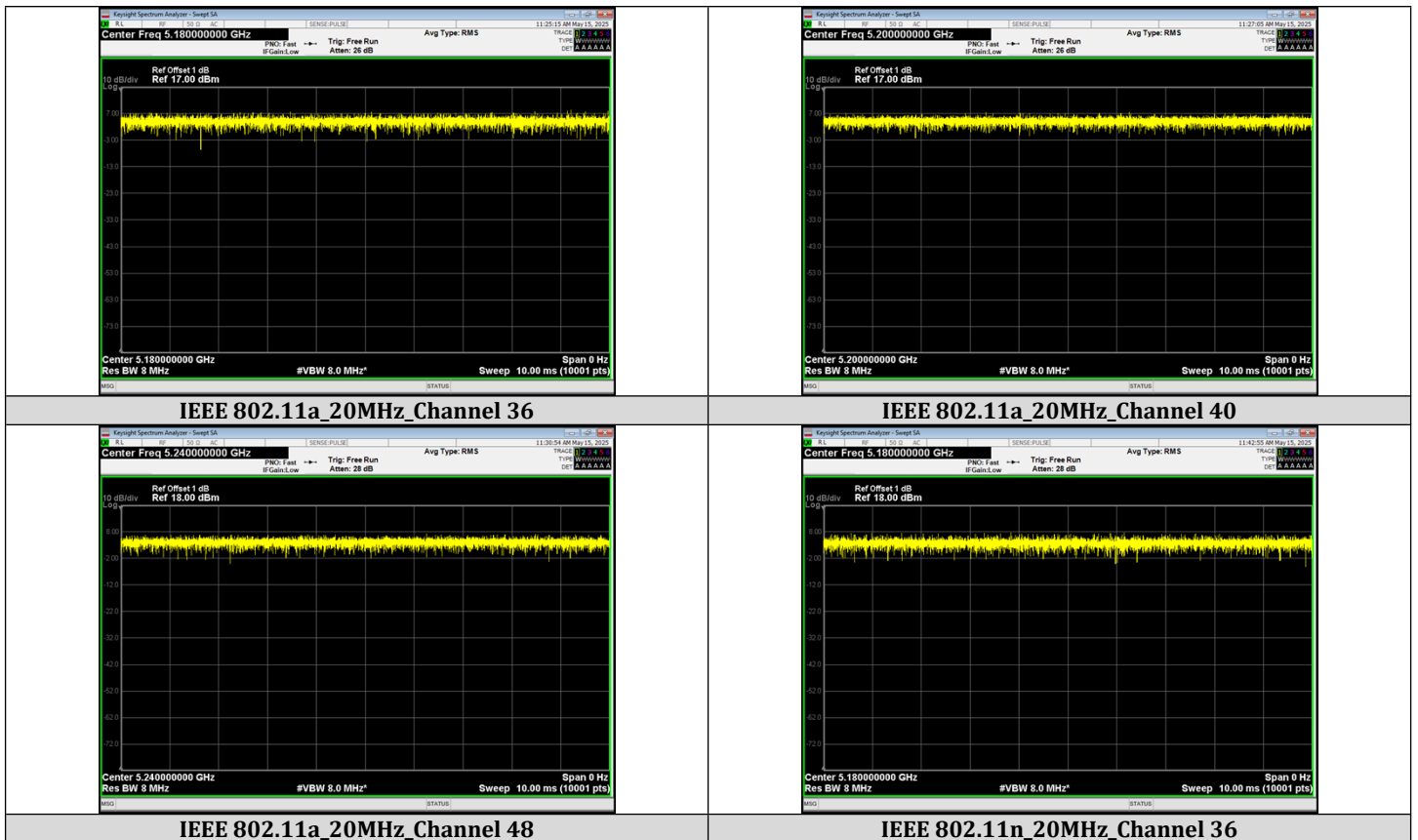
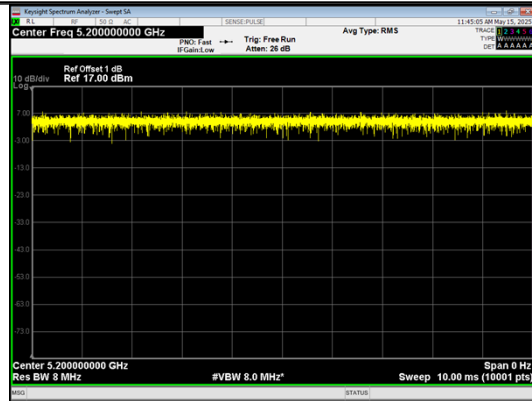


Duty Cycle Test Result

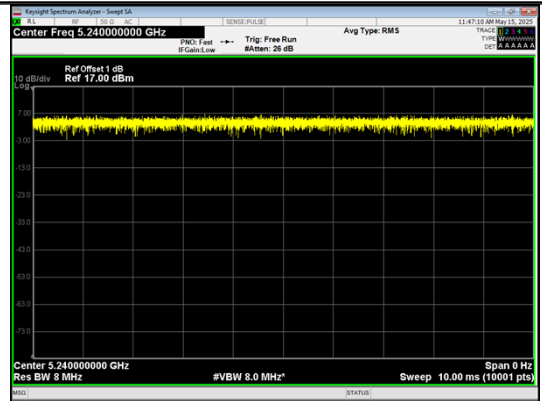
Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
IEEE 802.11a	6	36	1	10.000	10.000	100	1	0.0	0.1000
		40		10.000	10.000	100	1	0.0	0.1000
		48		10.000	10.000	100	1	0.0	0.1000
IEEE 802.11n_20		36		10.000	10.000	100	1	0.0	0.1000
		40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

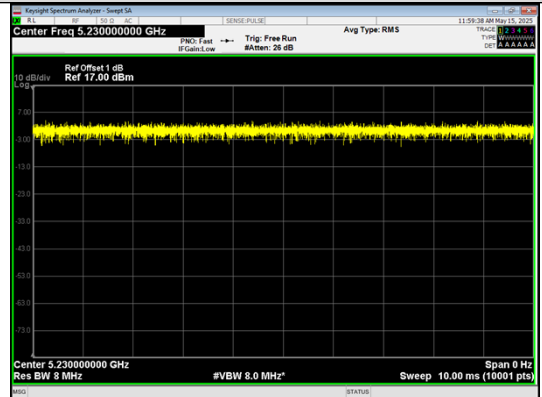
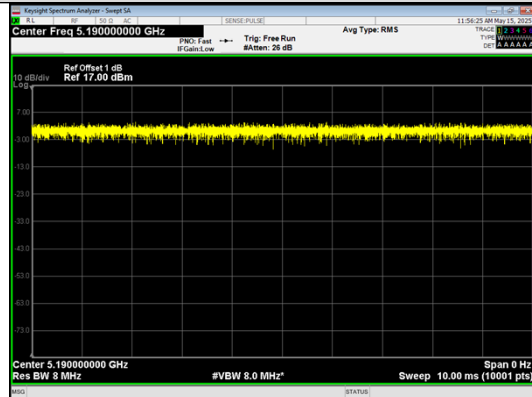




IEEE 802.11n_20MHz_Channel 40

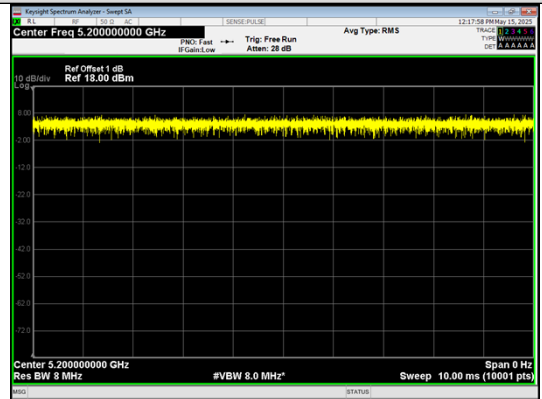
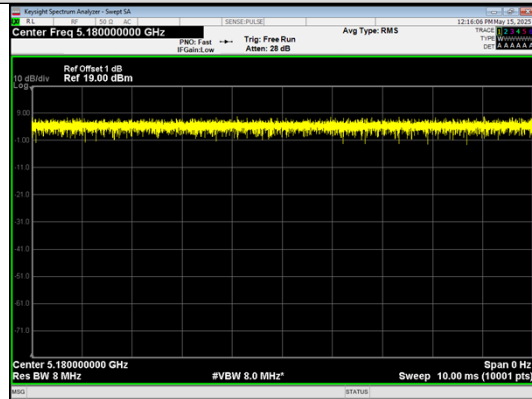


