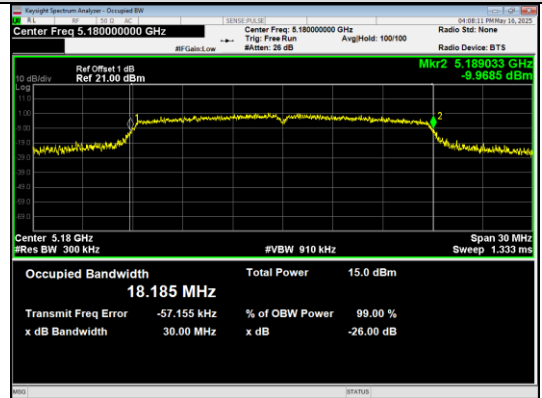
IEEE 802.11a_Channel 36_20MHz_Antenna 0



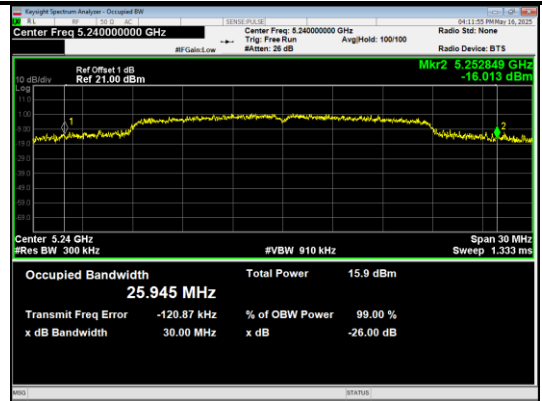
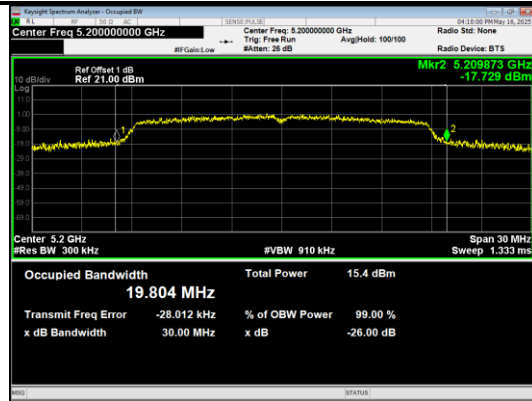
IEEE 802.11a_Channel 40_20MHz_Antenna 0



IEEE 802.11a_Channel 48_20MHz_Antenna 0

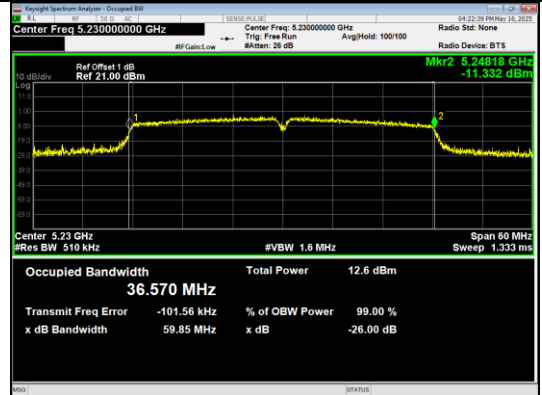
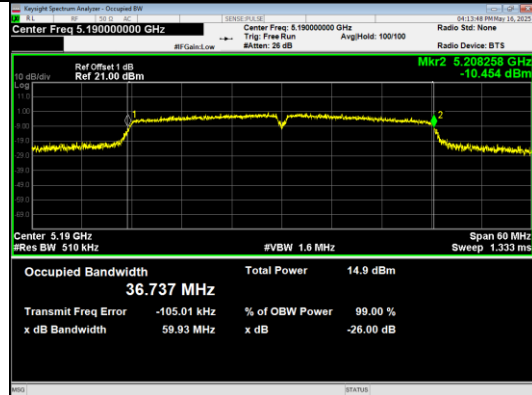


IEEE 802.11n_Channel 36_20MHz_Antenna 0



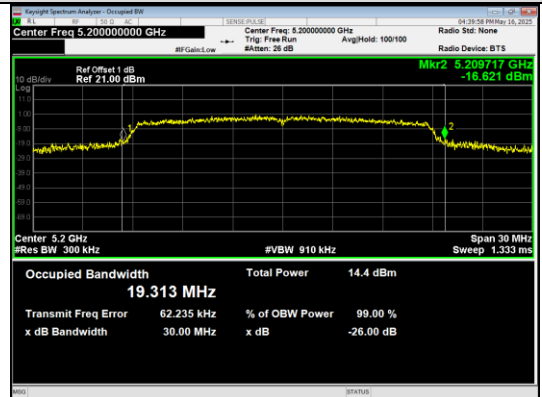
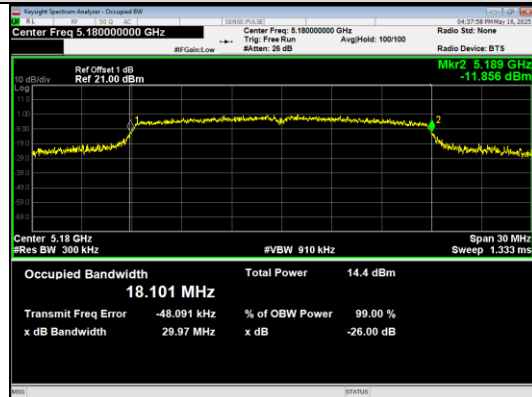
IEEE 802.11n_Channel 40_20MHz_Antenna 0

