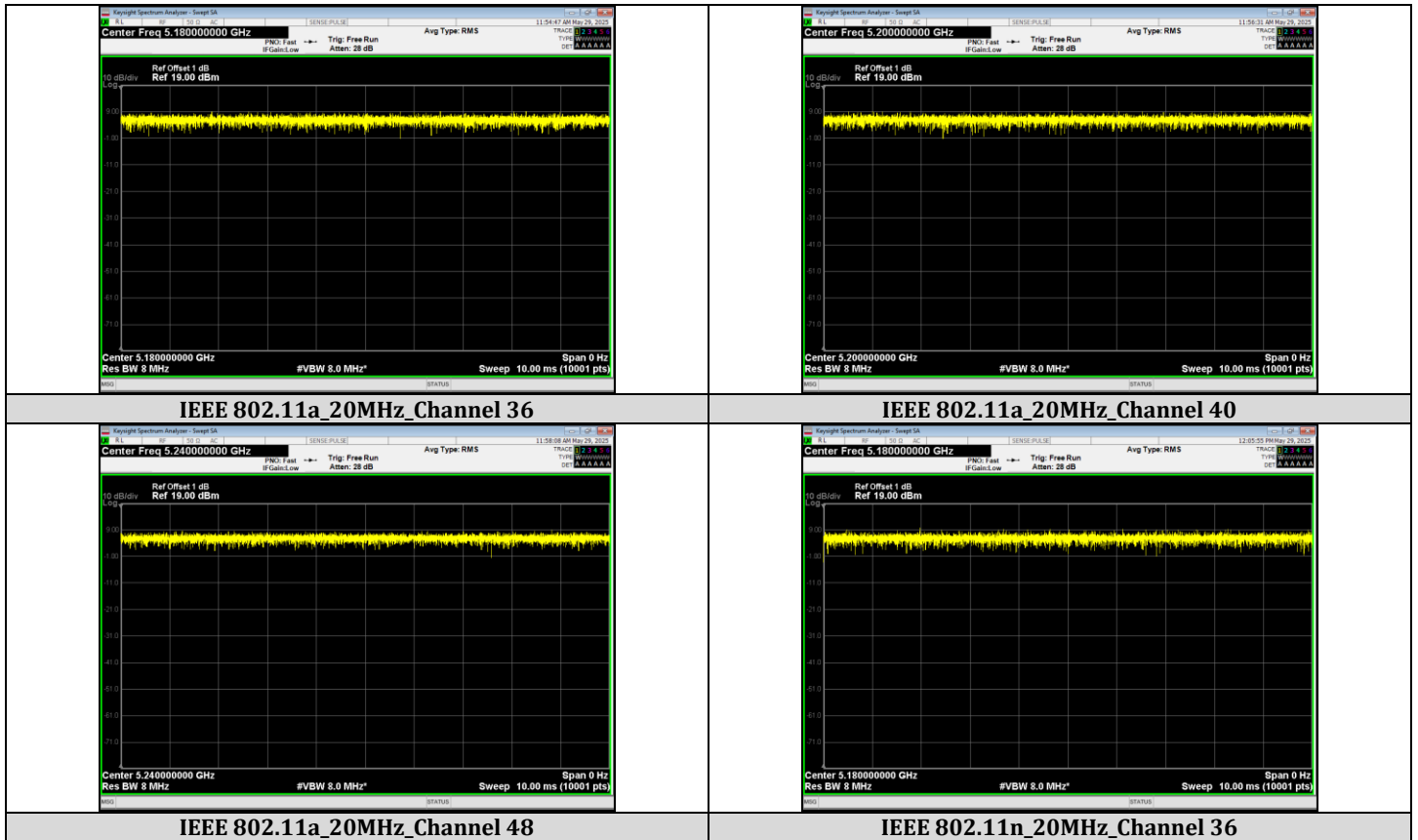
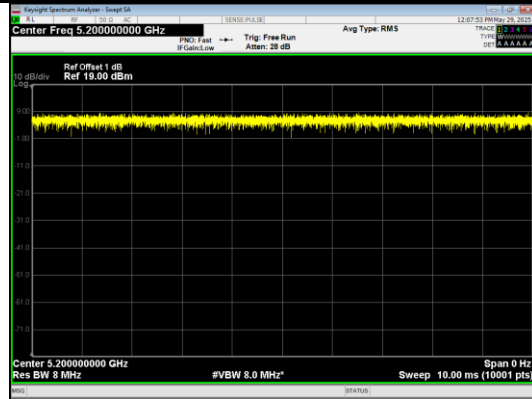


Duty Cycle Test Result

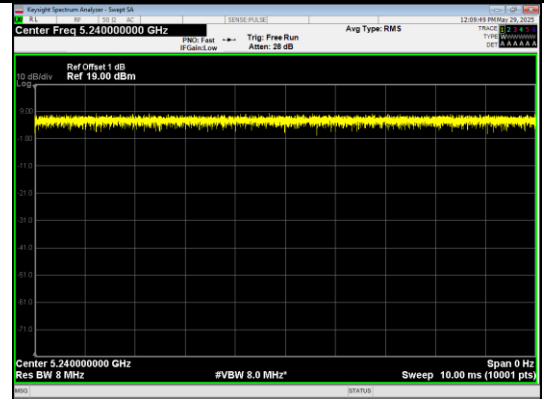
Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
IEEE 802.11a	6	36	1	10.000	10.000	100	1	0.0	0.1000
		40		10.000	10.000	100	1	0.0	0.1000
		48		10.000	10.000	100	1	0.0	0.1000
IEEE 802.11n_20		36		10.000	10.000	100	1	0.0	0.1000
		40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