IEEE 802.11n_20MHz_Channel 48



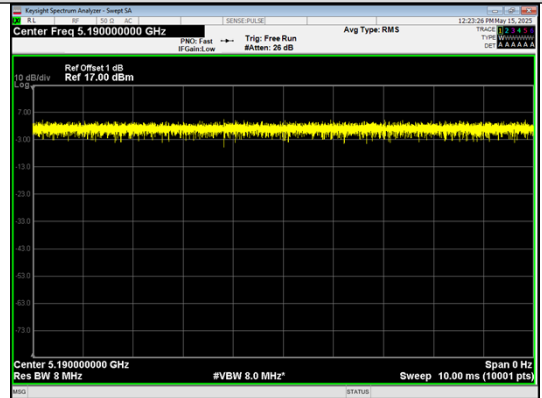
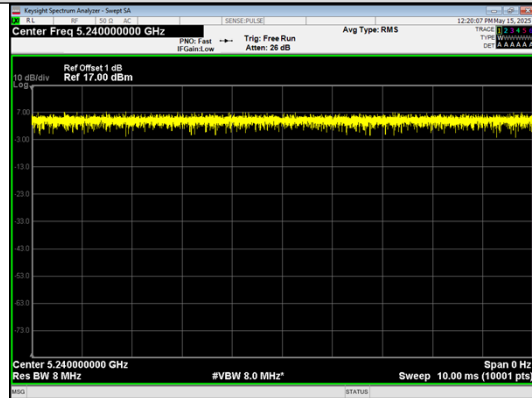
IEEE 802.11n_40MHz_Channel 38

IEEE 802.11n_40MHz_Channel 46



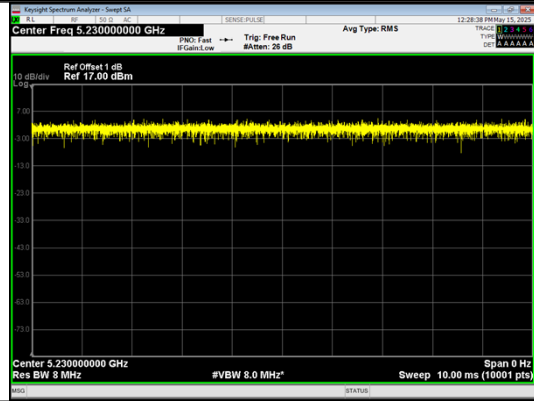
IEEE 802.11ac_20MHz_Channel 36

IEEE 802.11ac_20MHz_Channel 40

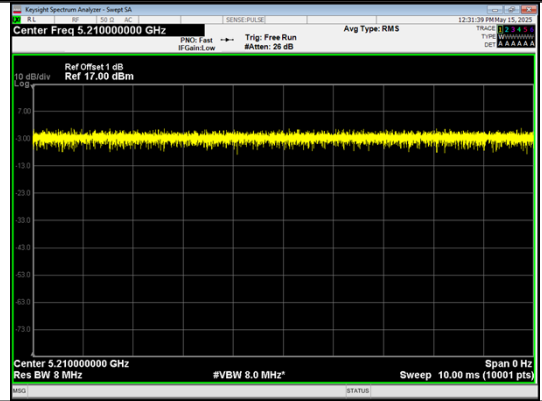


IEEE 802.11ac_20MHz_Channel 48

IEEE 802.11ac_40MHz_Channel 38



IEEE 802.11ac_40MHz_Channel 46



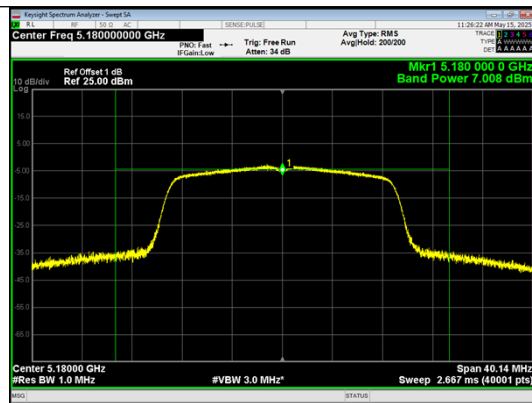
IEEE 802.11ac_80MHz_Channel 42

Conducted Output Power

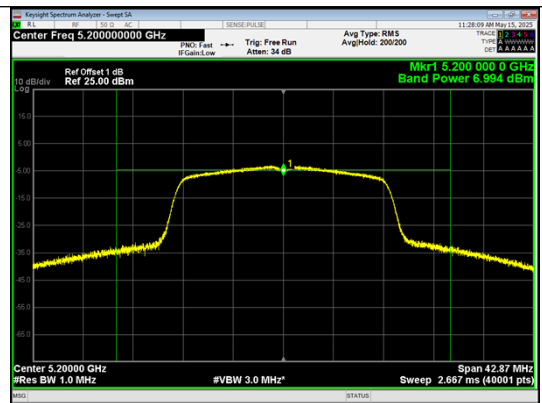
Conducted output power

Mode	Channel	Ant. 0 (dBm)	Corr'd Value Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11a	36	7.008	7.01	≤24	PASS
	40	6.994	6.99	≤24	PASS
	48	6.582	6.58	≤24	PASS
IEEE 802.11n_20	36	6.701	6.7	≤24	PASS
	40	7.045	7.04	≤24	PASS
	48	6.012	6.01	≤24	PASS
IEEE 802.11n_40	38	6.054	6.05	≤24	PASS
	46	5.767	5.77	≤24	PASS
IEEE 802.11ac_20	36	7.148	7.15	≤24	PASS
	40	6.881	6.88	≤24	PASS
	48	6.552	6.55	≤24	PASS
IEEE 802.11ac_40	38	7.002	7.0	≤24	PASS
	46	6.285	6.29	≤24	PASS
IEEE 802.11ac_80	42	6.267	6.27	≤24	PASS

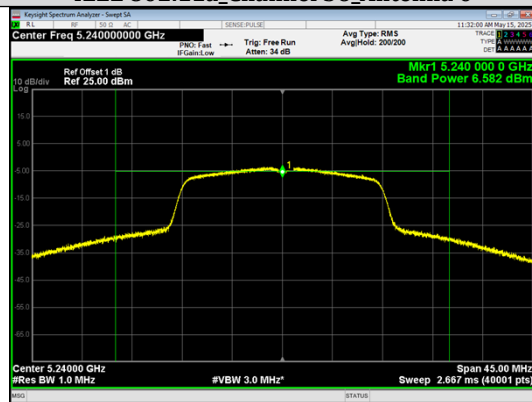
Note: Corr'd Value= Ant. 0 (dBm)+Duty cycle Factor.



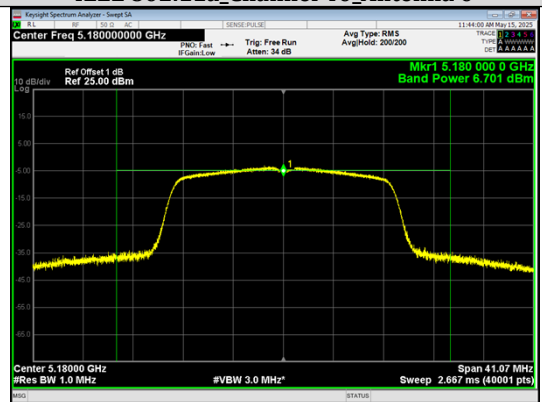
Conducted AVG output power
IEEE 802.11a_Channel 36_Antenna 0



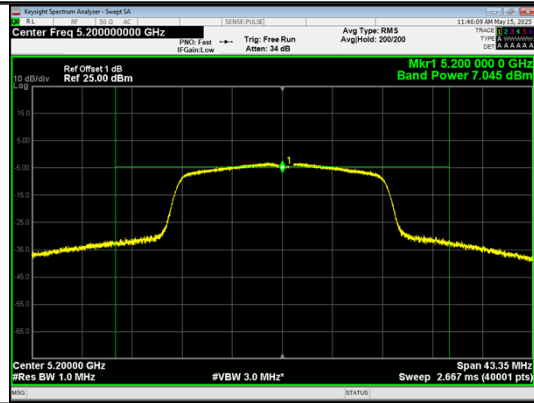
Conducted AVG output power
IEEE 802.11a_Channel 40_Antenna 0



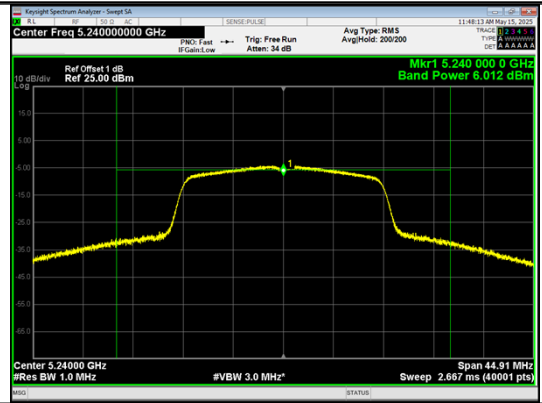
Conducted AVG output power
IEEE 802.11a_Channel 48_Antenna 0



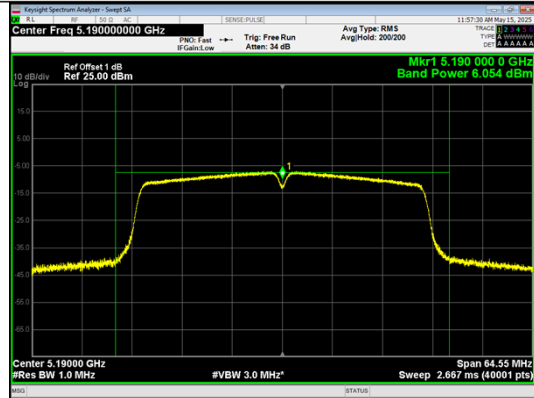
Conducted AVG output power
IEEE 802.11n_20_Channel 36_Antenna 0



