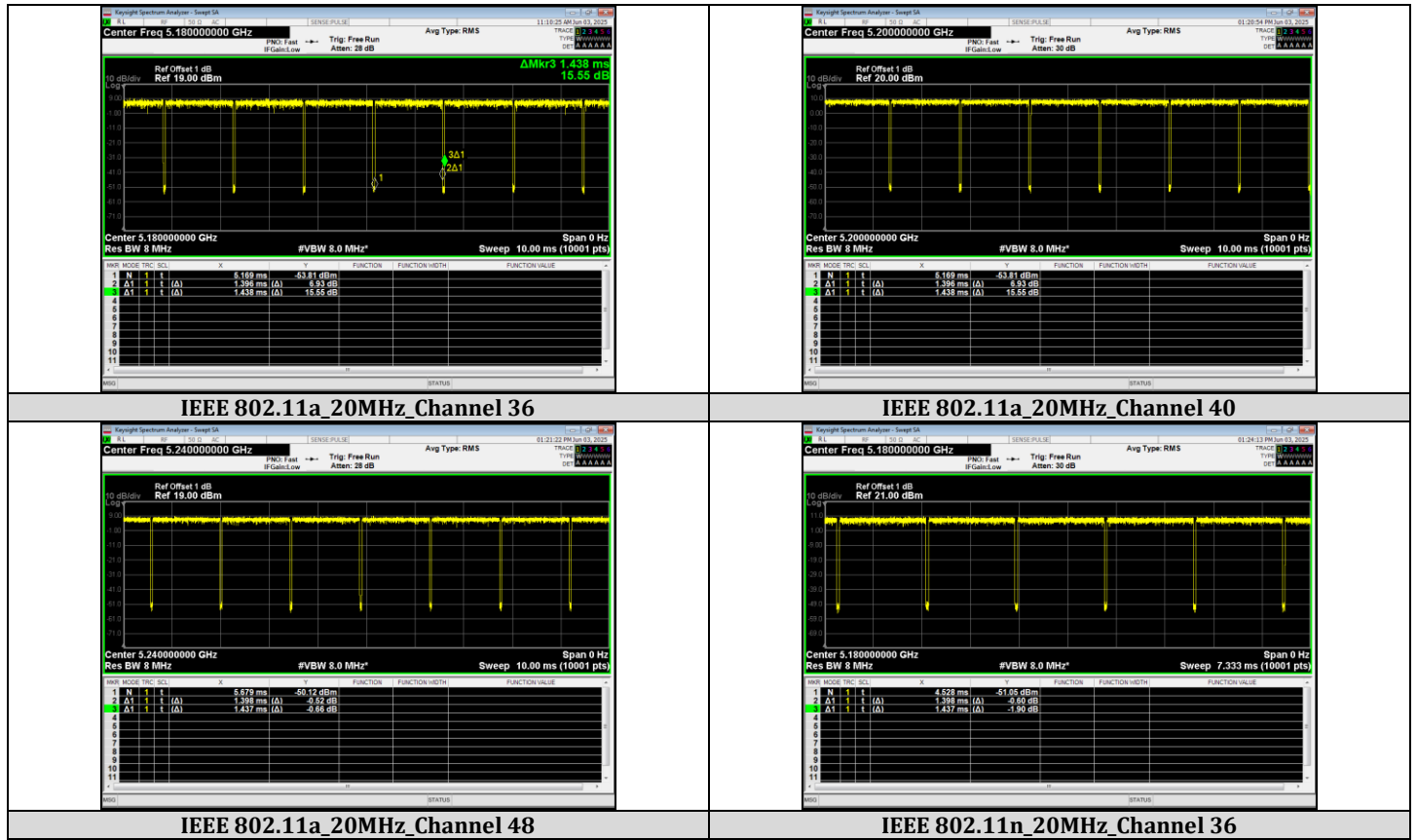
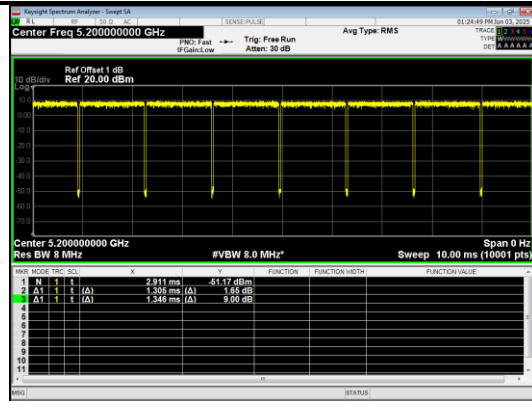