Test Graphs

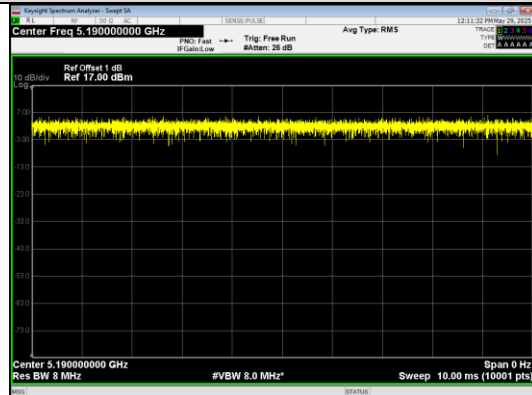




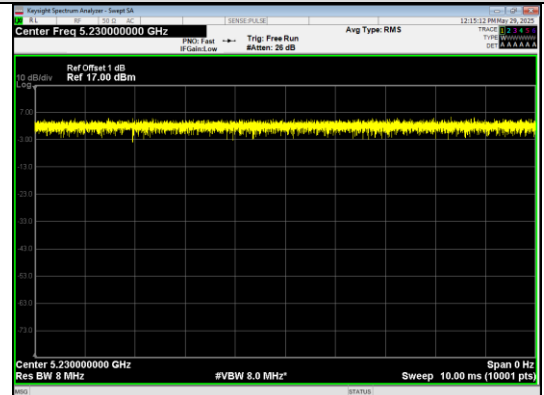
IEEE 802.11n 20MHz_Channel 40



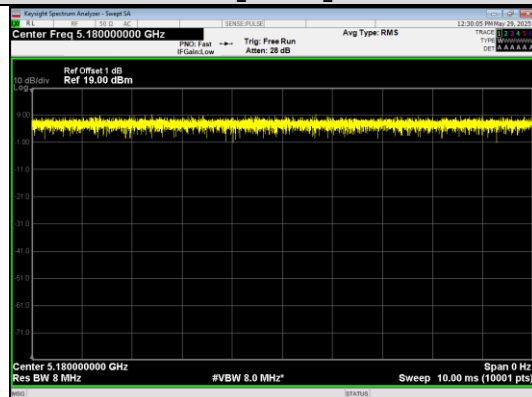
IEEE 802.11n 20MHz_Channel 48



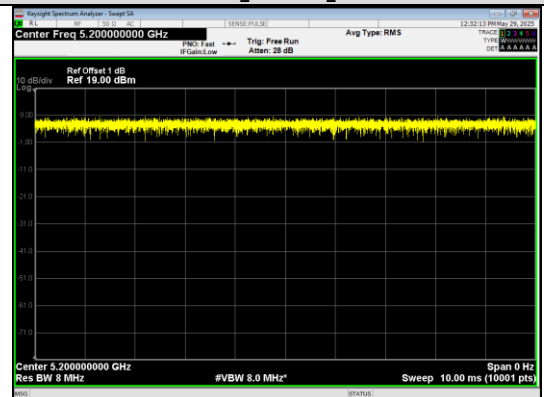
IEEE 802.11n 40MHz_Channel 38



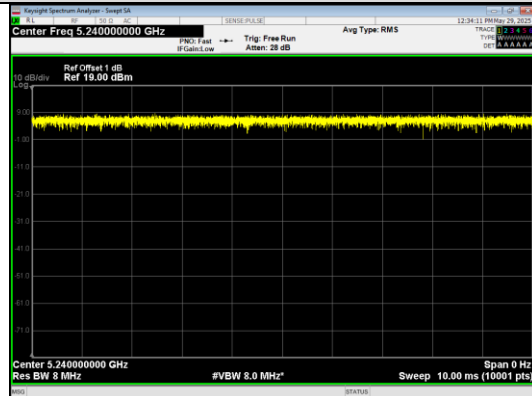
IEEE 802.11n 40MHz_Channel 46



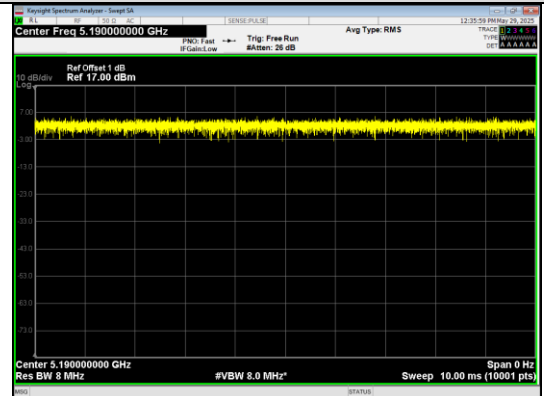
IEEE 802.11ac 20MHz_Channel 36



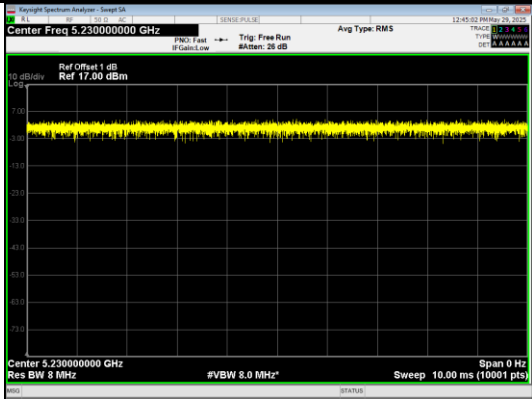
IEEE 802.11ac 20MHz_Channel 40



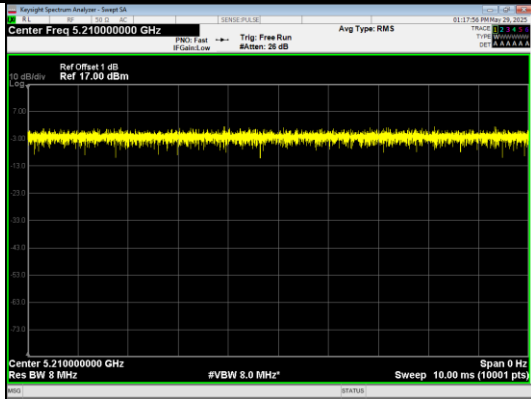
IEEE 802.11ac 20MHz_Channel 48



IEEE 802.11ac 40MHz_Channel 38



IEEE 802.11ac_40MHz_Channel 46



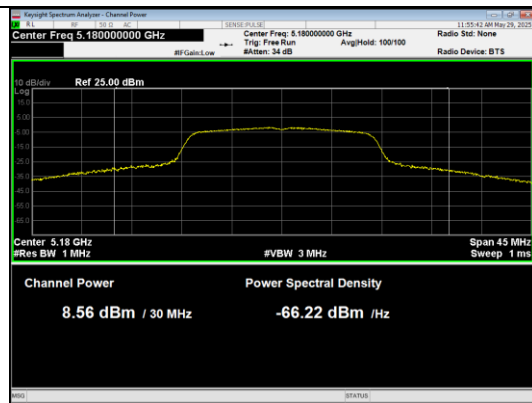
IEEE 802.11ac_80MHz_Channel 42



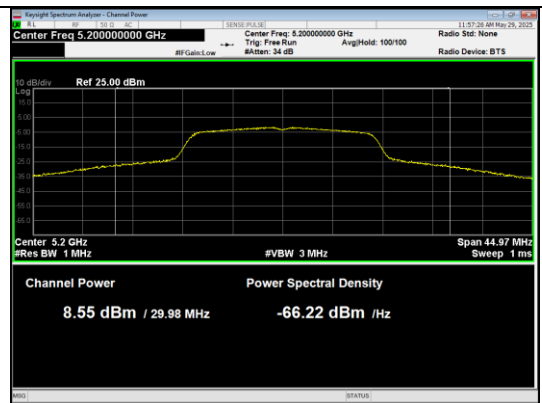
Conducted Output Power

Conducted output power

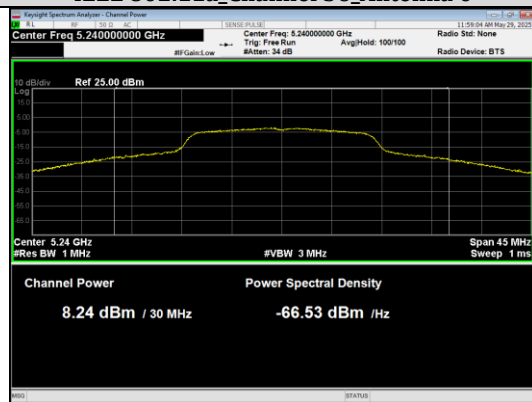
Mode	Channel	Ant. 0 (dBm)	Corr'd Value Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11a	36	8.56	8.56	≤24	PASS
	40	8.55	8.55	≤24	PASS
	48	8.24	8.24	≤24	PASS
IEEE 802.11n_20	36	8.70	8.7	≤24	PASS
	40	8.40	8.4	≤24	PASS
	48	8.33	8.33	≤24	PASS
IEEE 802.11n_40	38	7.72	7.72	≤24	PASS
	46	7.82	7.82	≤24	PASS
IEEE 802.11ac_20	36	8.61	8.61	≤24	PASS
	40	8.41	8.41	≤24	PASS
	48	8.66	8.66	≤24	PASS
IEEE 802.11ac_40	38	7.92	7.92	≤24	PASS
	46	6.30	6.3	≤24	PASS
IEEE 802.11ac_80	42	6.81	6.81	≤24	PASS



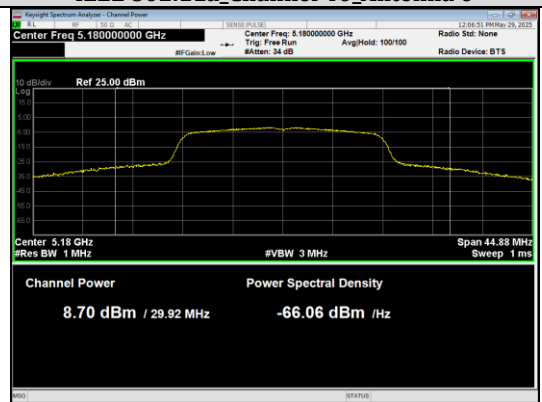
Conducted AVG output power
IEEE 802.11a_Channel 36_Antenna 0



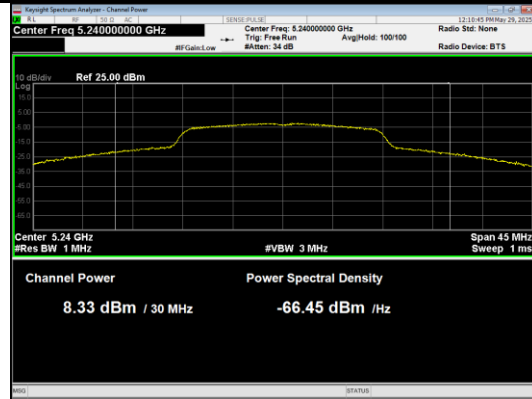
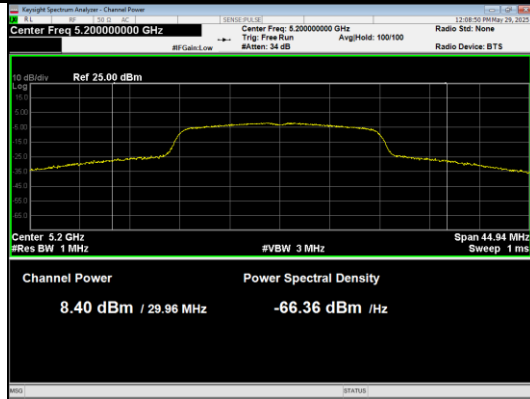
Conducted AVG output power
IEEE 802.11a_Channel 40_Antenna 0



Conducted AVG output power
IEEE 802.11a_Channel 48_Antenna 0

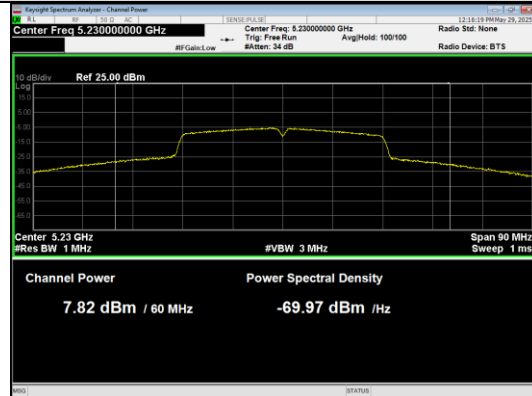
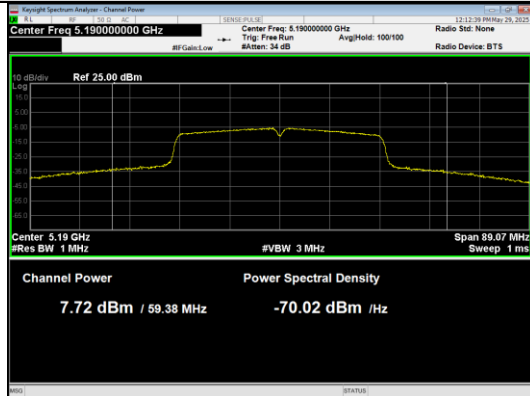


Conducted AVG output power
IEEE 802.11n_20_Channel 36_Antenna 0



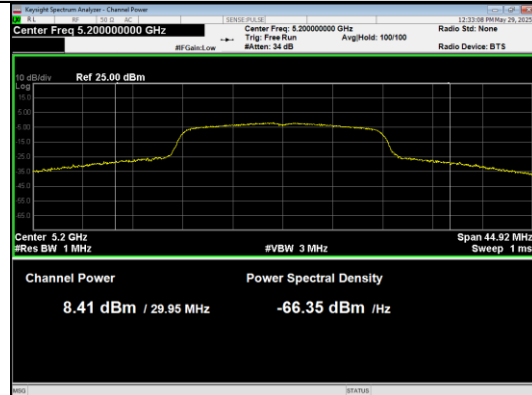
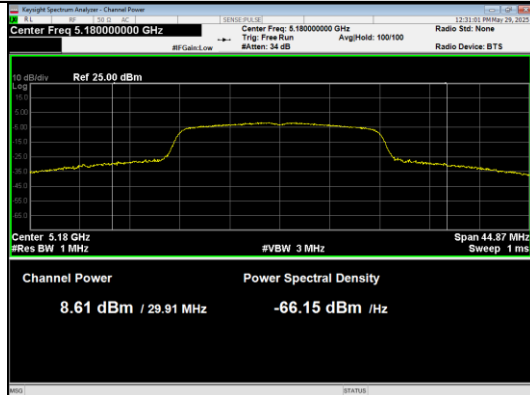
Conducted AVG output power
IEEE 802.11n_20_Channel 40_Antenna 0

Conducted AVG output power
IEEE 802.11n_20_Channel 48_Antenna 0



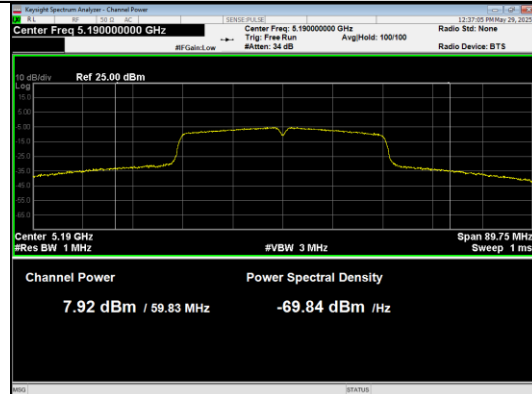
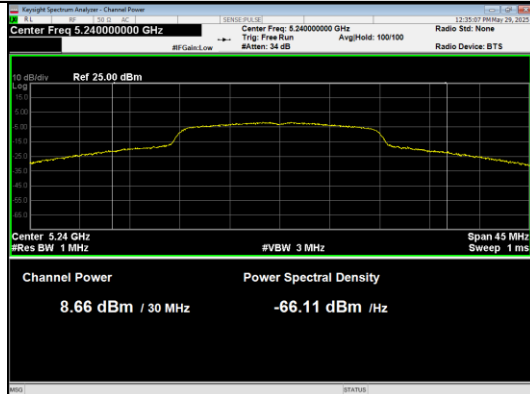
Conducted AVG output power
IEEE 802.11n_40_Channel 38_Antenna 0