IEEE 802.11n_Channel 48_20MHz_Antenna 0



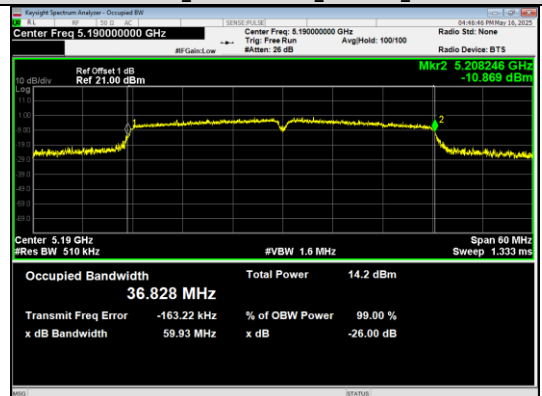
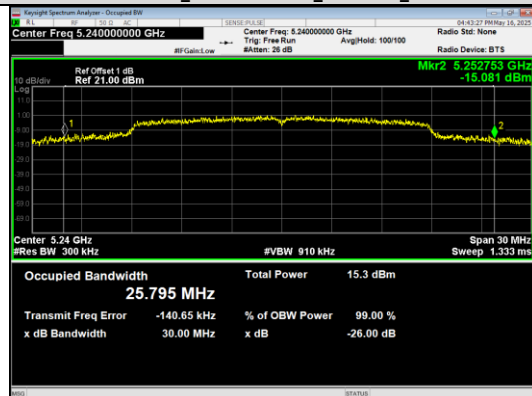
IEEE 802.11n_Channel 38_40MHz_Antenna 0

IEEE 802.11n_Channel 46_40MHz_Antenna 0



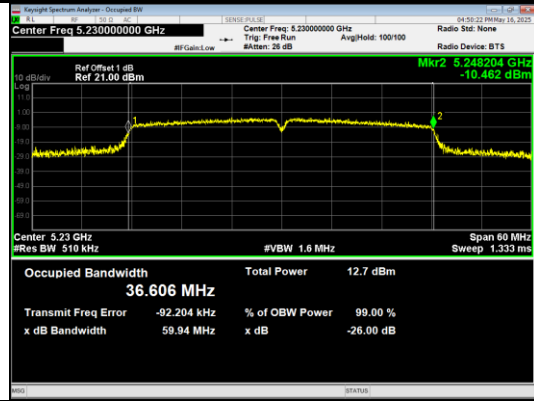
IEEE 802.11ac_Channel 36_20MHz_Antenna 0

IEEE 802.11ac_Channel 40_20MHz_Antenna 0

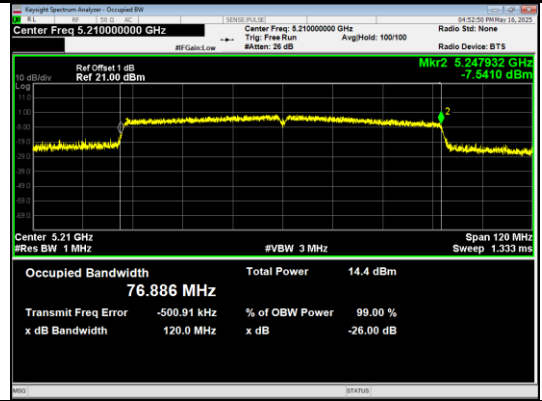


IEEE 802.11ac_Channel 48_20MHz_Antenna 0

IEEE 802.11ac_Channel 38_40MHz_Antenna 0



IEEE 802.11ac_Channel 46_40MHz_Antenna 0



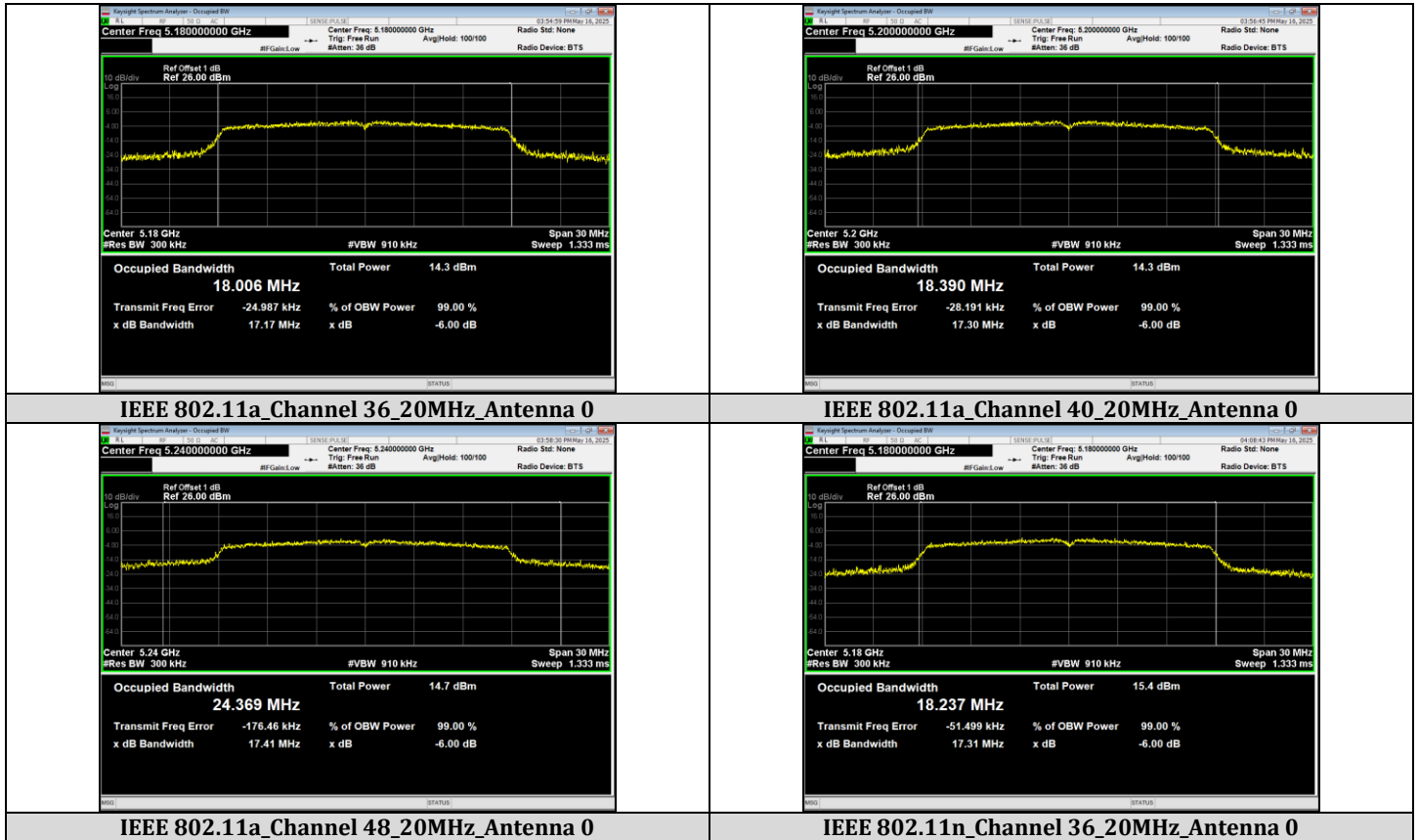
IEEE 802.11ac_Channel 42_80MHz_Antenna 0