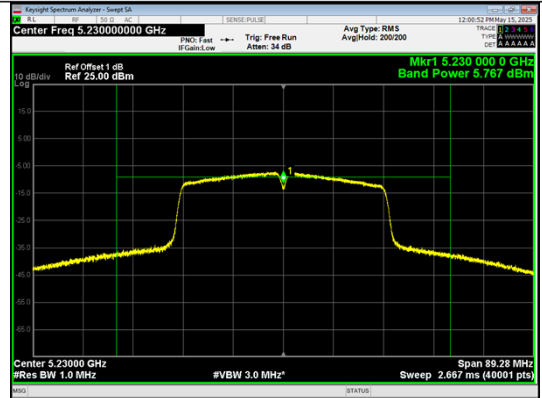
Conducted AVG output power
IEEE 802.11n_20_Channel 40_Antenna 0



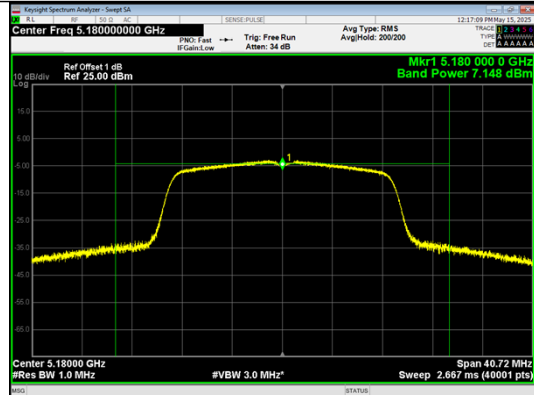
Conducted AVG output power
IEEE 802.11n_20_Channel 48_Antenna 0



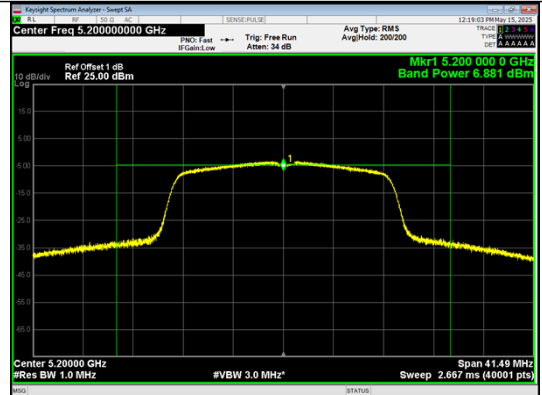
Conducted AVG output power
IEEE 802.11n_40_Channel 38_Antenna 0



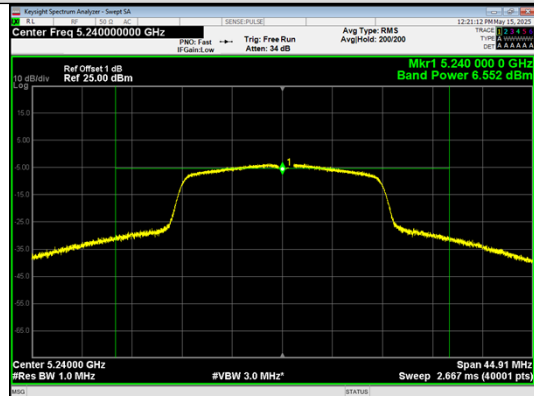
Conducted AVG output power
IEEE 802.11n_40_Channel 46_Antenna 0



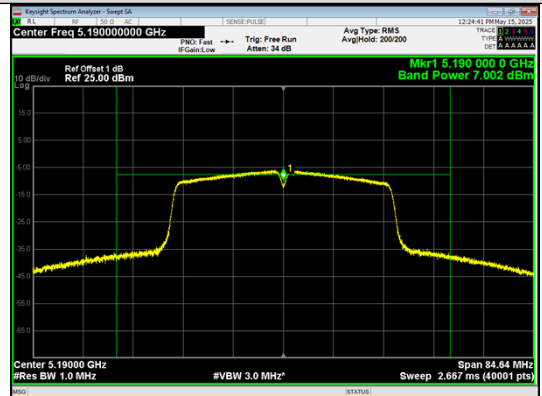
Conducted AVG output power
IEEE 802.11ac_20_Channel 36_Antenna 0



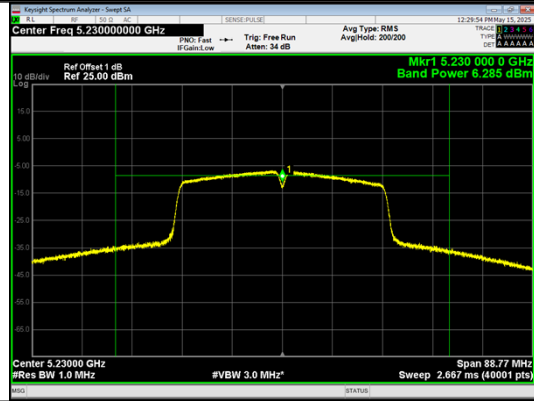
Conducted AVG output power
IEEE 802.11ac_20_Channel 40_Antenna 0



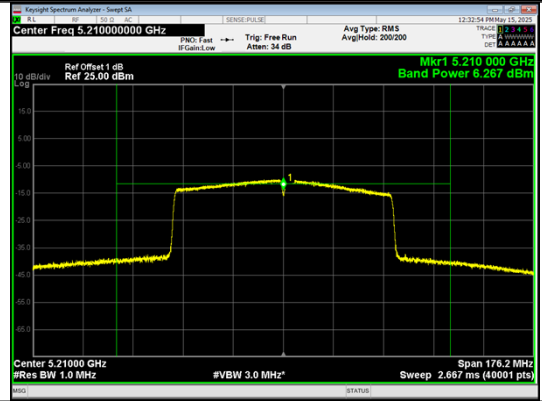
Conducted AVG output power
IEEE 802.11ac_20_Channel 48_Antenna 0