Conducted AVG output power
IEEE 802.11n_40_Channel 46_Antenna 0



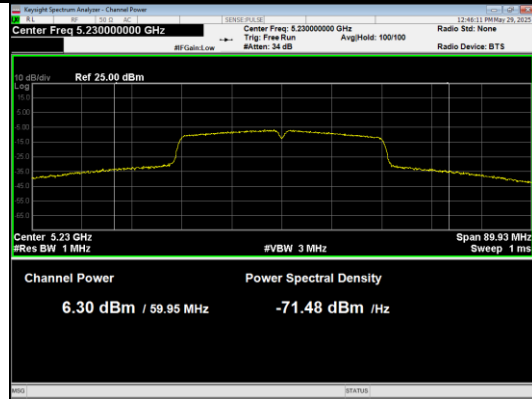
Conducted AVG output power
IEEE 802.11ac_20_Channel 36_Antenna 0

Conducted AVG output power
IEEE 802.11ac_20_Channel 40_Antenna 0

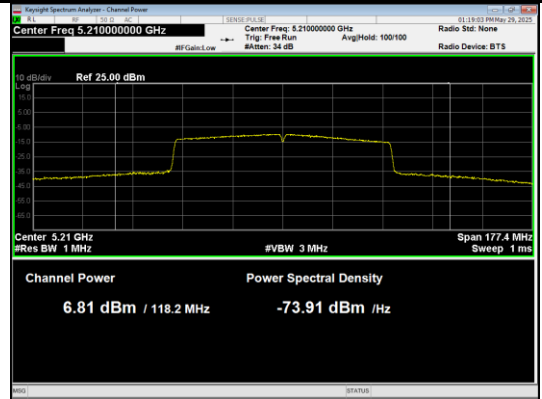


Conducted AVG output power
IEEE 802.11ac_20_Channel 48_Antenna 0

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**

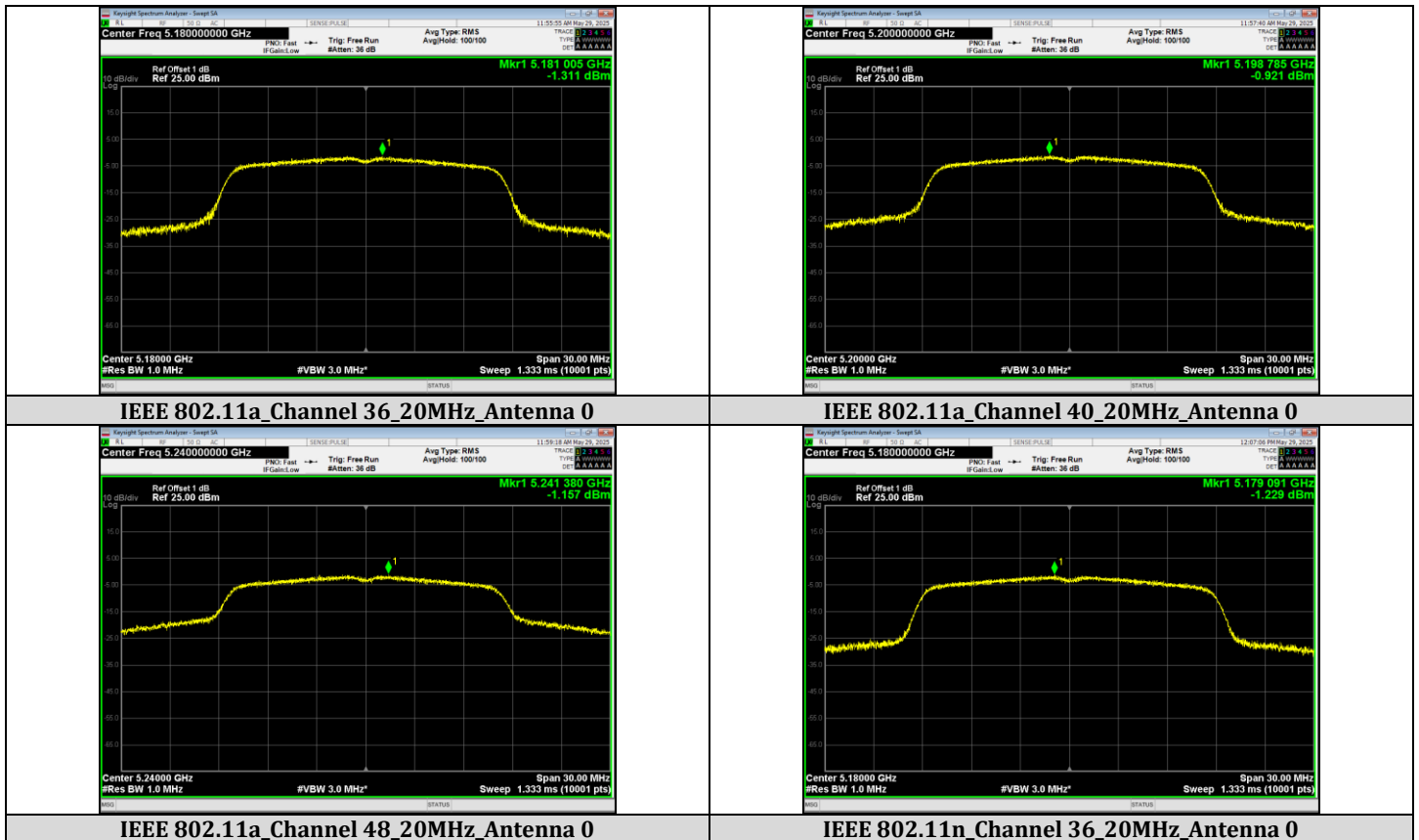


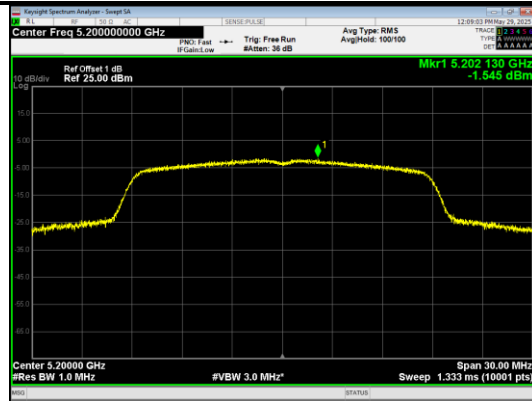
Peak Power Spectral Density

Test Result

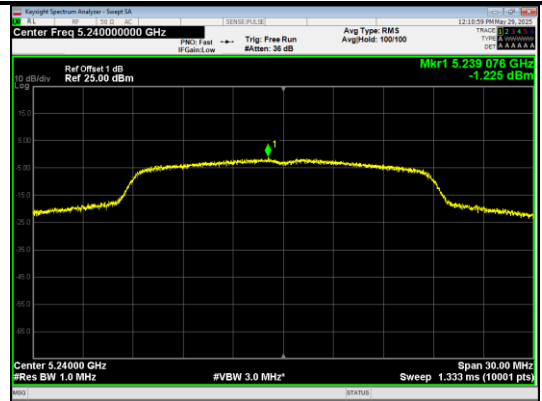
Mode	Channel	Ant. 0 Meas PSD (dBm/MHz or dBm/0.5MHz)	Ant. 0 Corr'd PSD (dBm/MHz or dBm/0.5MHz)	Limit (dBm/MHz or dBm/0.5MHz)	Result
IEEE 802.11a	36	-1.311	-1.311	11	PASS
	40	-0.921	-0.921		PASS
	48	-1.157	-1.157		PASS
IEEE 802.11n_20	36	-1.229	-1.229		PASS
	40	-1.545	-1.545		PASS
	48	-1.225	-1.225		PASS
IEEE 802.11n_40	38	-5.202	-5.202		PASS
	46	-4.568	-4.568		PASS
IEEE 802.11ac_20	36	-1.332	-1.332		PASS
	40	-1.246	-1.246		PASS
	48	-0.771	-0.771		PASS
IEEE 802.11ac_40	38	-4.760	-4.76		PASS
	46	-6.258	-6.258		PASS
IEEE 802.11ac_80	42	-8.790	-8.79		PASS