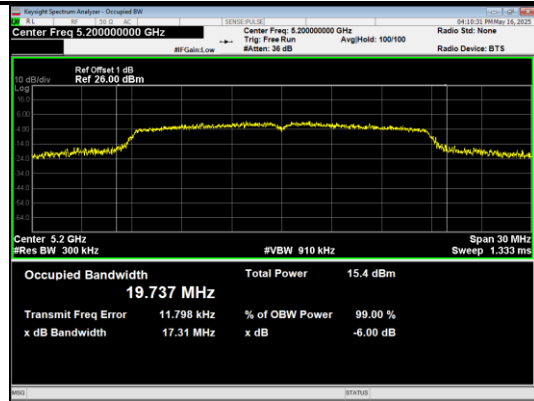
6dB Bandwidth

Test Result

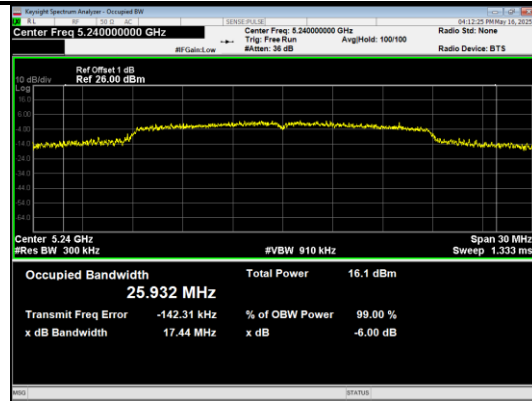
Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11a	36	0	5180	17.17	≥0.5	PASS
	40		5200	17.30		PASS
	48		5240	17.41		PASS
IEEE 802.11n_20	36		5180	17.31		PASS
	40		5200	17.31		PASS
	48		5240	17.44		PASS
IEEE 802.11n_40	38		5190	35.74		PASS
	46		5230	35.15		PASS
IEEE 802.11ac_20	36		5180	17.28		PASS
	40		5200	17.24		PASS
	48		5240	17.52		PASS
IEEE 802.11ac_40	38		5190	35.79		PASS
	46		5230	35.37		PASS
IEEE 802.11ac_80	42		5210	75.18		PASS