Duty Cycle Test Result

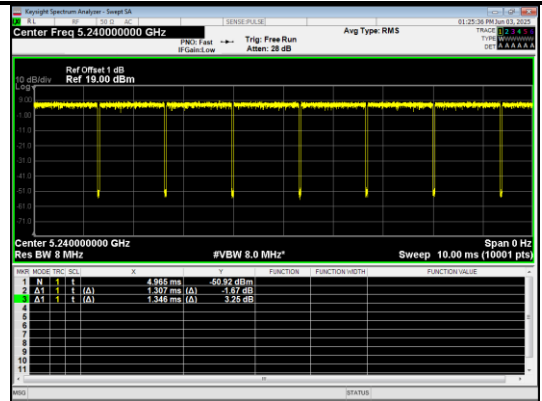
Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
IEEE 802.11a	6	36	1	1.396	1.438	97.08	0.9708	0.1287	0.7163
		40		1.398	1.437	97.29	0.9729	0.1193	0.7153
		48		1.398	1.437	97.29	0.9729	0.1193	0.7153
IEEE 802.11n_20		36		1.305	1.346	97.00	0.9700	0.1323	0.7663
		40		1.307	1.346	97.10	0.9710	0.1278	0.7651
		48		1.306	1.346	97.03	0.9703	0.1309	0.7657
IEEE 802.11n_40		38		0.652	0.692	94.09	0.9409	0.2646	1.5337
		46		0.652	0.692	94.09	0.9409	0.2646	1.5337
		36		1.318	1.358	97.05	0.9705	0.13	0.7587
IEEE 802.11ac_20		40		1.317	1.357	97.03	0.9703	0.1309	0.7593
		48		1.318	1.357	97.13	0.9713	0.1265	0.7587
		38		0.656	0.697	94.13	0.9413	0.2627	1.5244
IEEE 802.11ac_40		46		0.656	0.696	94.13	0.9413	0.2627	1.5244
		42		0.327	0.369	88.75	0.8875	0.5183	3.0581