Test Graphs

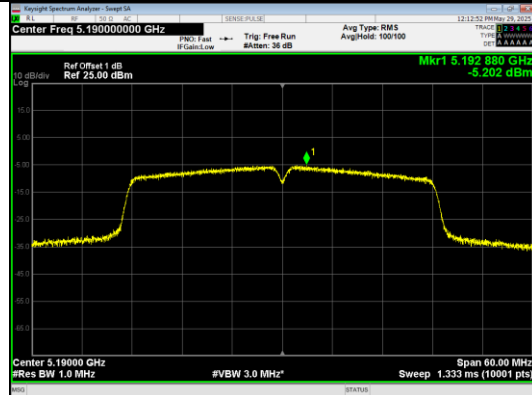




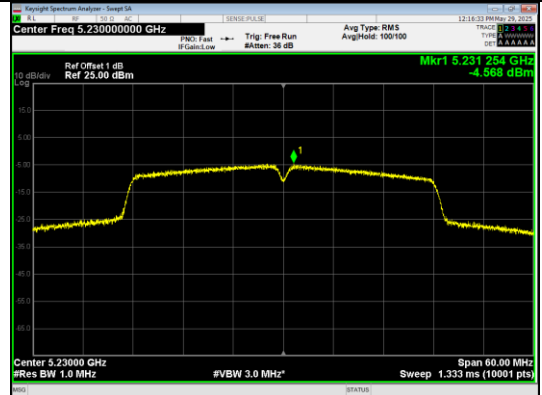
IEEE 802.11n_Channel 40_20MHz_Antenna 0



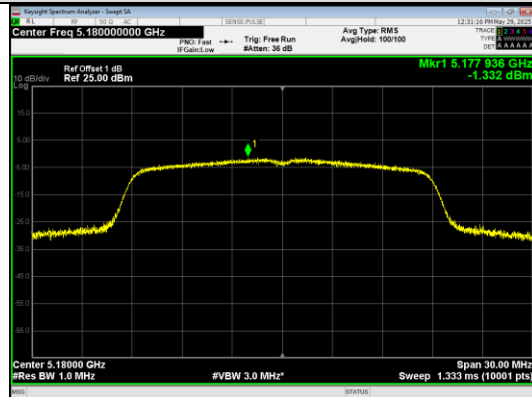
IEEE 802.11n_Channel 48_20MHz_Antenna 0



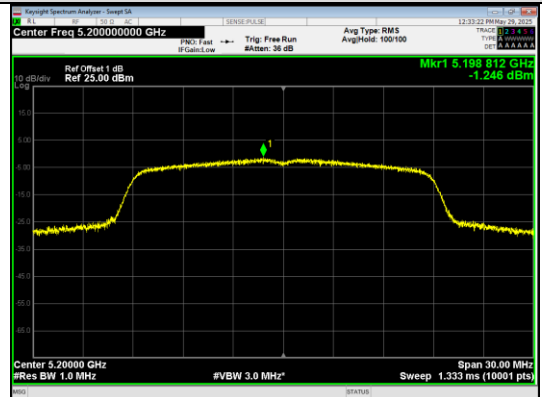
IEEE 802.11n_Channel 38_40MHz_Antenna 0



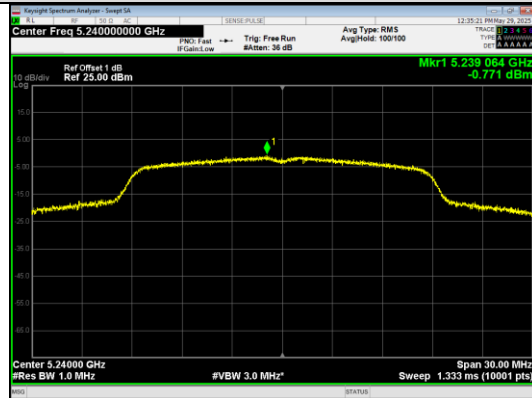
IEEE 802.11n_Channel 46_40MHz_Antenna 0



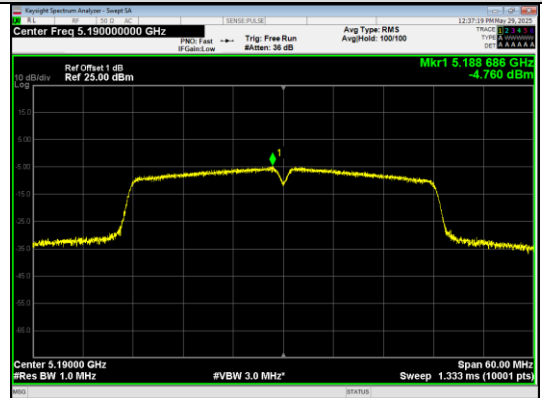
IEEE 802.11ac_Channel 36_20MHz_Antenna 0



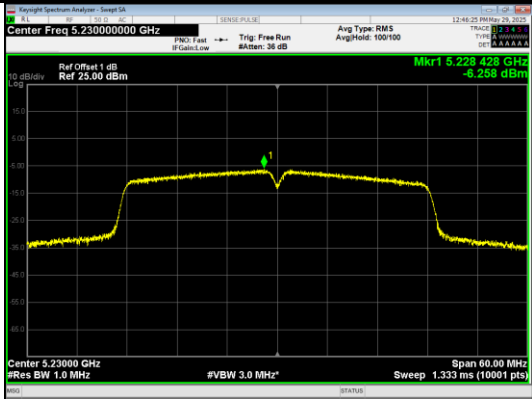
IEEE 802.11ac_Channel 40_20MHz_Antenna 0



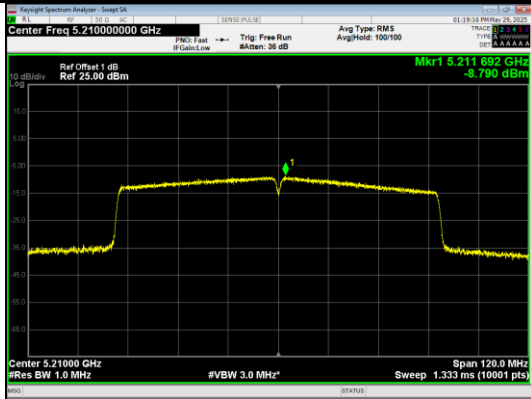
IEEE 802.11ac_Channel 48_20MHz_Antenna 0



IEEE 802.11ac_Channel 38_40MHz_Antenna 0



IEEE 802.11ac_Channel 46_40MHz_Antenna 0



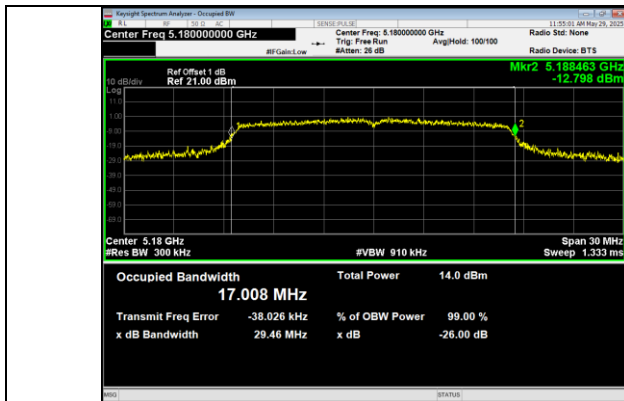
IEEE 802.11ac_Channel 42_80MHz_Antenna 0

99% Bandwidth

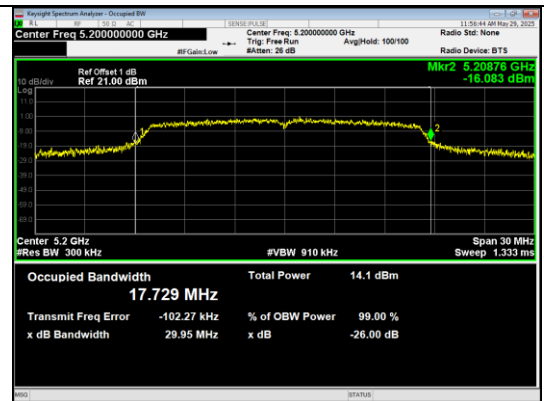
Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11a	36	0	5180	17.008
	40		5200	17.729
	48		5240	23.751
IEEE 802.11n_20	36		5180	18.040
	40		5200	18.318
	48		5240	24.367
IEEE 802.11n_40	38		5190	36.321
	46		5230	36.746
IEEE 802.11ac_20	36		5180	18.007
	40		5200	18.087
	48		5240	24.278
IEEE 802.11ac_40	38		5190	36.377
	46		5230	36.622
IEEE 802.11ac_80	42		5210	75.578