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

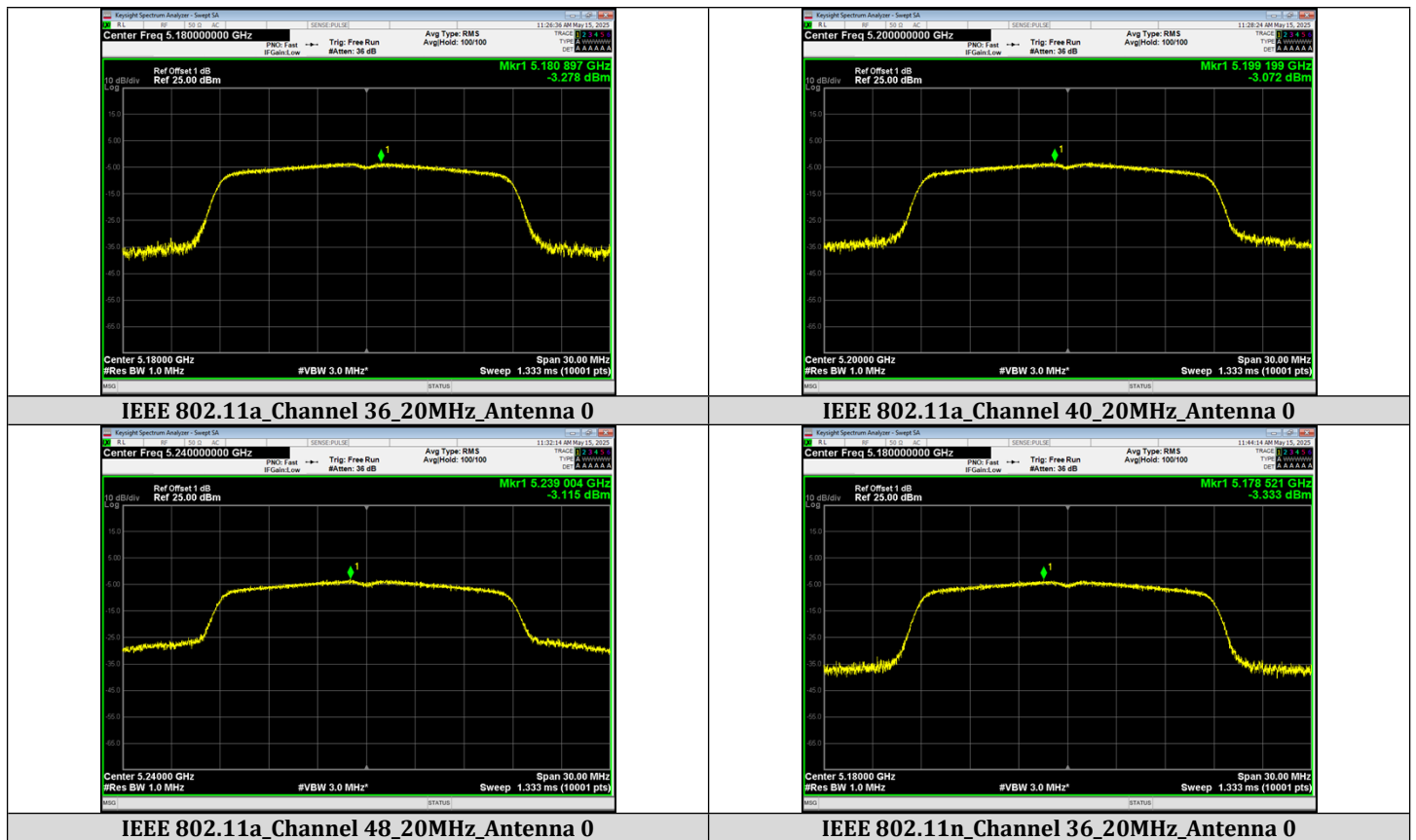
Peak Power Spectral Density

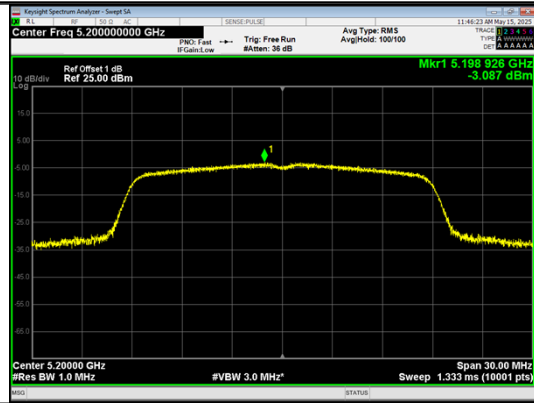
Test Result

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	-3.278	-3.278	11	PASS
	40	-3.072	-3.072		PASS
	48	-3.115	-3.115		PASS
IEEE 802.11n_20	36	-3.333	-3.333		PASS
	40	-3.087	-3.087		PASS
	48	-3.732	-3.732		PASS
IEEE 802.11n_40	38	-6.760	-6.76		PASS
	46	-6.821	-6.821		PASS
IEEE 802.11ac_20	36	-2.917	-2.917		PASS
	40	-2.993	-2.993		PASS
	48	-3.012	-3.012		PASS
IEEE 802.11ac_40	38	-5.788	-5.788		PASS
	46	-6.094	-6.094		PASS
IEEE 802.11ac_80	42	-9.598	-9.598		PASS

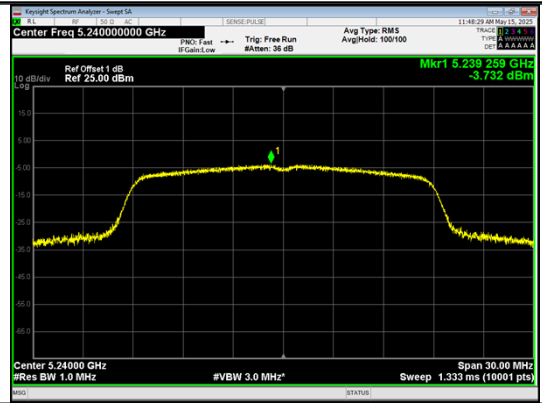
Note: Corr'd PSD = Meas PSD +Duty cycle Factor.

Test Graphs

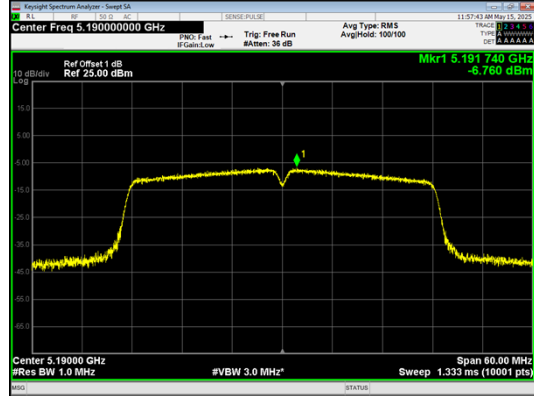




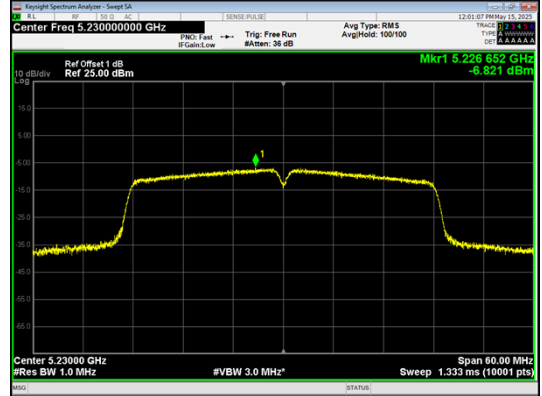
IEEE 802.11n_Channel 40_20MHz_Antenna 0



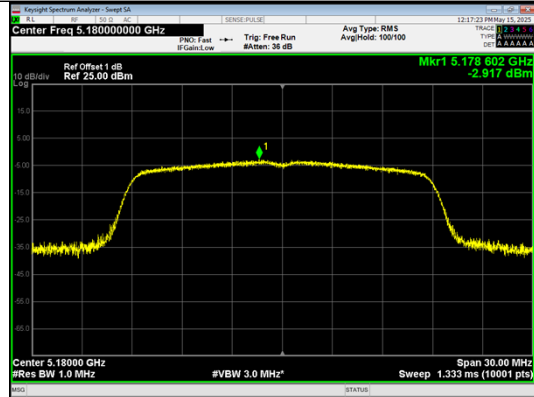
IEEE 802.11n_Channel 48_20MHz_Antenna 0



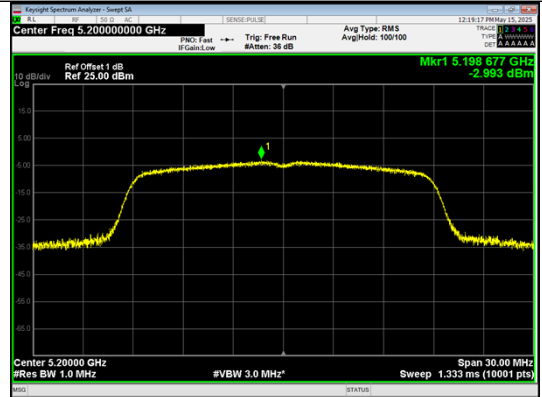
IEEE 802.11n_Channel 38_40MHz_Antenna 0



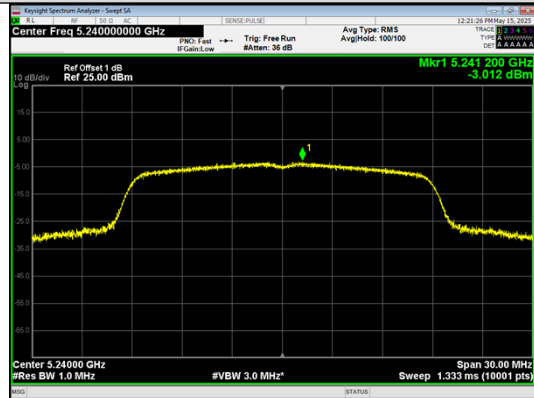
IEEE 802.11n_Channel 46_40MHz_Antenna 0



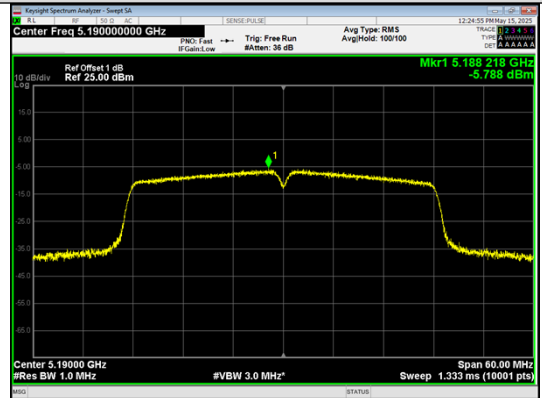
IEEE 802.11ac_Channel 36_20MHz_Antenna 0



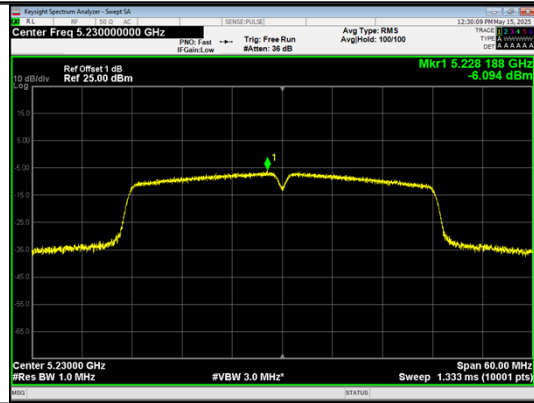
IEEE 802.11ac_Channel 40_20MHz_Antenna 0



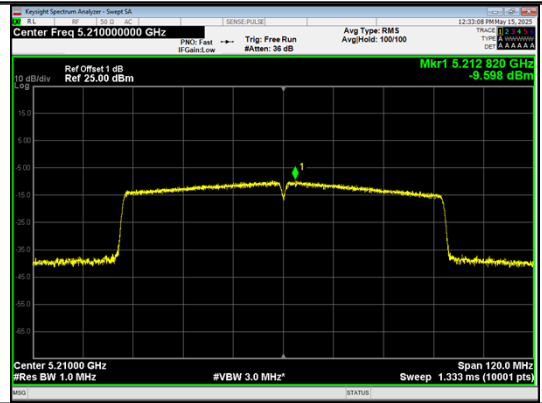
IEEE 802.11ac_Channel 48_20MHz_Antenna 0