Test Graphs

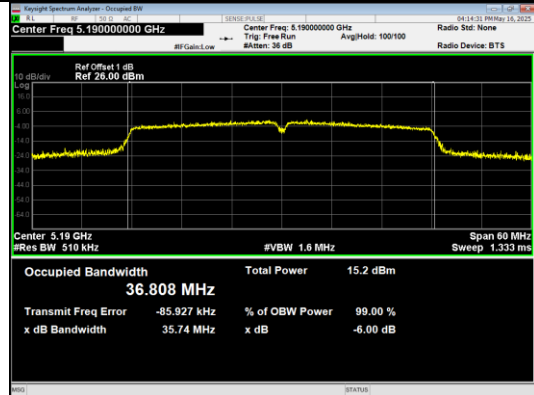




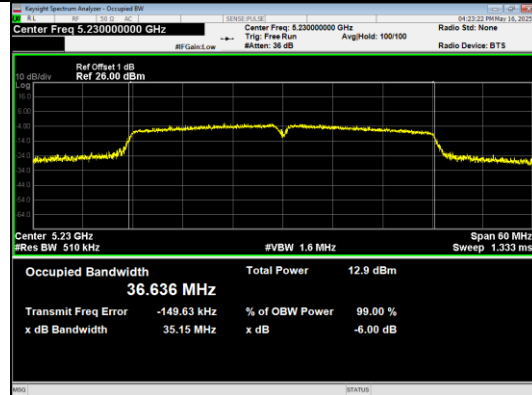
IEEE 802.11n_Channel 40_20MHz_Antenna 0



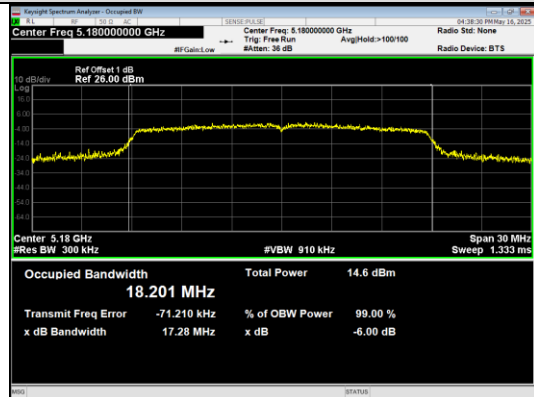
IEEE 802.11n_Channel 48_20MHz_Antenna 0



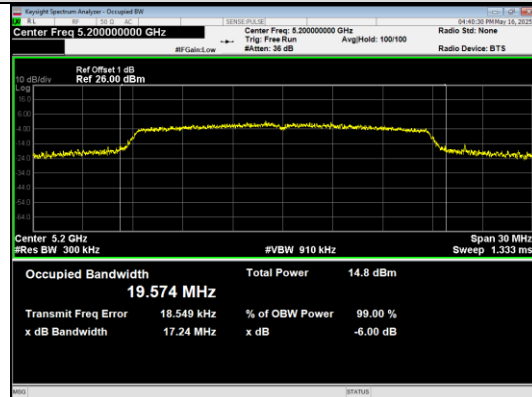
IEEE 802.11n_Channel 38_40MHz_Antenna 0



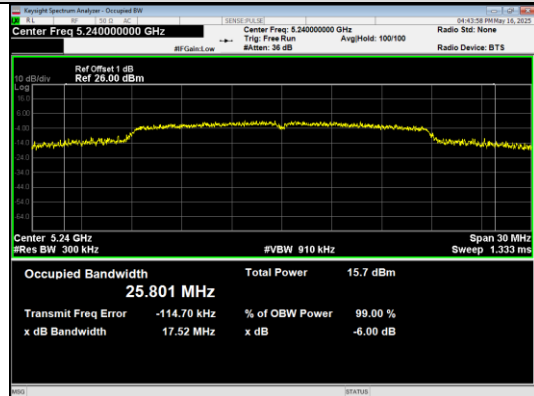
IEEE 802.11n_Channel 46_40MHz_Antenna 0



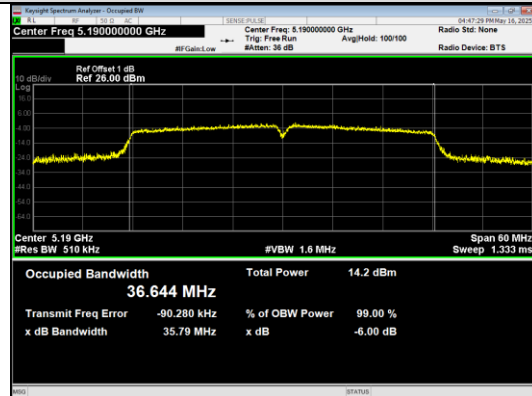
IEEE 802.11ac_Channel 36_20MHz_Antenna 0



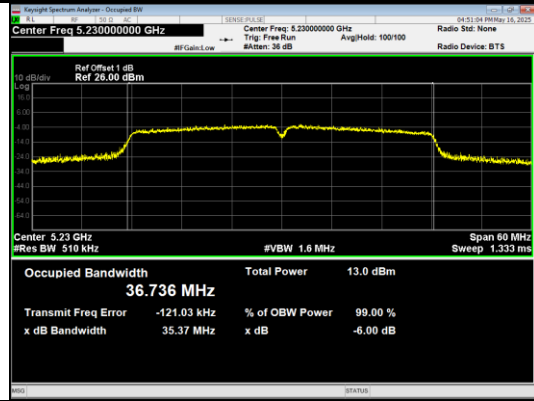
IEEE 802.11ac_Channel 40_20MHz_Antenna 0



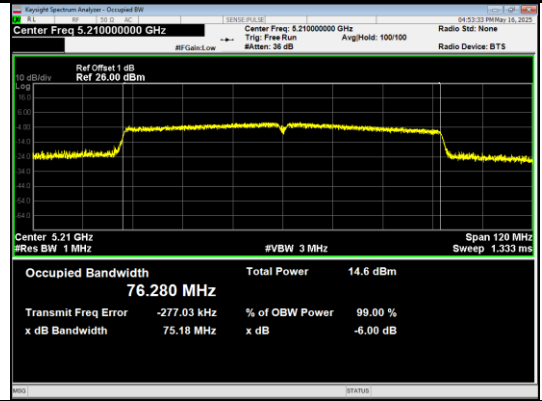
IEEE 802.11ac_Channel 48_20MHz_Antenna 0



IEEE 802.11ac_Channel 38_40MHz_Antenna 0



IEEE 802.11ac_Channel 46_40MHz_Antenna 0



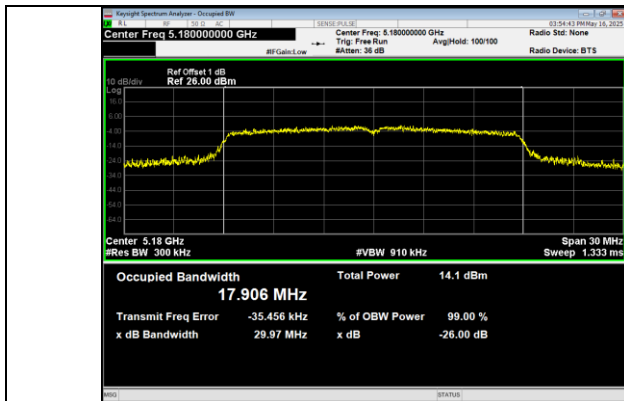
IEEE 802.11ac_Channel 42_80MHz_Antenna 0

26dB Bandwidth

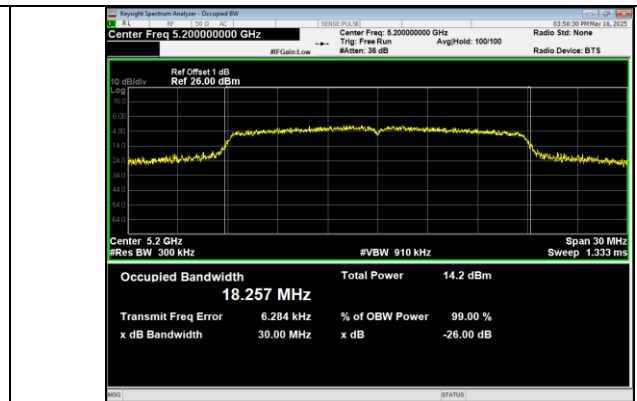
Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	26 dB Bandwidth (MHz)	RBW/EBW
IEEE 802.11a	36	0	5180	29.97	1.0
	40		5200	30.00	1.0
	48		5240	30.00	1.0
IEEE 802.11n_20	36		5180	29.93	1.0
	40		5200	30.00	1.0
	48		5240	30.00	1.0
IEEE 802.11n_40	38		5190	60.00	1.03
	46		5230	59.91	1.03
IEEE 802.11ac_20	36		5180	30.00	1.0
	40		5200	30.00	1.0
	48		5240	30.00	1.0
IEEE 802.11ac_40	38		5190	59.96	1.03
	46		5230	59.97	1.03
IEEE 802.11ac_80	42		5210	119.80	1.02