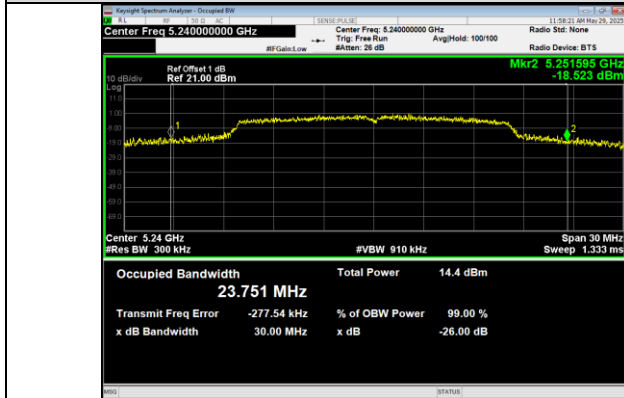
Test Graphs



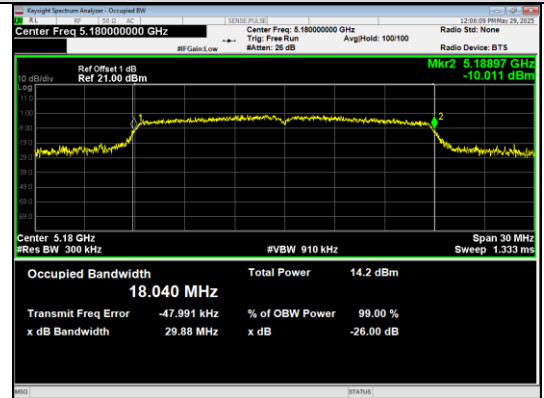
IEEE 802.11a_Channel 36_20MHz_Antenna 0



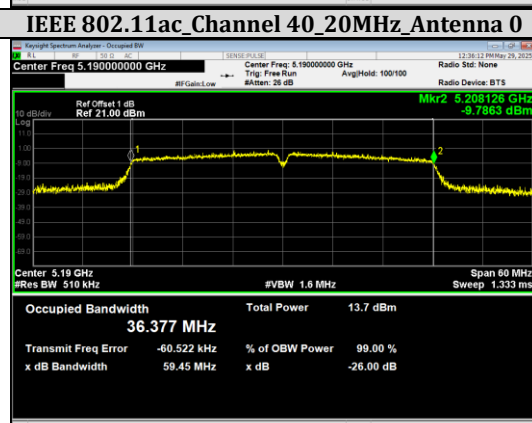
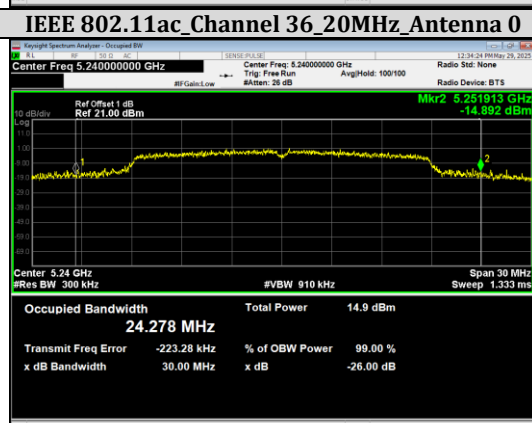
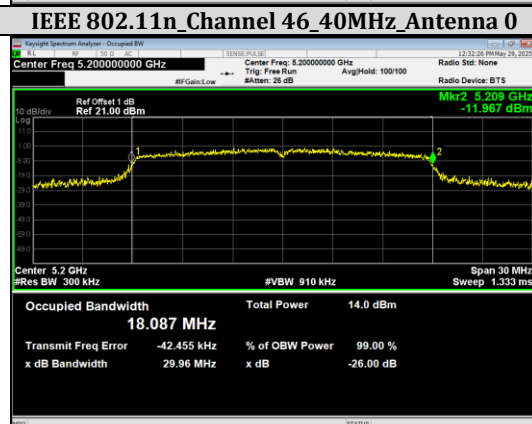
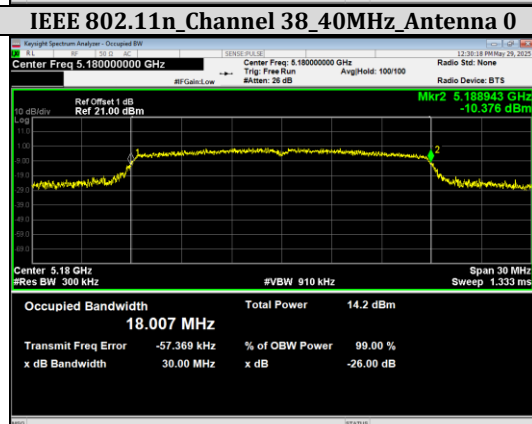
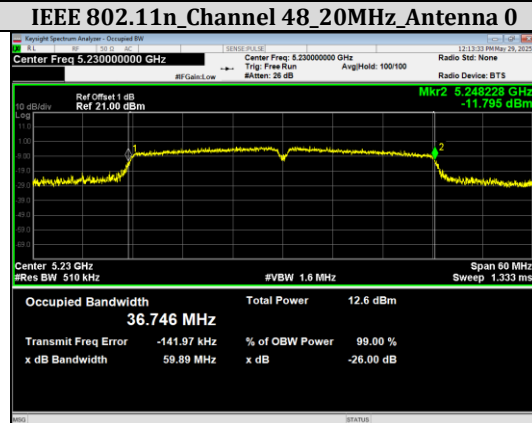
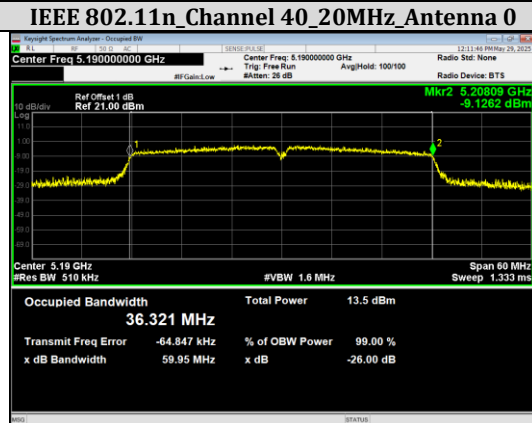
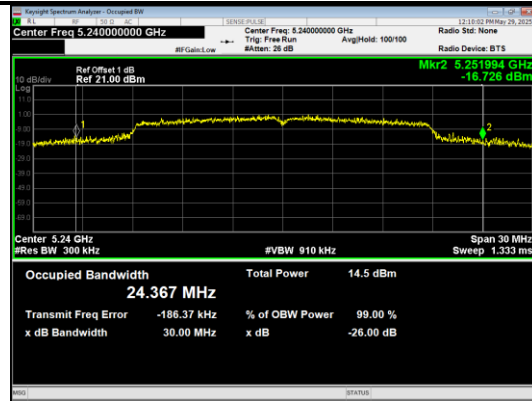
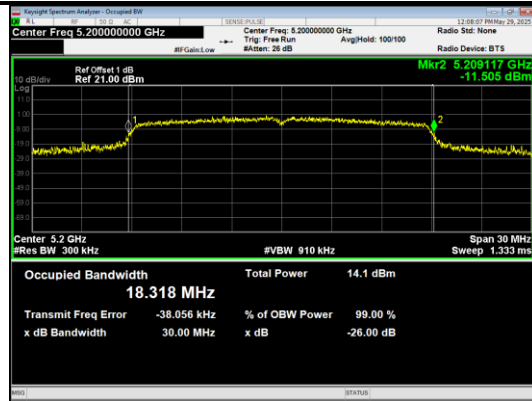
IEEE 802.11a_Channel 40_20MHz_Antenna 0

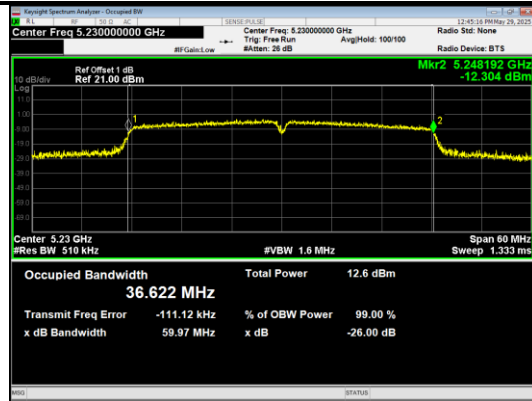


IEEE 802.11a_Channel 48_20MHz_Antenna 0

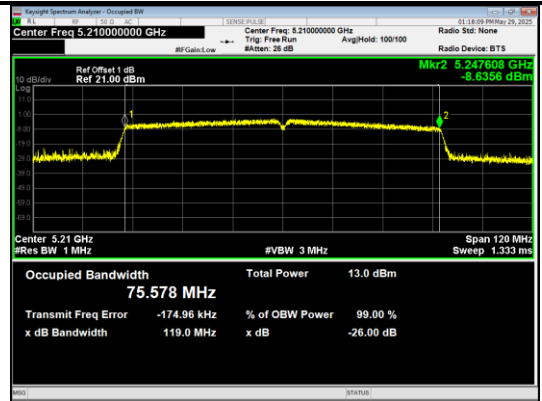


IEEE 802.11n_Channel 36_20MHz_Antenna 0





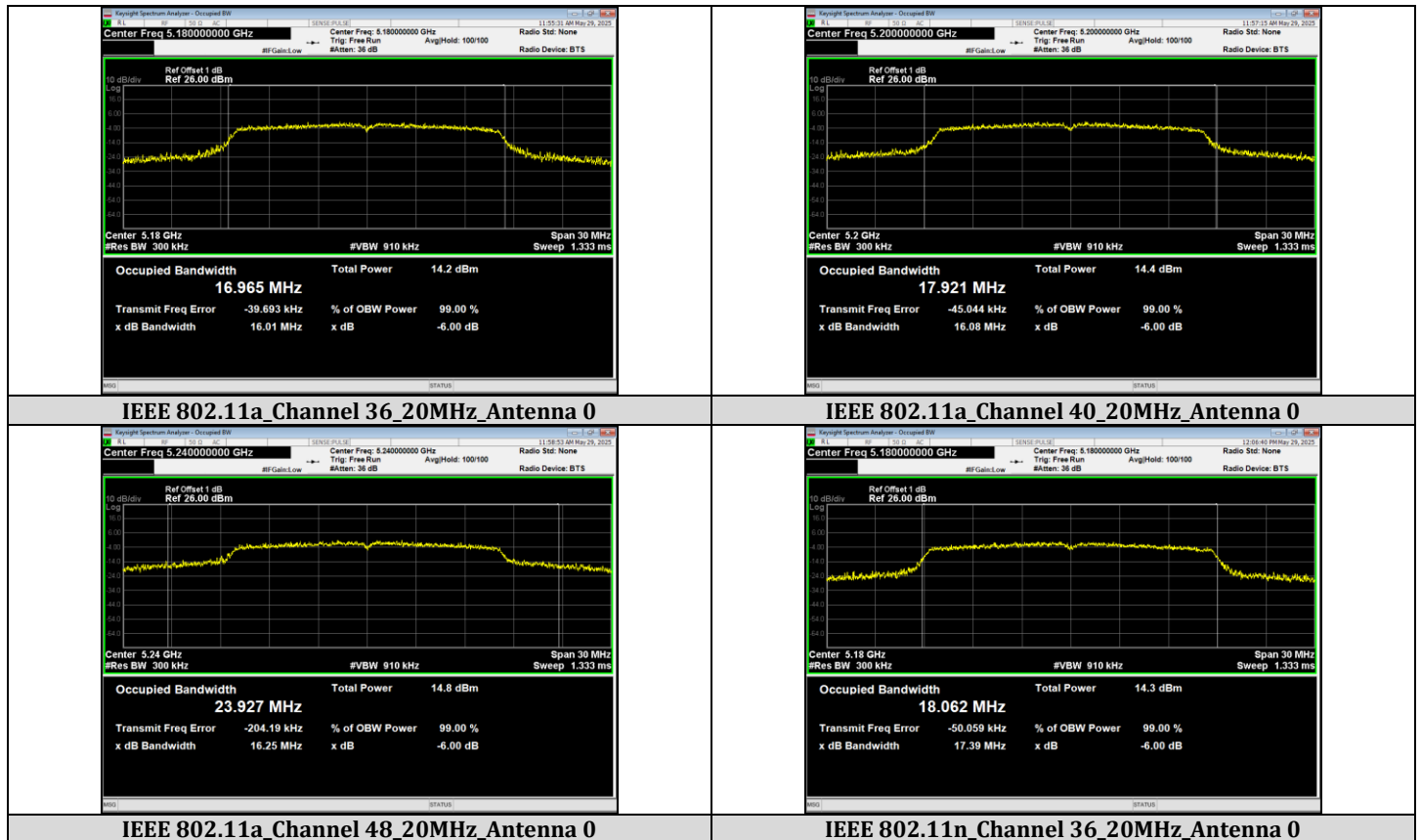
IEEE 802.11ac_Channel 46_40MHz_Antenna 0

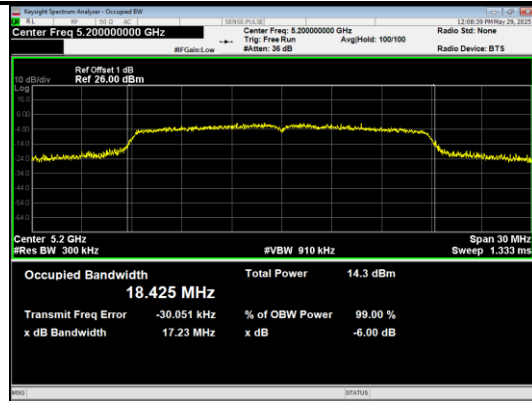


IEEE 802.11ac_Channel 42_80MHz_Antenna 0

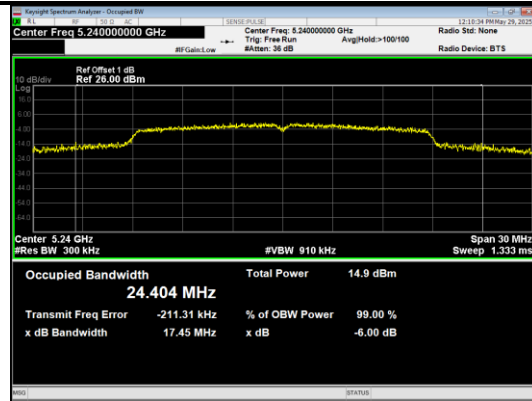
**6dB Bandwidth****Test Result**

Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11a	36	0	5180	16.01	≥0.5	PASS
	40		5200	16.08		PASS
	48		5240	16.25		PASS
IEEE 802.11n_20	36		5180	17.39		PASS
	40		5200	17.23		PASS
	48		5240	17.45		PASS
IEEE 802.11n_40	38		5190	35.59		PASS
	46		5230	35.91		PASS
IEEE 802.11ac_20	36		5180	17.20		PASS
	40		5200	17.37		PASS
	48		5240	17.36		PASS
IEEE 802.11ac_40	38		5190	36.18		PASS
	46		5230	35.78		PASS
IEEE 802.11ac_80	42		5210	68.20		PASS