Test Graphs

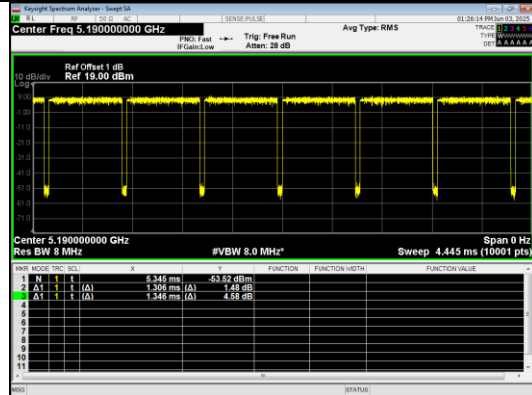




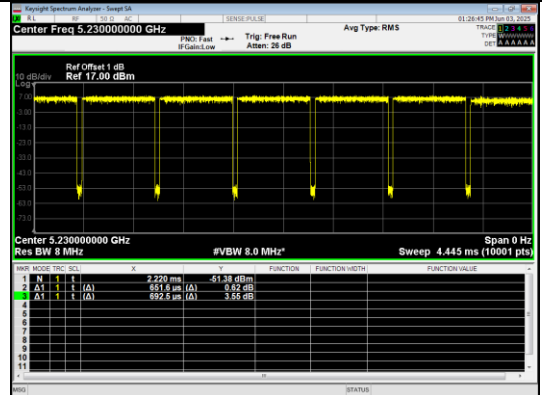
IEEE 802.11n_20MHz_Channel 40



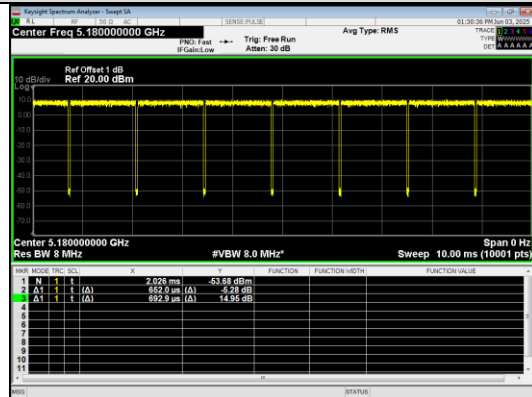
IEEE 802.11n_20MHz_Channel 48



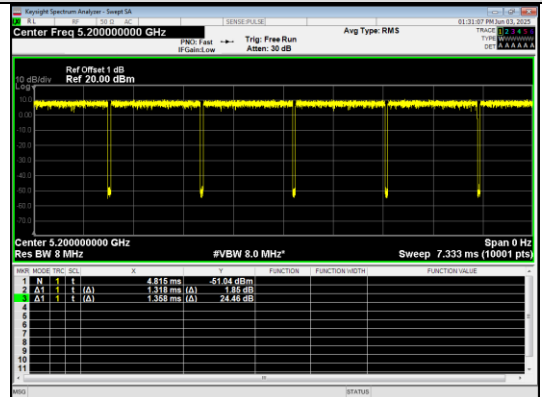
IEEE 802.11n_40MHz_Channel 38



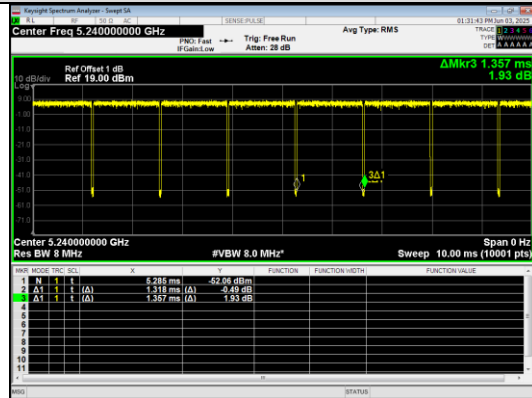
IEEE 802.11n_40MHz_Channel 46



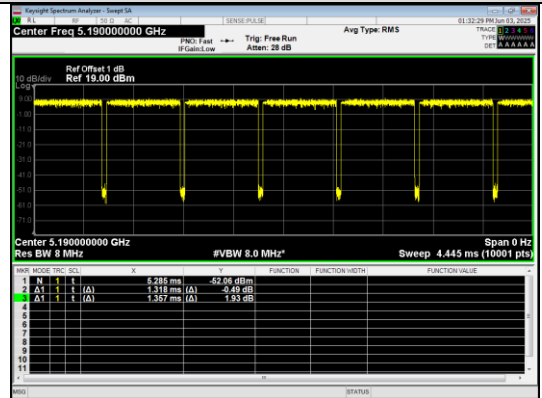
IEEE 802.11ac_20MHz_Channel 36



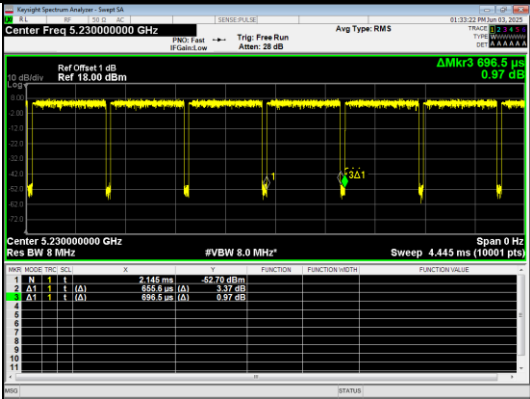
IEEE 802.11ac_20MHz_Channel 40



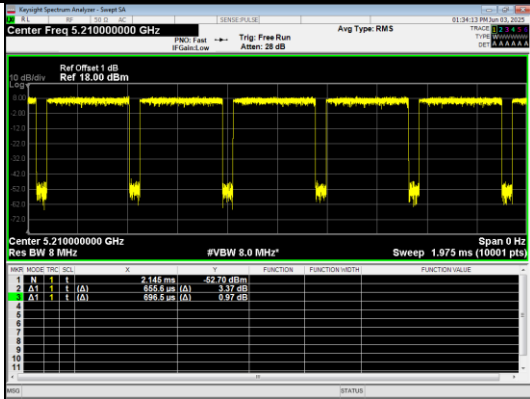
IEEE 802.11ac_20MHz_Channel 48



IEEE 802.11ac_40MHz_Channel 38



IEEE 802.11ac_40MHz_Channel 46



IEEE 802.11ac_80MHz_Channel 42

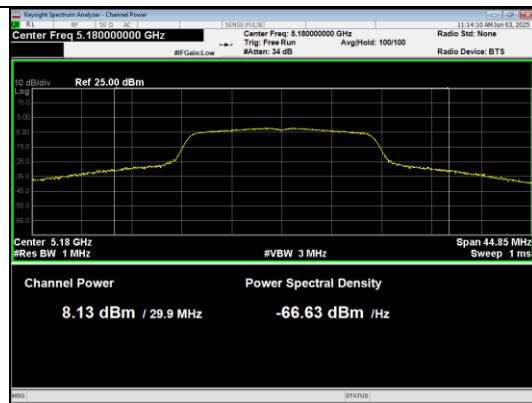


Conducted Output Power