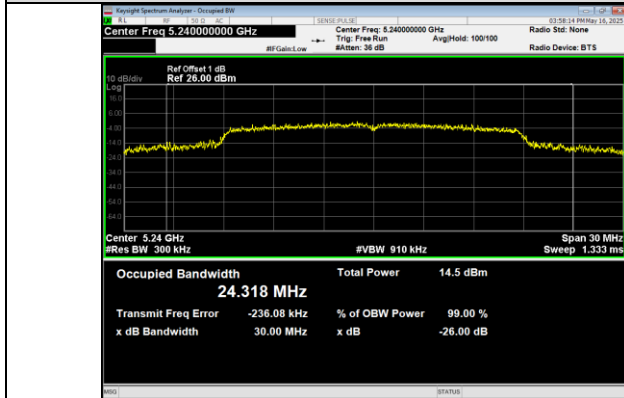
Test Graphs



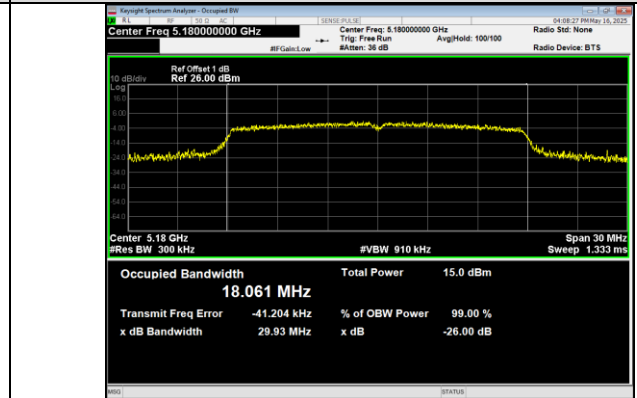
IEEE 802.11a_Channel 36_20MHz_Antenna 0



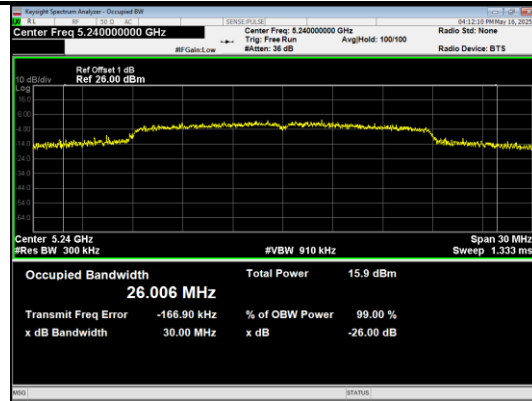
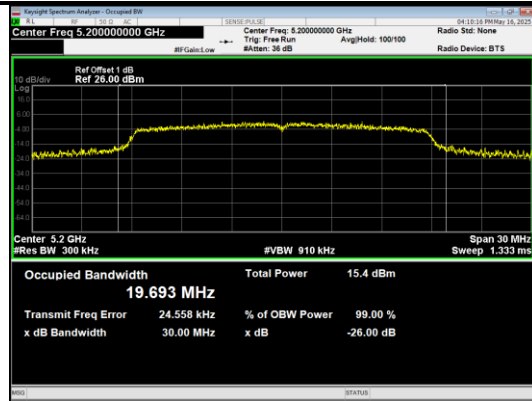
IEEE 802.11a_Channel 40_20MHz_Antenna 0



IEEE 802.11a_Channel 48_20MHz_Antenna 0

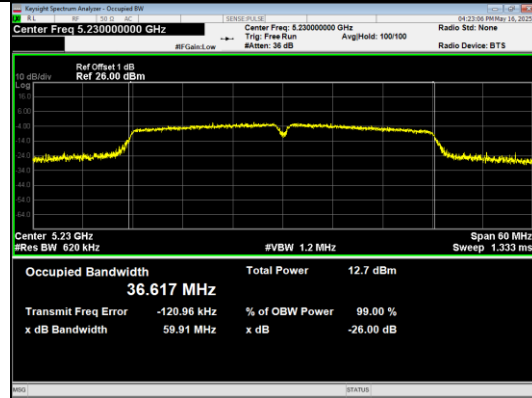
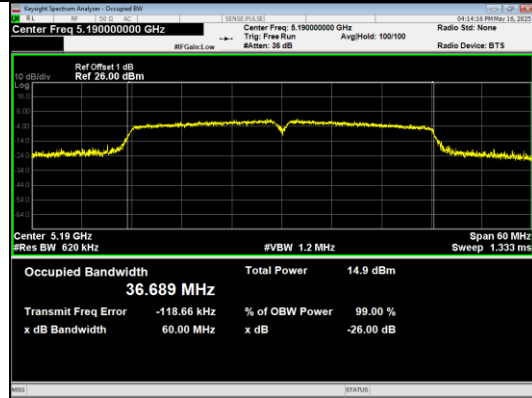