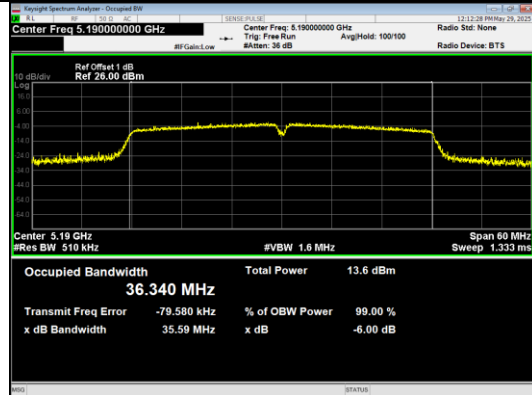
Test Graphs



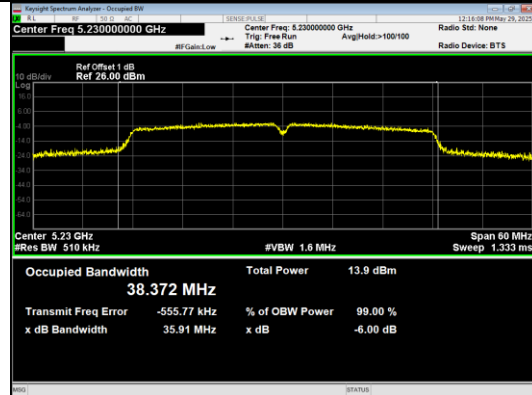
IEEE 802.11n_Channel 40_20MHz_Antenna 0



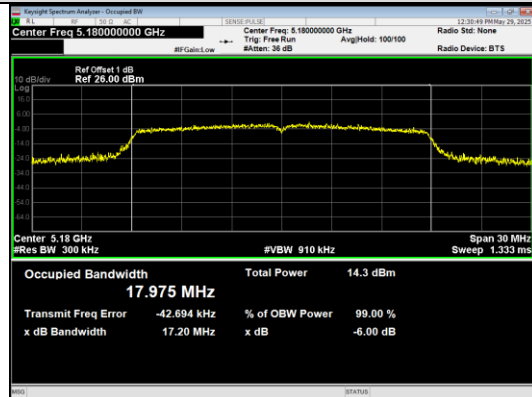
IEEE 802.11n_Channel 48_20MHz_Antenna 0



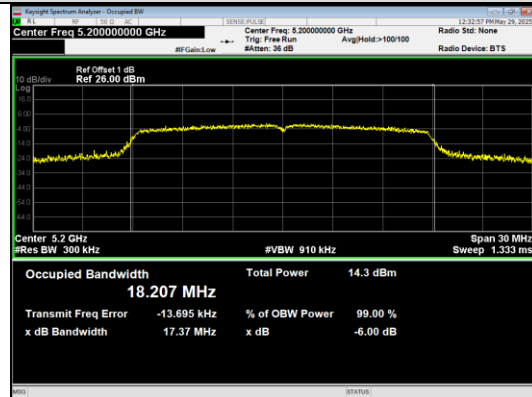
IEEE 802.11n_Channel 38_40MHz_Antenna 0



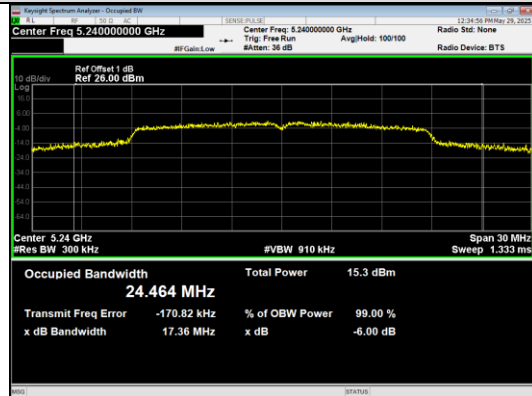
IEEE 802.11n_Channel 46_40MHz_Antenna 0



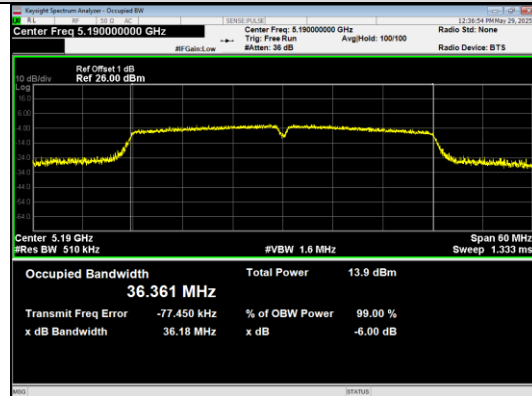
IEEE 802.11ac_Channel 36_20MHz_Antenna 0



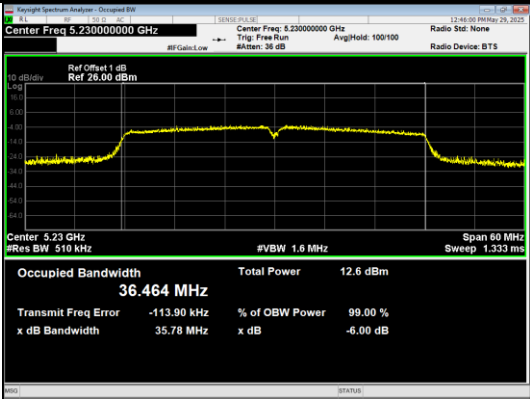
IEEE 802.11ac_Channel 40_20MHz_Antenna 0



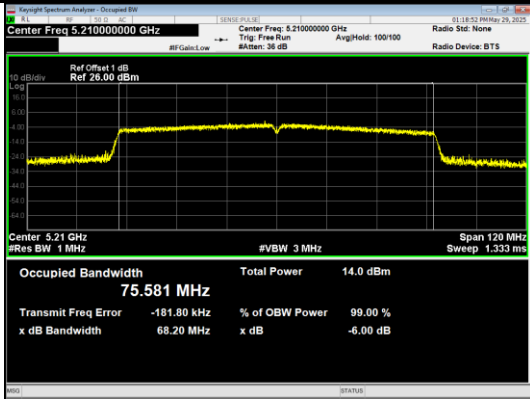
IEEE 802.11ac_Channel 48_20MHz_Antenna 0