IEEE 802.11ac_Channel 38_40MHz_Antenna 0



IEEE 802.11ac_Channel 46_40MHz_Antenna 0



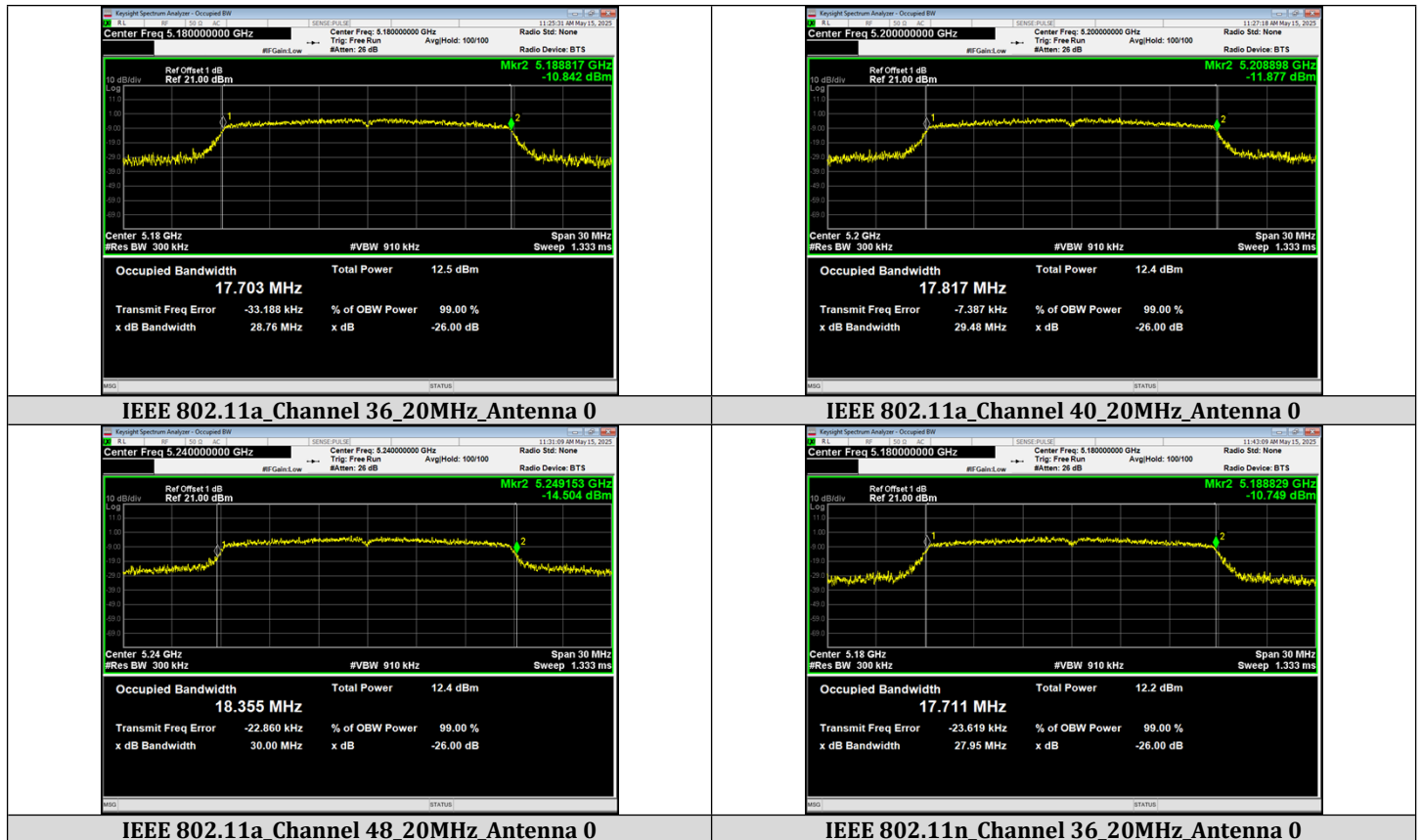
IEEE 802.11ac_Channel 42_80MHz_Antenna 0

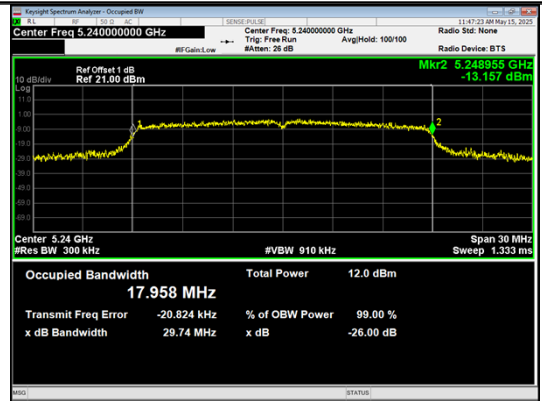
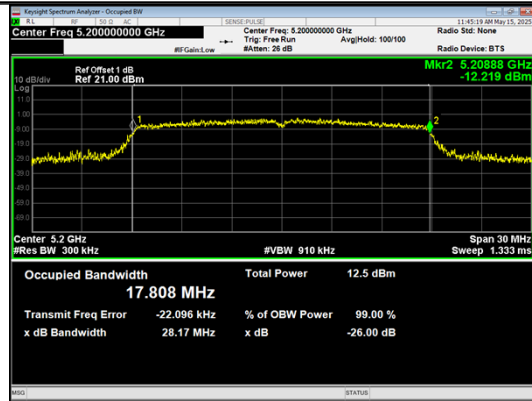
99% Bandwidth

Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11a	36	0	5180	17.703
	40		5200	17.817
	48		5240	18.355
IEEE 802.11n_20	36		5180	17.711
	40		5200	17.808
	48		5240	17.958
IEEE 802.11n_40	38		5190	36.100
	46		5230	36.247
IEEE 802.11ac_20	36		5180	17.754
	40		5200	17.779
	48		5240	18.107
IEEE 802.11ac_40	38		5190	36.117
	46		5230	36.274
IEEE 802.11ac_80	42		5210	75.510

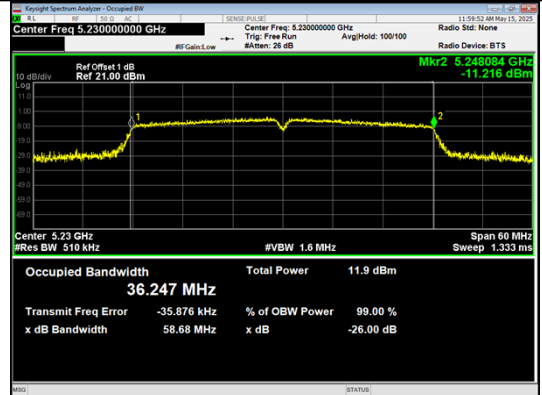
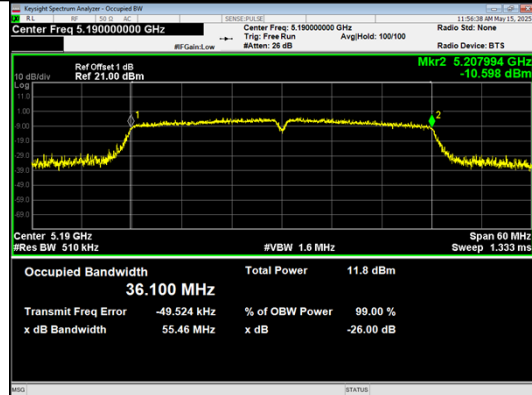
Test Graphs





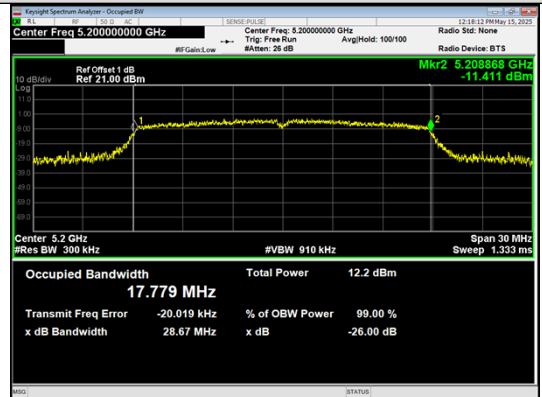
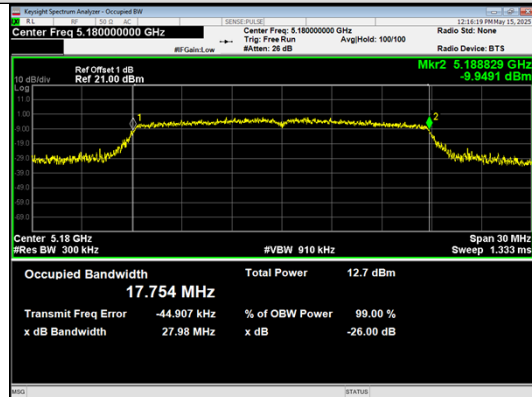
IEEE 802.11n_Channel 40_20MHz_Antenna 0