IEEE 802.11n_Channel 36_20MHz_Antenna 0



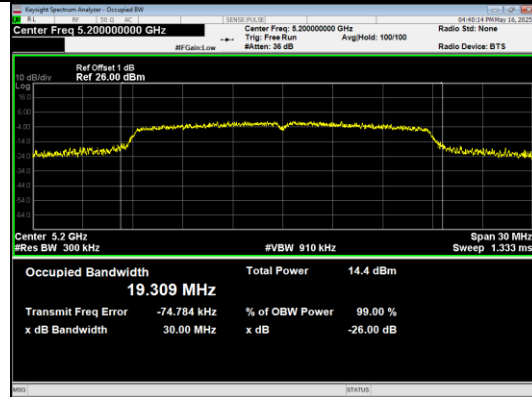
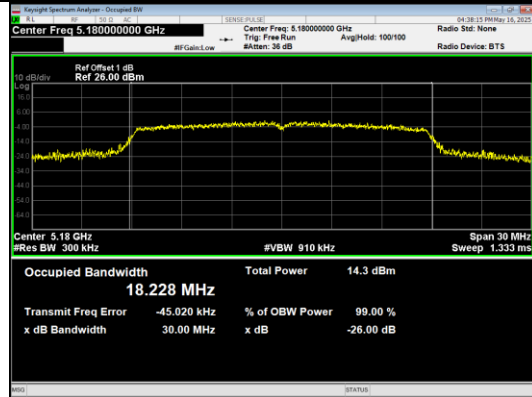
IEEE 802.11n_Channel 40_20MHz_Antenna 0

IEEE 802.11n_Channel 48_20MHz_Antenna 0



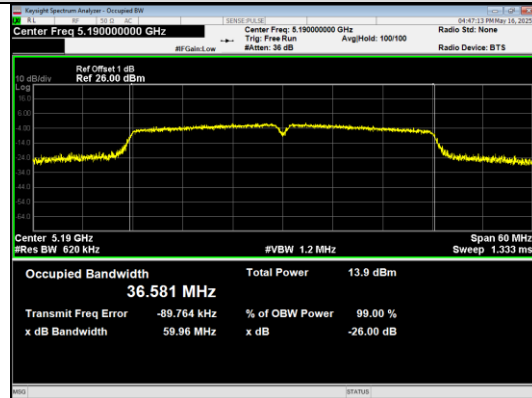
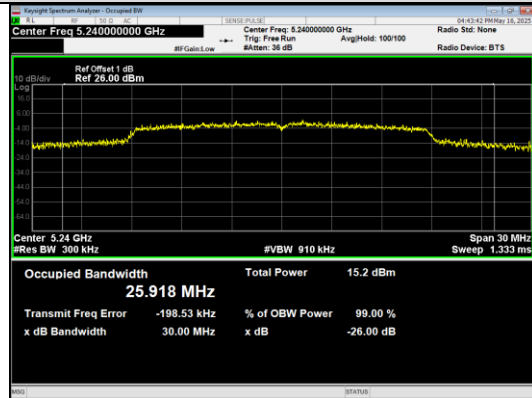
IEEE 802.11n_Channel 38_40MHz_Antenna 0

IEEE 802.11n_Channel 46_40MHz_Antenna 0



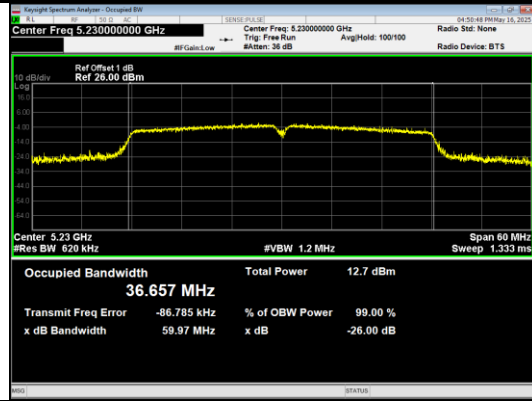
IEEE 802.11ac_Channel 36_20MHz_Antenna 0

IEEE 802.11ac_Channel 40_20MHz_Antenna 0

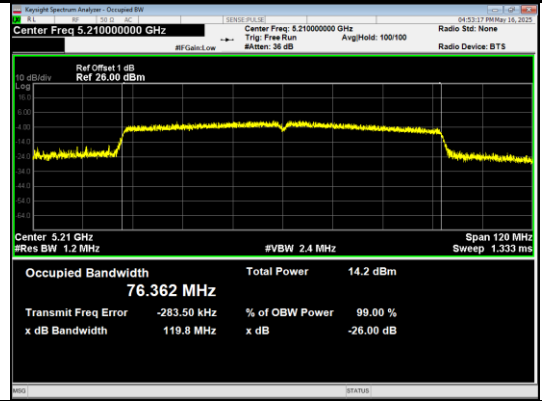


IEEE 802.11ac_Channel 48_20MHz_Antenna 0

IEEE 802.11ac_Channel 38_40MHz_Antenna 0



IEEE 802.11ac_Channel 46_40MHz_Antenna 0



IEEE 802.11ac_Channel 42_80MHz_Antenna 0

Frequency Stability

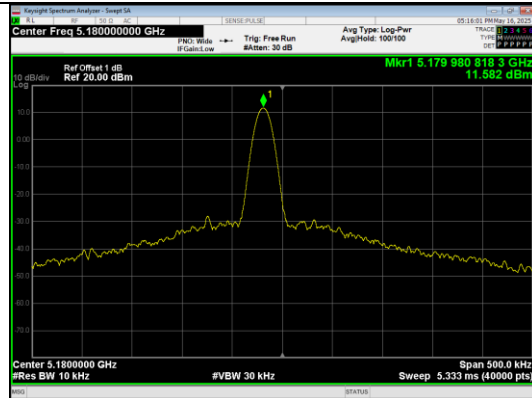
Test Result

Condition	Mode	Ch.	Antenna	Center Frequency (MHz)	Calculated Value of Center Frequency(MHz)	Result (ppm)	Limit (ppm)	State
NT/NV	IEEE 802.11a	36	0	5180.0	5179.980818	-3.7	Within authorized band	PASS
		40		5200.0	5199.979981	-3.85		PASS
		48		5240.0	5239.979331	-3.94		PASS
	IEEE 802.11n_20	36		5180.0	5179.979381	-3.98		PASS
		40		5200.0	5199.978106	-4.21		PASS
		48		5240.0	5239.977456	-4.3		PASS
	IEEE 802.11n_40	38		5190.0	5189.977606	-4.31		PASS
		46		5230.0	5229.977693	-4.27		PASS
	IEEE 802.11ac_20	36		5180.0	5179.977018	-4.44		PASS
		40		5200.0	5199.976893	-4.44		PASS
		48		5240.0	5239.976768	-4.43		PASS
	IEEE 802.11ac_40	38		5190.0	5189.977418	-4.35		PASS
		46		5230.0	5229.976931	-4.41		PASS
	IEEE 802.11ac_80	42		5210.0	5209.976781	-4.46		PASS