IEEE 802.11ac_Channel 38_40MHz_Antenna 0



IEEE 802.11ac_Channel 46_40MHz_Antenna 0



IEEE 802.11ac_Channel 42_80MHz_Antenna 0

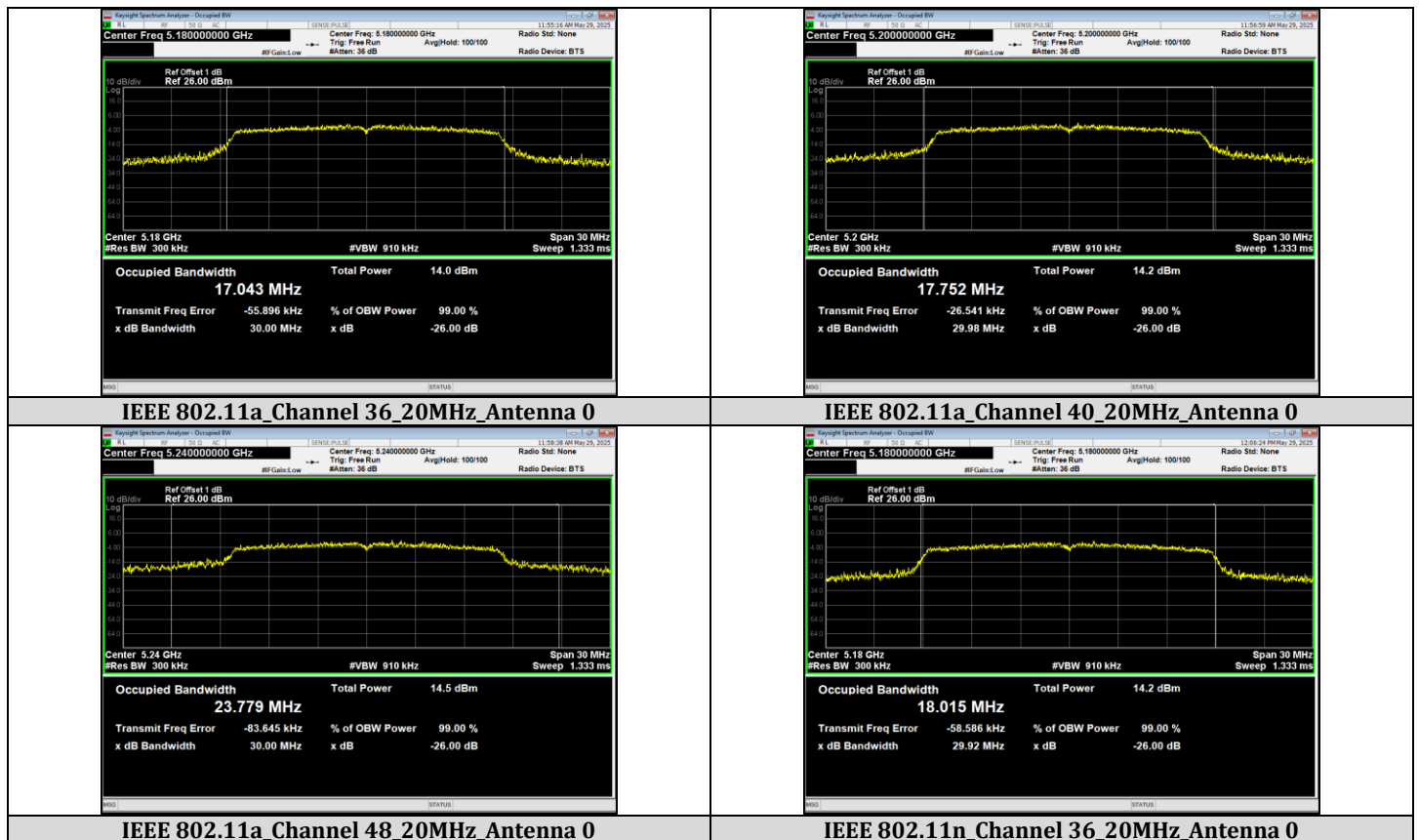


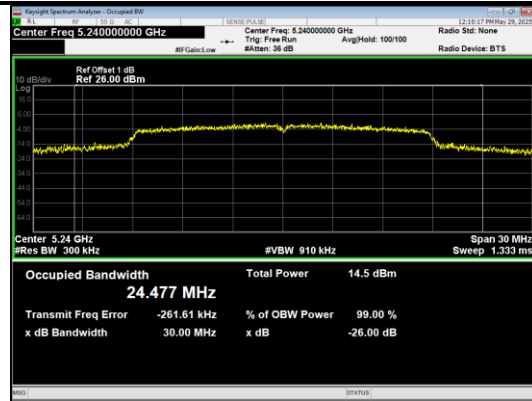
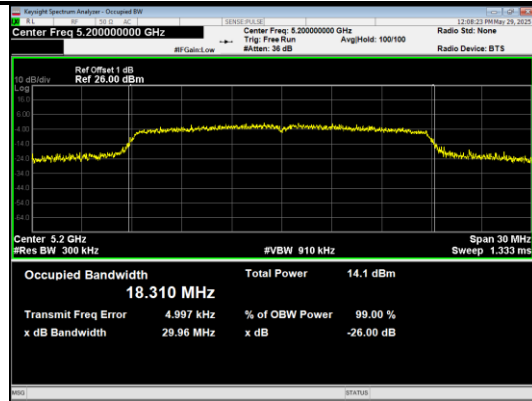
26dB Bandwidth

Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	26 dB Bandwidth (MHz)	RBW/EBW
IEEE 802.11a	36	0	5180	30.00	1.0
	40		5200	29.98	1.0
	48		5240	30.00	1.0
IEEE 802.11n_20	36		5180	29.92	1.0
	40		5200	29.96	1.0
	48		5240	30.00	1.0
IEEE 802.11n_40	38		5190	59.38	1.04
	46		5230	60.00	1.03
IEEE 802.11ac_20	36		5180	29.91	1.0
	40		5200	29.95	1.0
	48		5240	30.00	1.0
IEEE 802.11ac_40	38		5190	59.83	1.03
	46		5230	59.95	1.02
IEEE 802.11ac_80	42		5210	118.24	1.03

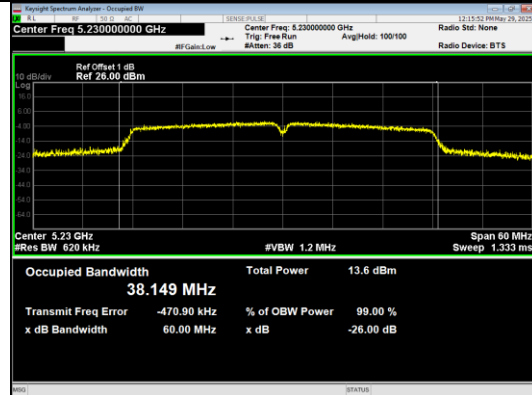
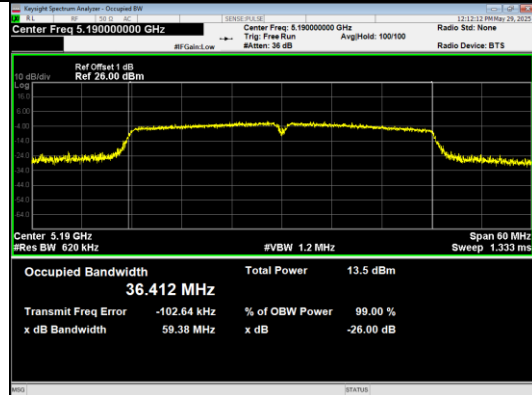
Test Graphs





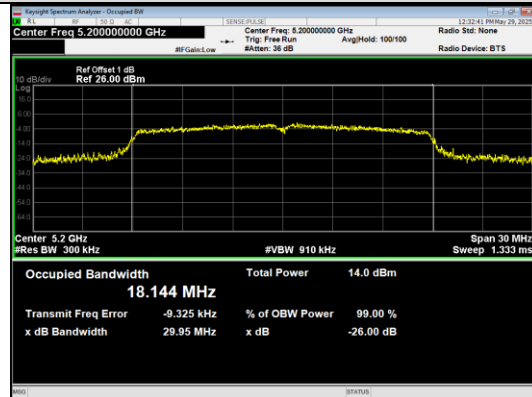
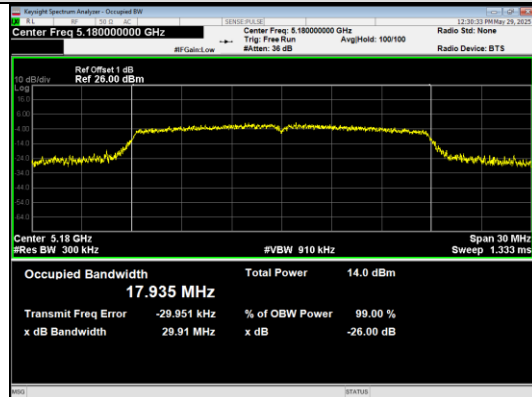
IEEE 802.11n_Channel 40_20MHz_Antenna 0

IEEE 802.11n_Channel 48_20MHz_Antenna 0



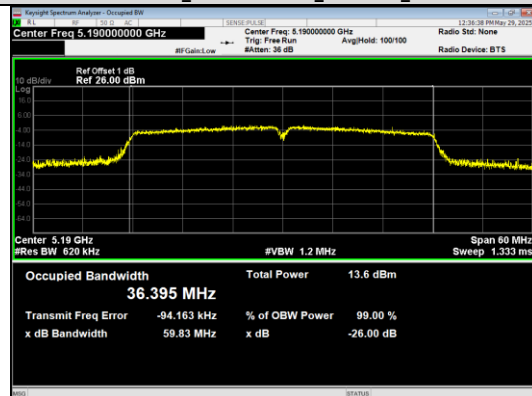
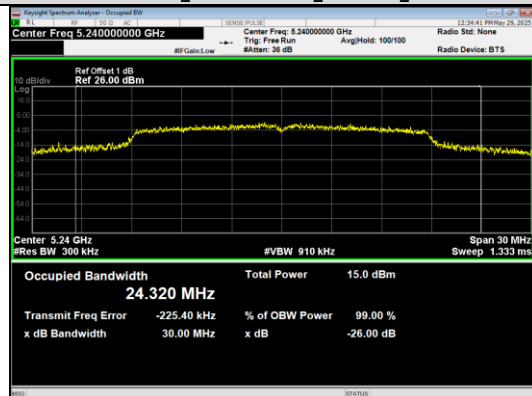
IEEE 802.11n_Channel 38_40MHz_Antenna 0

IEEE 802.11n_Channel 46_40MHz_Antenna 0



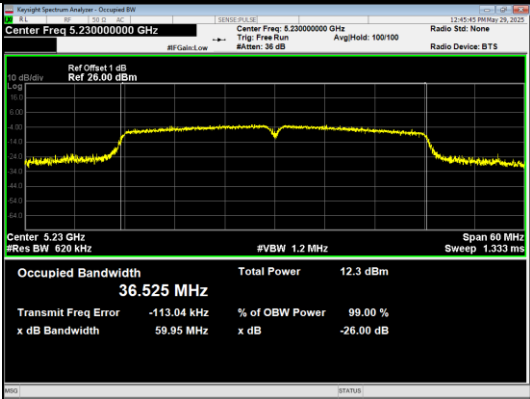
IEEE 802.11ac_Channel 36_20MHz_Antenna 0

IEEE 802.11ac_Channel 40_20MHz_Antenna 0

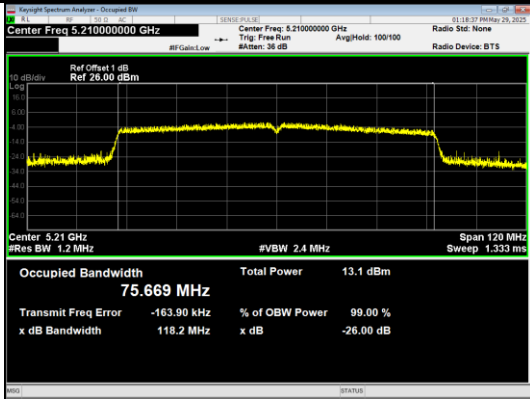


IEEE 802.11ac_Channel 48_20MHz_Antenna 0

IEEE 802.11ac_Channel 38_40MHz_Antenna 0



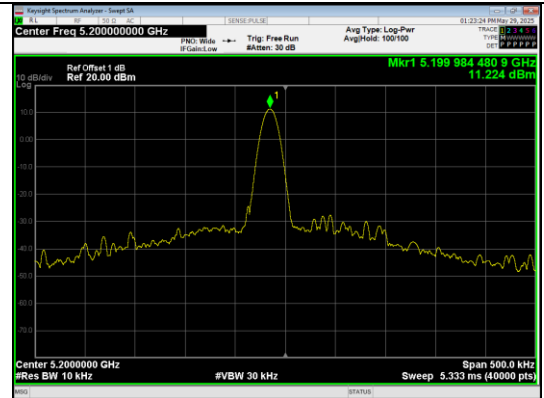
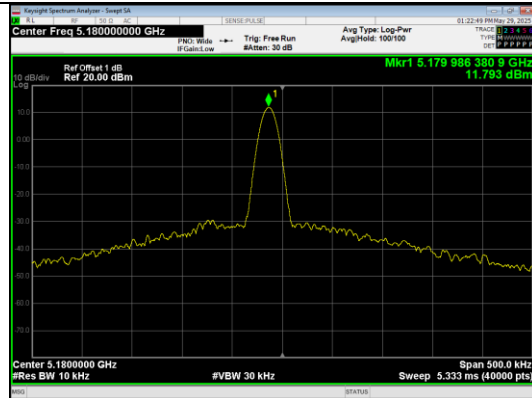
IEEE 802.11ac_Channel 46_40MHz_Antenna 0