IEEE 802.11n_Channel 48_20MHz_Antenna 0



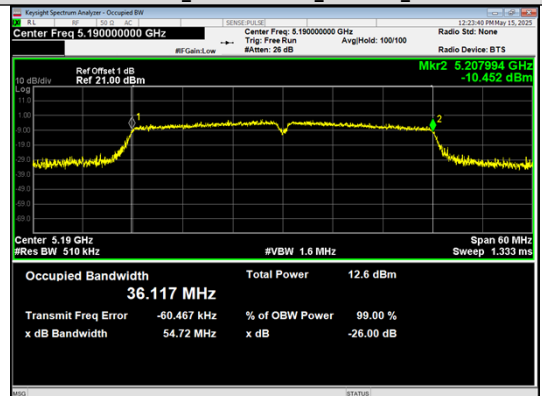
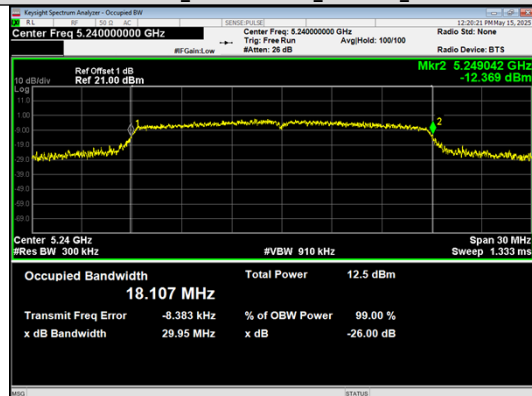
IEEE 802.11n_Channel 38_40MHz_Antenna 0

IEEE 802.11n_Channel 46_40MHz_Antenna 0



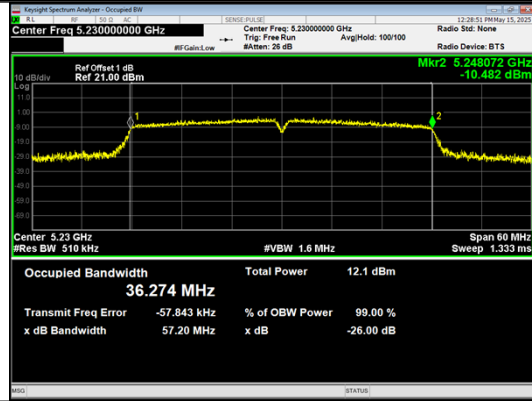
IEEE 802.11ac_Channel 36_20MHz_Antenna 0

IEEE 802.11ac_Channel 40_20MHz_Antenna 0

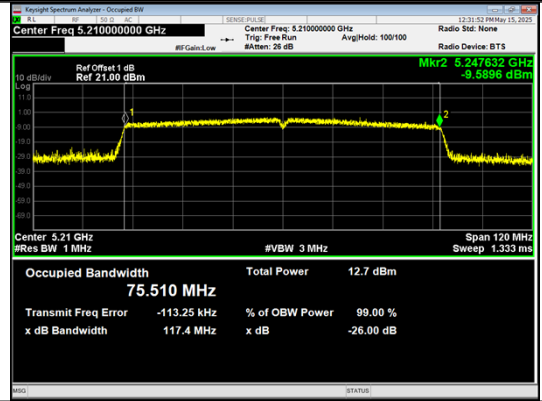


IEEE 802.11ac_Channel 48_20MHz_Antenna 0

IEEE 802.11ac_Channel 38_40MHz_Antenna 0



IEEE 802.11ac_Channel 46_40MHz_Antenna 0



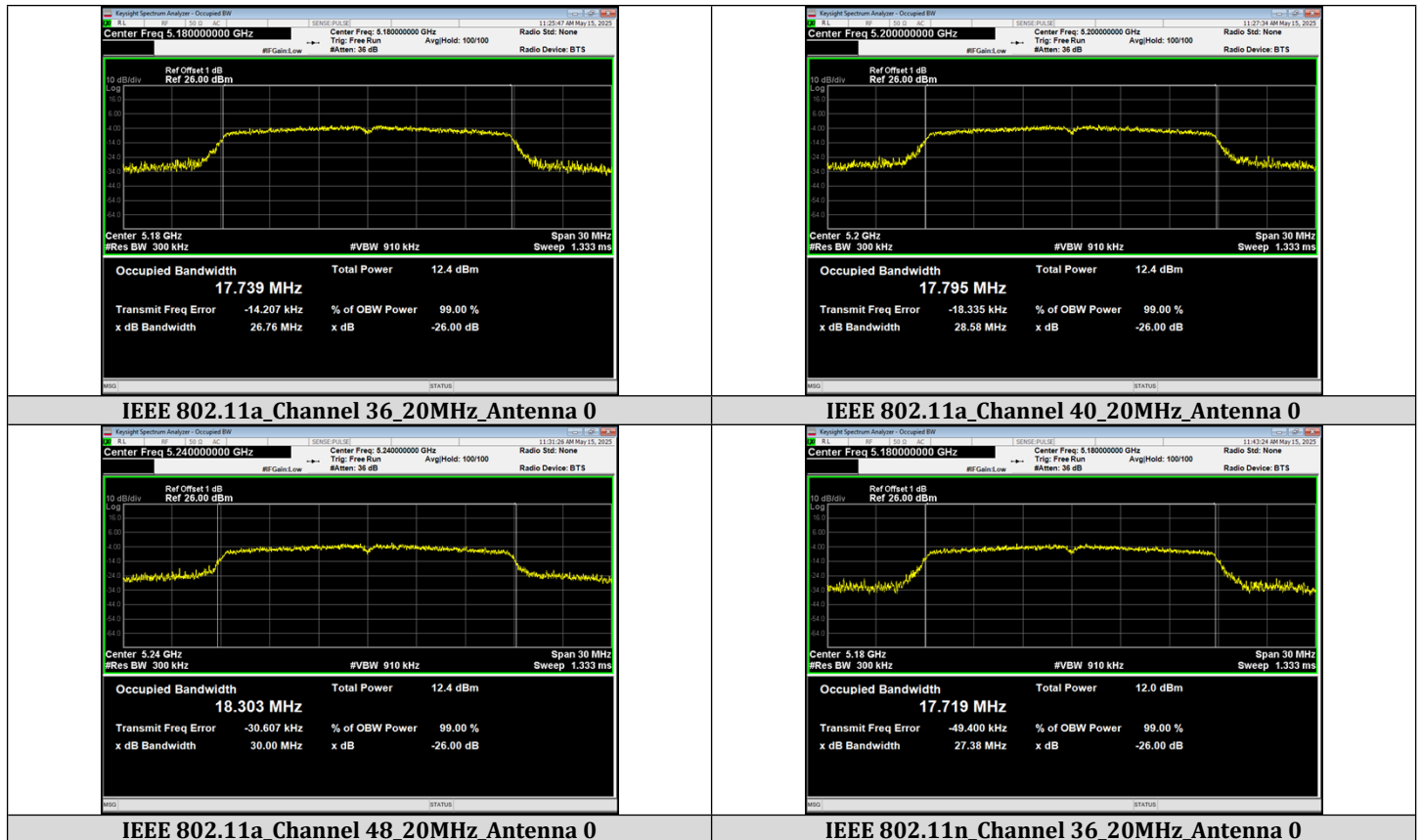
IEEE 802.11ac_Channel 42_80MHz_Antenna 0

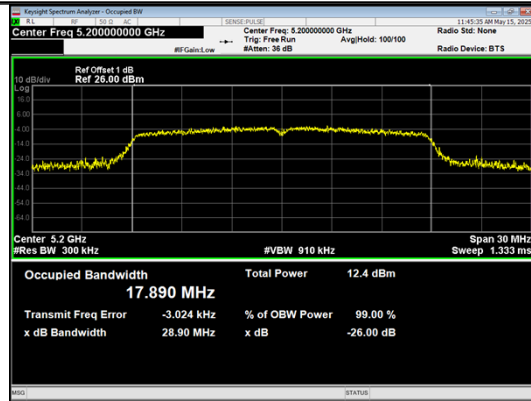
26dB Bandwidth

Test Result

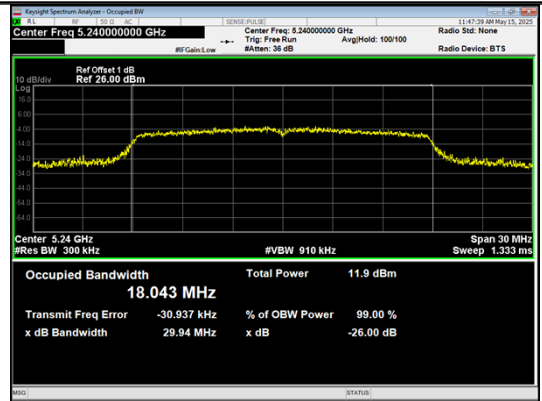
Mode	Channel	Ant.	Center Frequency (MHz)	26 dB Bandwidth (MHz)	RBW/EBW
IEEE 802.11a	36	0	5180	26.76	1.12
	40		5200	28.58	1.05
	48		5240	30.00	1.0
IEEE 802.11n_20	36		5180	27.38	1.1
	40		5200	28.90	1.04
	48		5240	29.94	1.0
IEEE 802.11n_40	38		5190	43.03	1.19
	46		5230	59.52	1.03
IEEE 802.11ac_20	36		5180	27.15	1.1
	40		5200	27.66	1.08
	48		5240	29.94	1.0
IEEE 802.11ac_40	38		5190	56.43	1.01
	46		5230	59.18	1.04
IEEE 802.11ac_80	42		5210	117.47	1.03