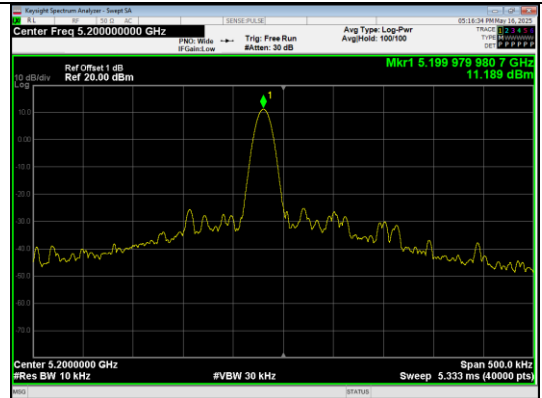
Test Graphs

NT/NV

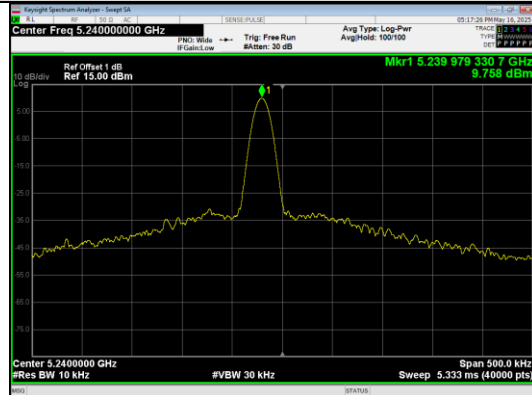
IEEE 802.11a



NT/NV_Antenna 0
IEEE 802.11a_Channel 36_20MHz

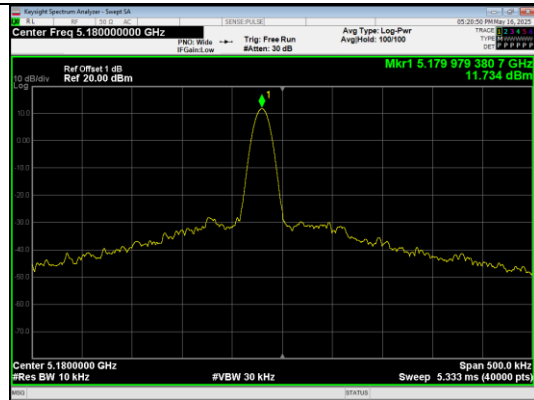


NT/NV_Antenna 0
IEEE 802.11a_Channel 40_20MHz

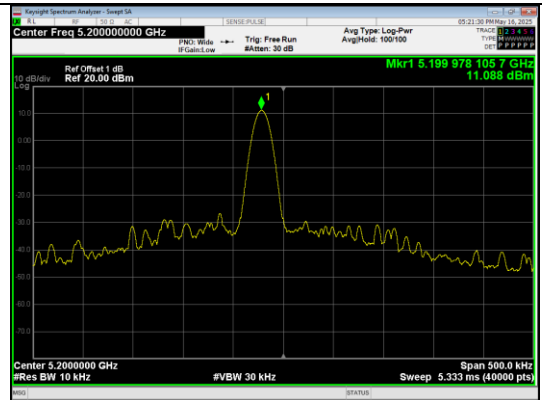


NT/NV_Antenna 0
IEEE 802.11a_Channel 48_20MHz

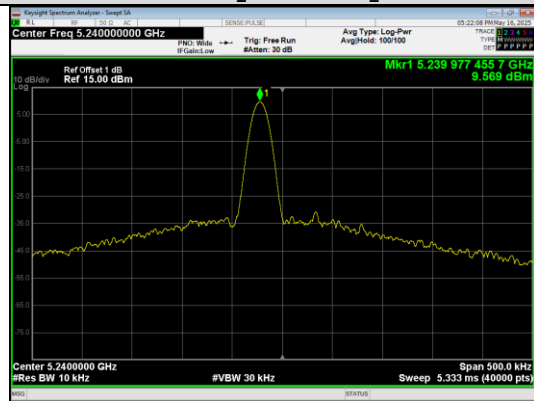
IEEE 802.11n_20



NT/NV_Antenna 0
IEEE 802.11n_Channel 36_20MHz

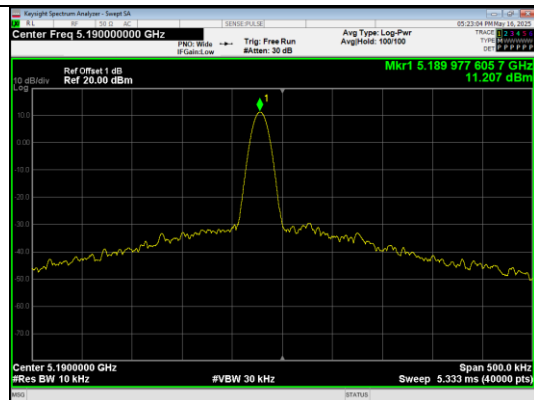


NT/NV_Antenna 0
IEEE 802.11n_Channel 40_20MHz

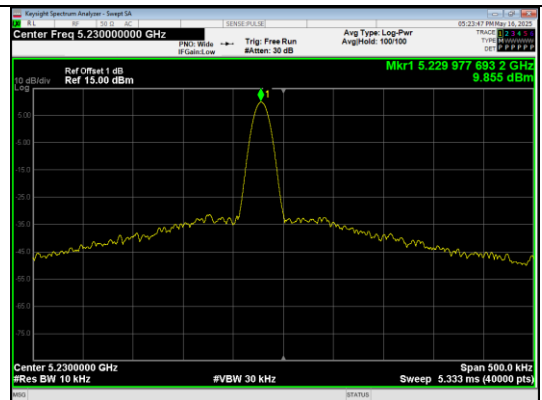


NT/NV_Antenna 0
IEEE 802.11n_Channel 48_20MHz

IEEE 802.11n_40

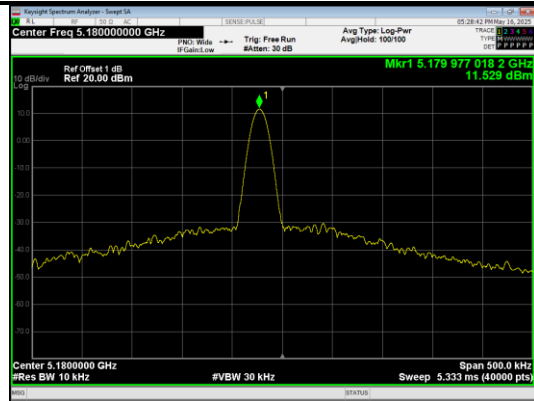