IEEE 802.11ac_Channel 42_80MHz_Antenna 0

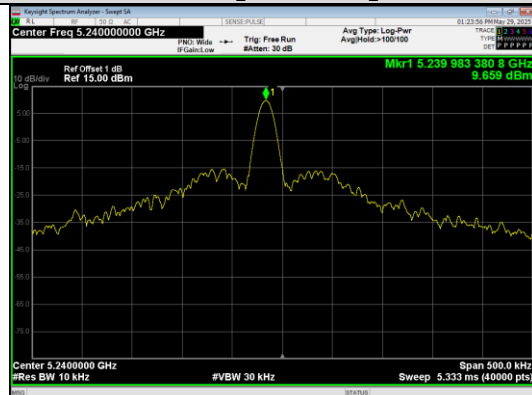
**Frequency Stability****Test Result**

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	5179.986381	-2.63	Within authorized band	PASS
		40		5200.0	5199.984481	-2.98		PASS
		48		5240.0	5239.983381	-3.17		PASS
	IEEE 802.11n_20	36		5180.0	5179.981681	-3.54		PASS
		40		5200.0	5199.982181	-3.43		PASS
		48		5240.0	5239.981518	-3.53		PASS
	IEEE 802.11n_40	38		5190.0	5189.981581	-3.55		PASS
		46		5230.0	5229.980793	-3.67		PASS
	IEEE 802.11ac_20	36		5180.0	5179.979956	-3.87		PASS
		40		5200.0	5199.979781	-3.89		PASS
		48		5240.0	5239.979393	-3.93		PASS
	IEEE 802.11ac_40	38		5190.0	5189.979743	-3.9		PASS
		46		5230.0	5229.979393	-3.94		PASS
	IEEE 802.11ac_80	42		5210.0	5209.979606	-3.91		PASS

Test Graphs**NT/NV****IEEE 802.11a**

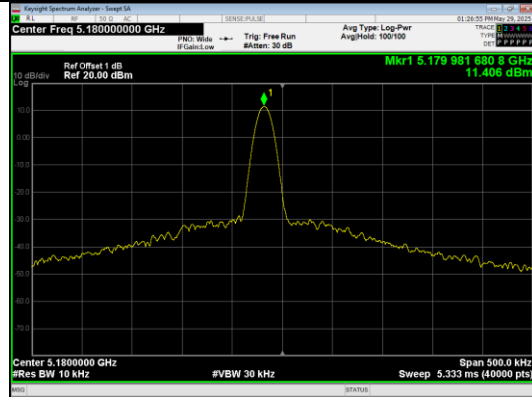
NT/NV_Antenna 0
IEEE 802.11a_Channel 36_20MHz

NT/NV_Antenna 0
IEEE 802.11a_Channel 40_20MHz

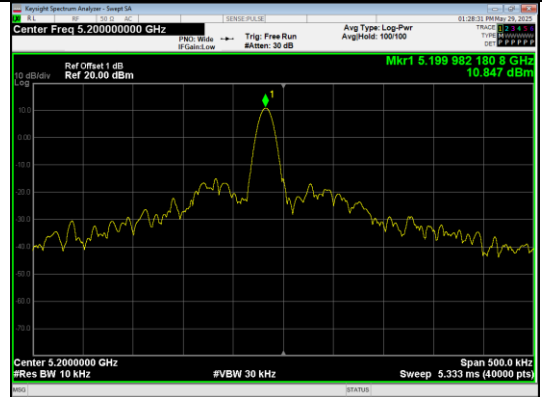


NT/NV_Antenna 0
IEEE 802.11a_Channel 48_20MHz

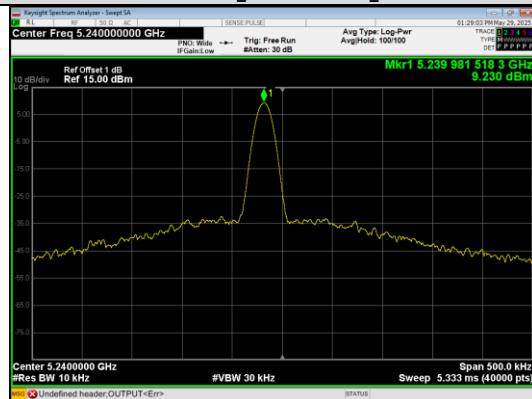
IEEE 802.11n_20



NT/NV_Antenna 0
IEEE 802.11n_Channel 36_20MHz

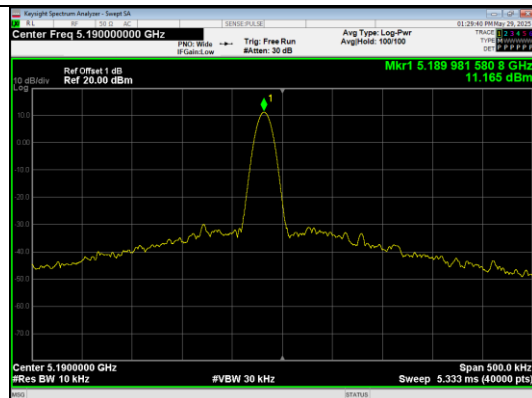


NT/NV_Antenna 0
IEEE 802.11n_Channel 40_20MHz

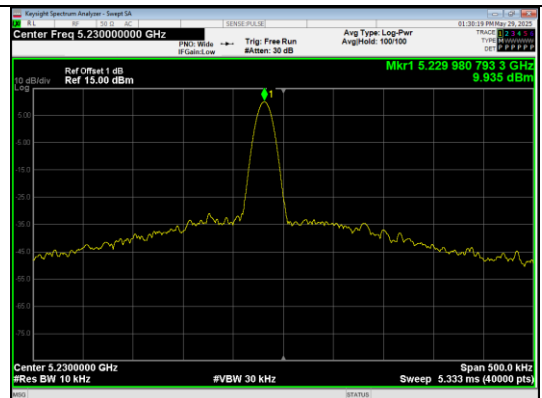


NT/NV_Antenna 0
IEEE 802.11n_Channel 48_20MHz

IEEE 802.11n_40

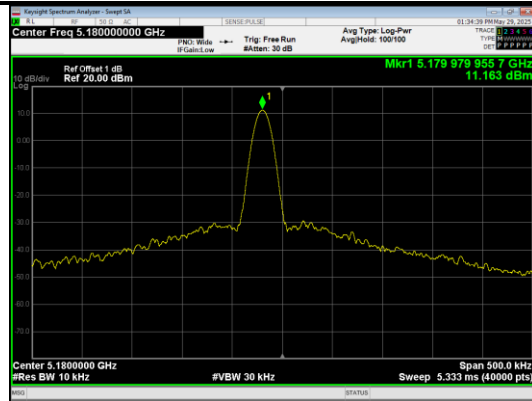


NT/NV_Antenna 0
IEEE 802.11n_Channel 38_40MHz

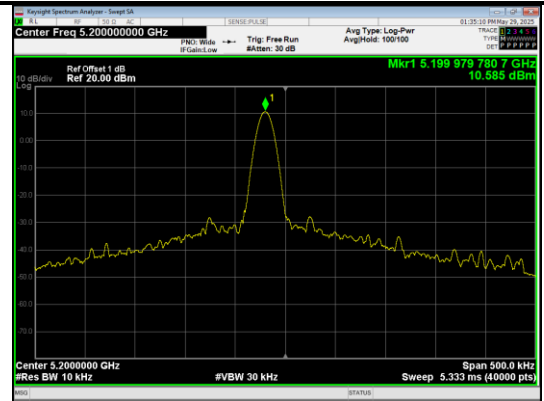


NT/NV_Antenna 0
IEEE 802.11n_Channel 46_40MHz

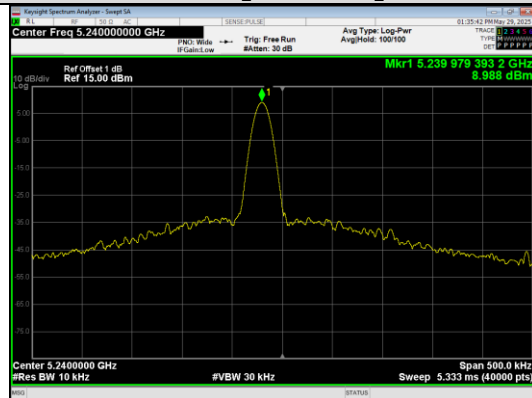
IEEE 802.11ac_20



NT/NV_Antenna 0
IEEE 802.11ac_Channel 36_20MHz

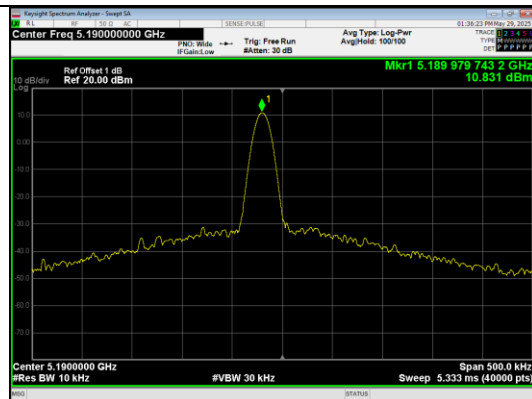


NT/NV_Antenna 0
IEEE 802.11ac_Channel 40_20MHz

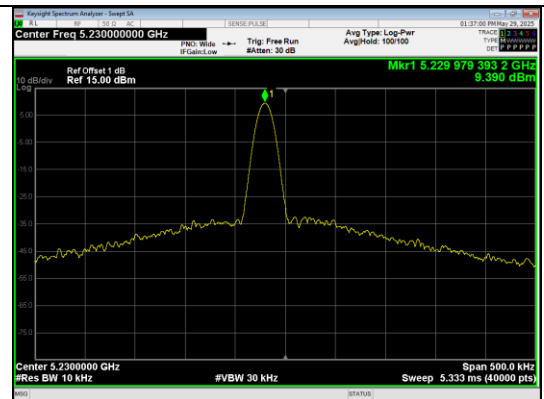


NT/NV_Antenna 0
IEEE 802.11ac_Channel 48_20MHz

IEEE 802.11ac_40

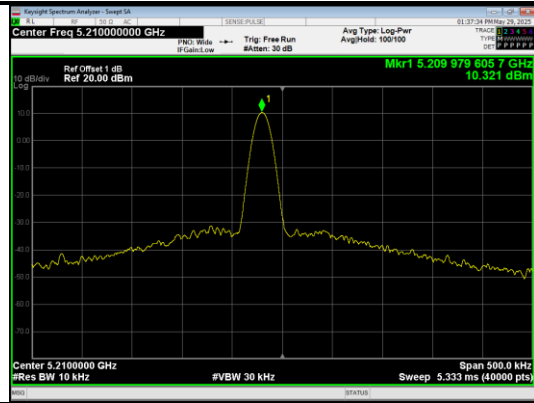


NT/NV_Antenna 0
IEEE 802.11ac_Channel 38_40MHz



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 *****