Test Graphs

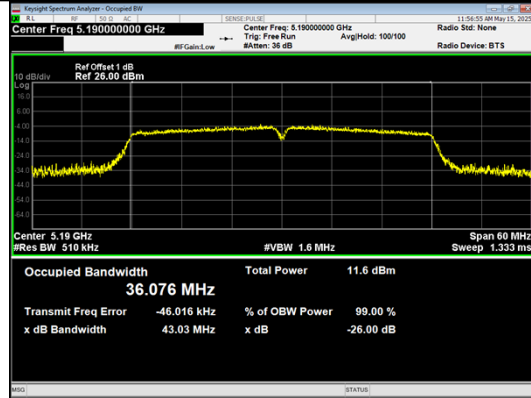




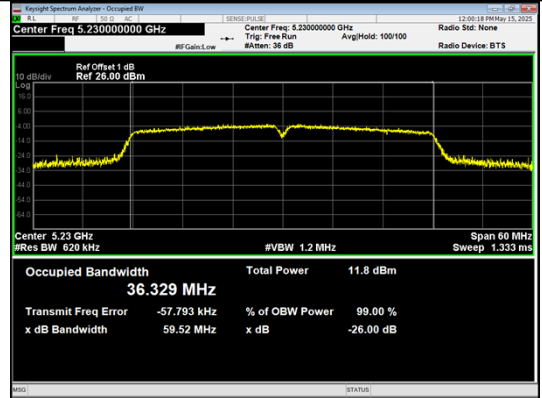
IEEE 802.11n_Channel 40_20MHz_Antenna 0



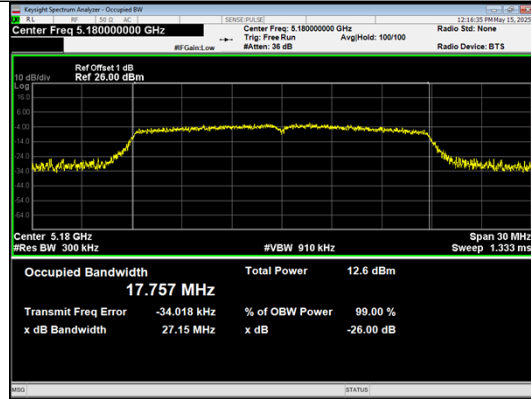
IEEE 802.11n_Channel 48_20MHz_Antenna 0



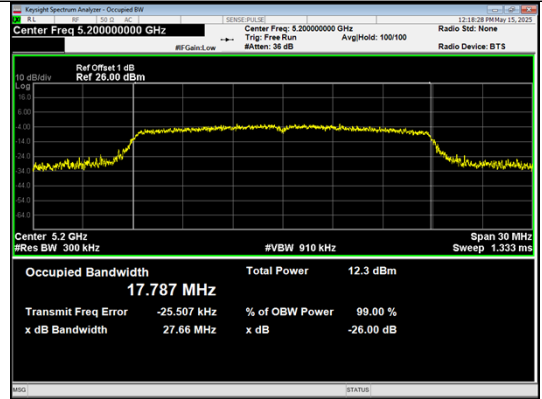
IEEE 802.11n_Channel 38_40MHz_Antenna 0



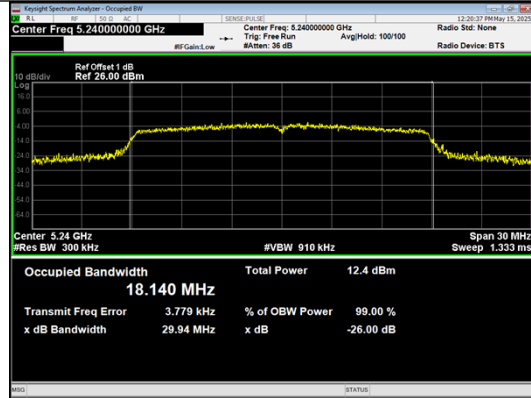
IEEE 802.11n_Channel 46_40MHz_Antenna 0



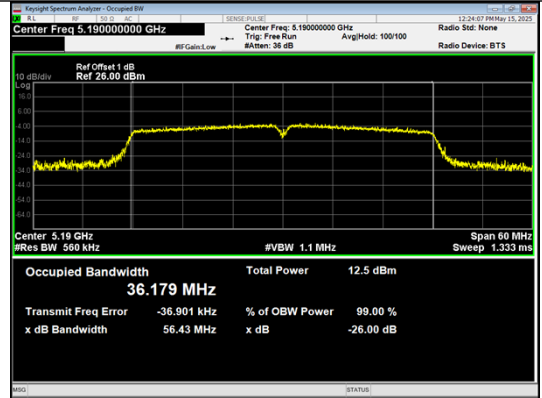
IEEE 802.11ac_Channel 36_20MHz_Antenna 0



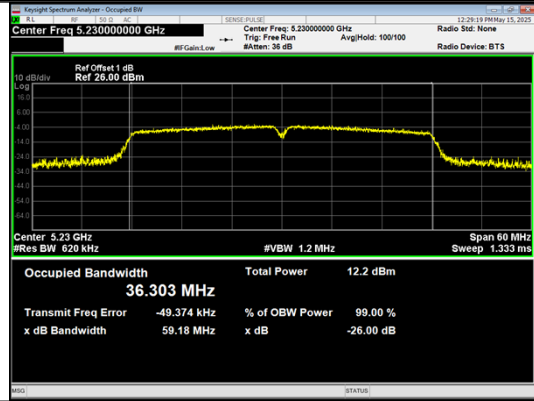
IEEE 802.11ac_Channel 40_20MHz_Antenna 0



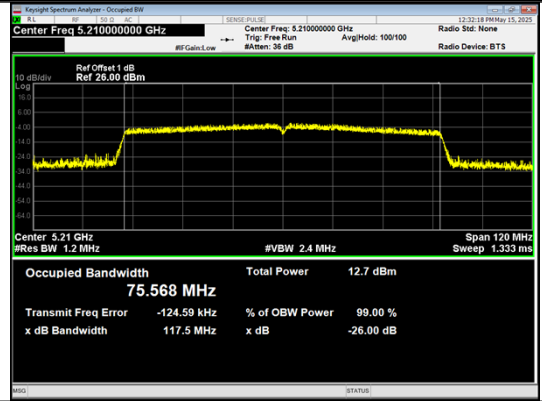
IEEE 802.11ac_Channel 48_20MHz_Antenna 0



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

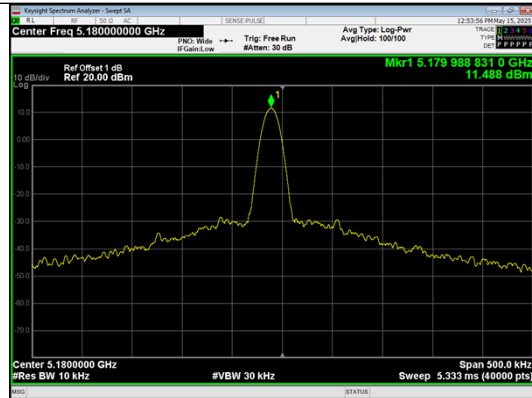
Test Result

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	5179.988831	-2.16	Within authorized band	PASS
		40		5200.0	5199.984881	-2.91		PASS
		48		5240.0	5239.984193	-3.02		PASS
	IEEE 802.11n_20	36		5180.0	5179.983643	-3.16		PASS
		40		5200.0	5199.981681	-3.52		PASS
		48		5240.0	5239.980906	-3.64		PASS
	IEEE 802.11n_40	38		5190.0	5189.982756	-3.32		PASS
		46		5230.0	5229.981593	-3.52		PASS
	IEEE 802.11ac_20	36		5180.0	5179.979581	-3.94		PASS
		40		5200.0	5199.979218	-4.0		PASS
		48		5240.0	5239.979081	-3.99		PASS
	IEEE 802.11ac_40	38		5190.0	5189.979568	-3.94		PASS
		46		5230.0	5229.979268	-3.96		PASS
	IEEE 802.11ac_80	42		5210.0	5209.979718	-3.89		PASS