NT/NV_Antenna 0
IEEE 802.11n_Channel 38_40MHz

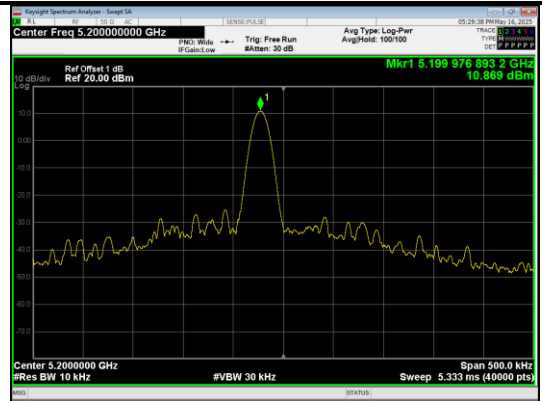


NT/NV_Antenna 0
IEEE 802.11n_Channel 46_40MHz

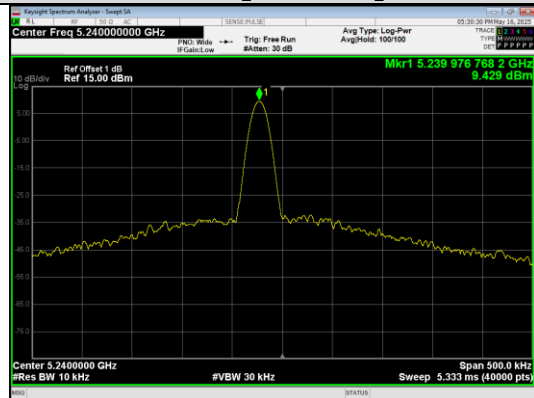
IEEE 802.11ac_20



NT/NV_Antenna 0
IEEE 802.11ac_Channel 36_20MHz

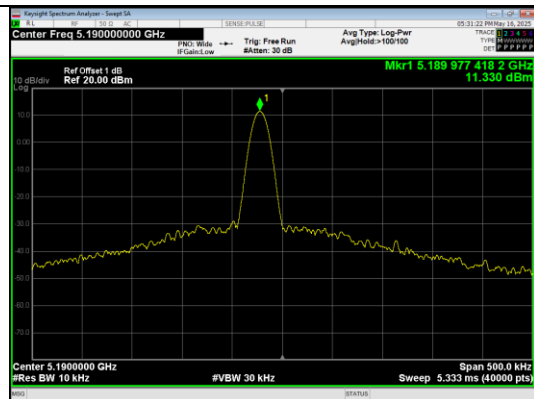


NT/NV_Antenna 0
IEEE 802.11ac_Channel 40_20MHz

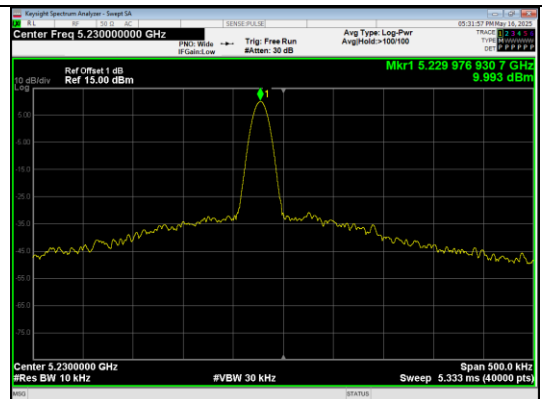


NT/NV_Antenna 0
IEEE 802.11ac_Channel 48_20MHz

IEEE 802.11ac_40

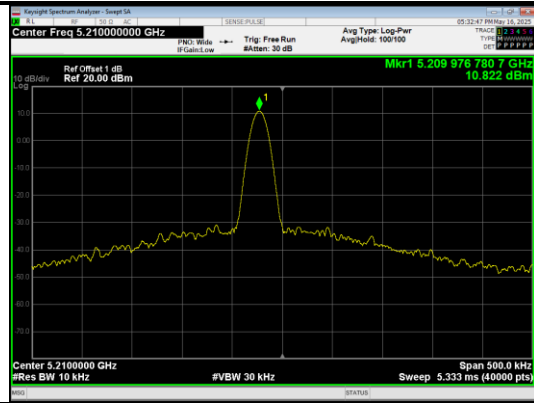


NT/NV_Antenna 0
IEEE 802.11ac_Channel 38_40MHz



NT/NV_Antenna 0
IEEE 802.11ac_Channel 46_40MHz

IEEE 802.11ac_80



NT/NV_Antenna 0
IEEE 802.11ac_Channel 42_80MHz

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