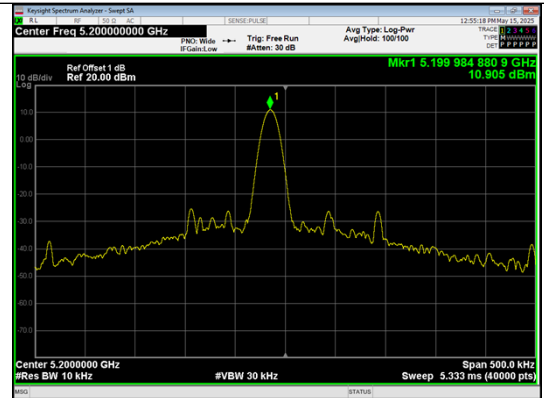
Test Graphs

NT/NV

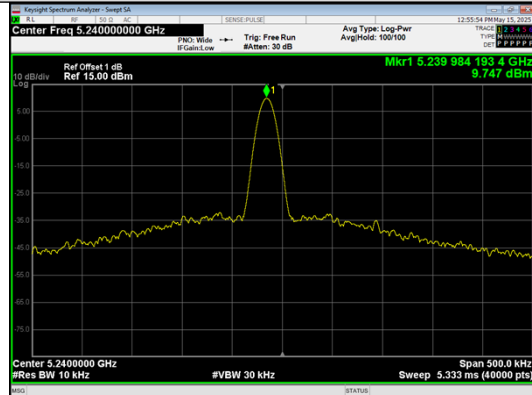
IEEE 802.11a



NT/NV_Antenna 0
IEEE 802.11a_Channel 36_20MHz

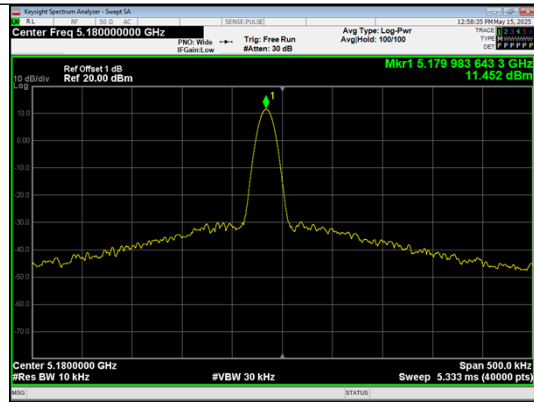


NT/NV_Antenna 0
IEEE 802.11a_Channel 40_20MHz

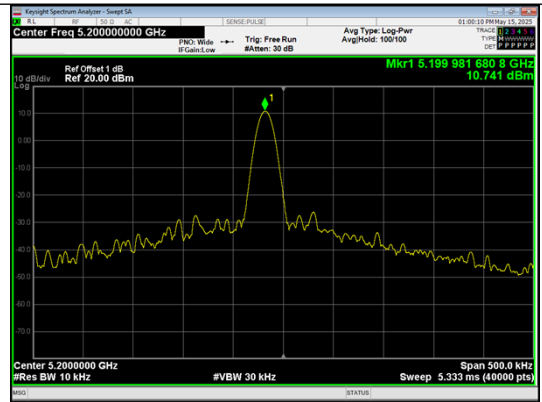


NT/NV_Antenna 0
IEEE 802.11a_Channel 48_20MHz

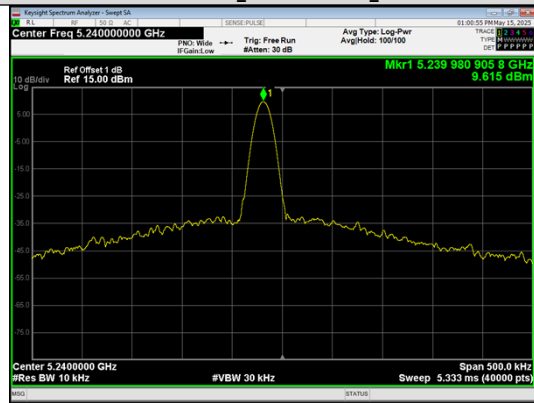
IEEE 802.11n_20



NT/NV_Antenna 0
IEEE 802.11n_Channel 36_20MHz

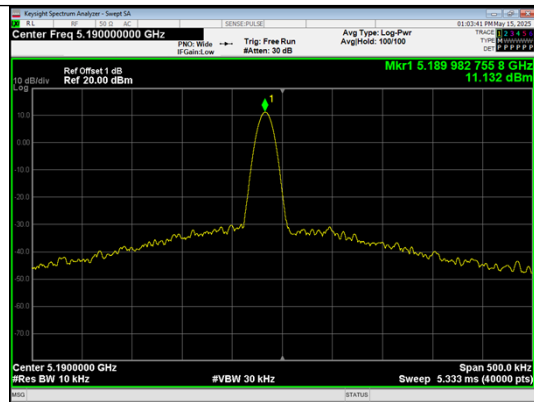


NT/NV_Antenna 0
IEEE 802.11n_Channel 40_20MHz

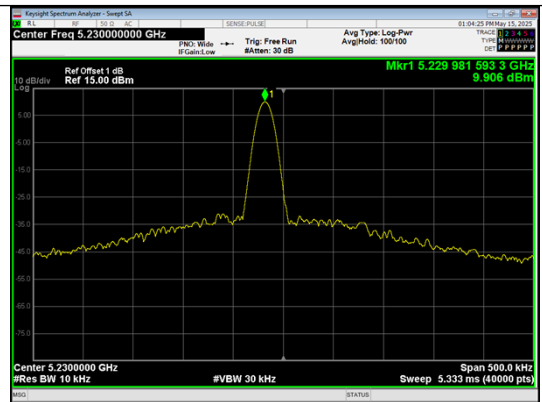


NT/NV_Antenna 0
IEEE 802.11n_Channel 48_20MHz

IEEE 802.11n_40

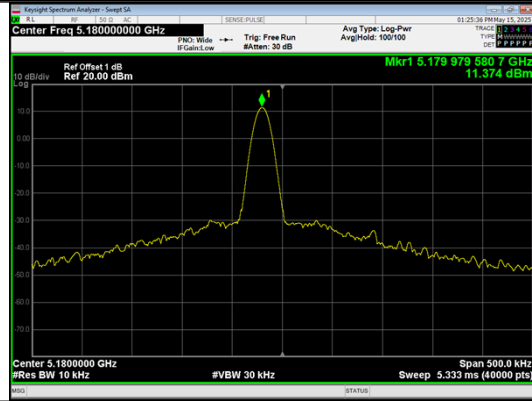


NT/NV_Antenna 0
IEEE 802.11n_Channel 38_40MHz

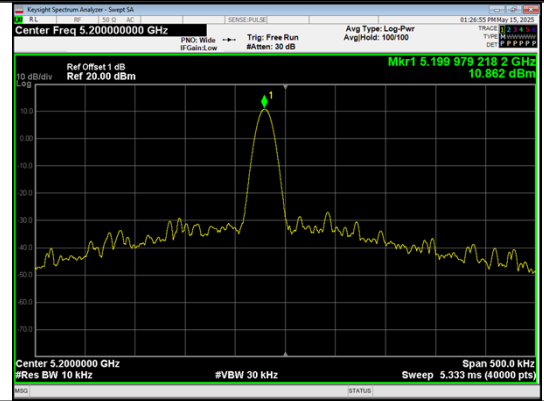


NT/NV_Antenna 0
IEEE 802.11n_Channel 46_40MHz

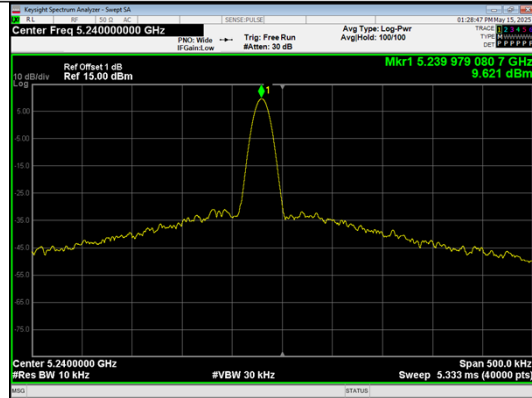
IEEE 802.11ac_20



NT/NV_Antenna 0
IEEE 802.11ac_Channel 36_20MHz

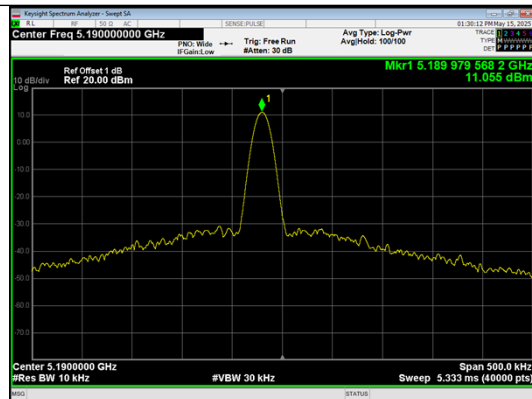


NT/NV_Antenna 0
IEEE 802.11ac_Channel 40_20MHz

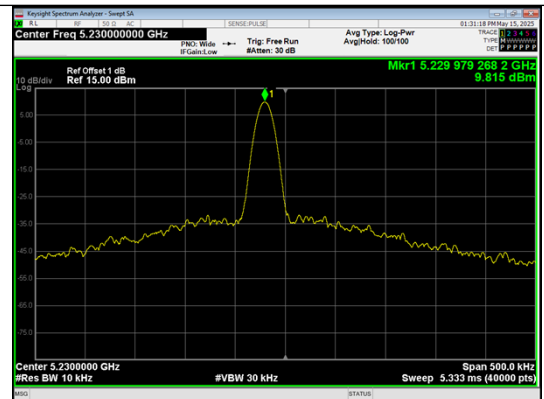


NT/NV_Antenna 0
IEEE 802.11ac_Channel 48_20MHz

IEEE 802.11ac_40

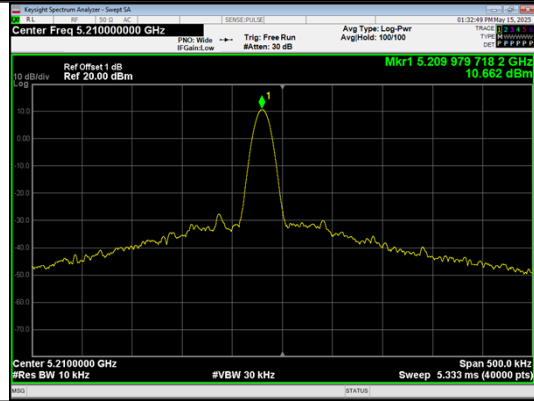


NT/NV_Antenna 0
IEEE 802.11ac_Channel 38_40MHz



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 *****