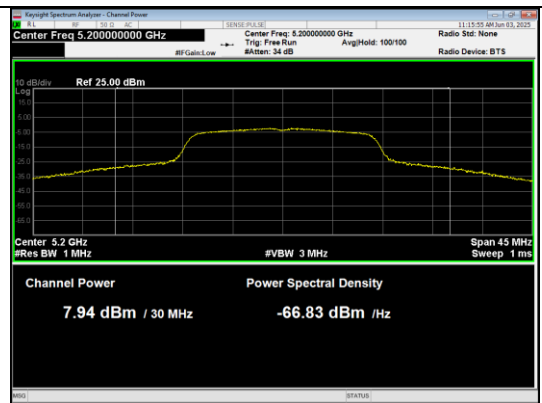
Conducted output power

Mode	Channel	Ant. 0 (dBm)	Corr'd Value Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11a	36	8.13	8.25	≤24	PASS
	40	7.94	8.06	≤24	PASS
	48	7.00	7.12	≤24	PASS
IEEE 802.11n_20	36	8.30	8.43	≤24	PASS
	40	7.93	8.06	≤24	PASS
	48	6.66	6.79	≤24	PASS
IEEE 802.11n_40	38	7.49	7.76	≤24	PASS
	46	7.72	7.99	≤24	PASS
IEEE 802.11ac_20	36	8.39	8.52	≤24	PASS
	40	8.00	8.13	≤24	PASS
	48	6.71	6.84	≤24	PASS
IEEE 802.11ac_40	38	7.53	7.79	≤24	PASS
	46	6.69	6.95	≤24	PASS
IEEE 802.11ac_80	42	6.10	6.61	≤24	PASS

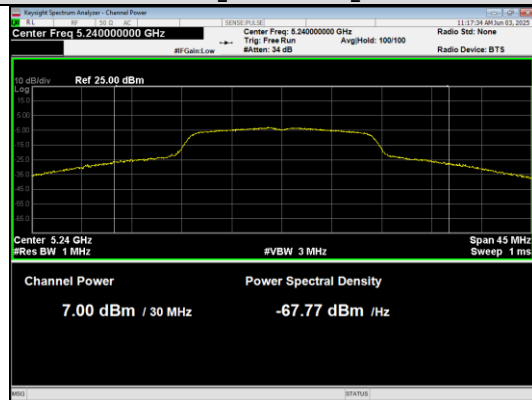
Note: Corr'd Value= Ant. 0 (dBm)+Duty cycle Factor.



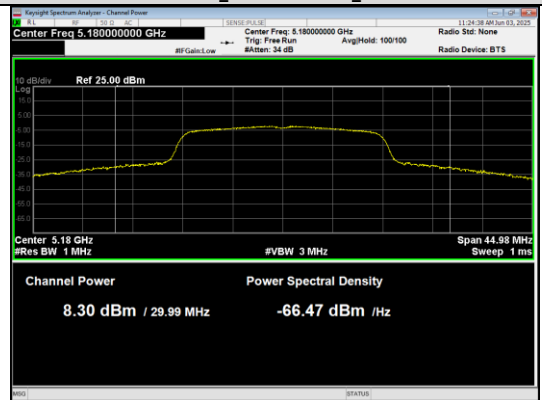
Conducted AVG output power
IEEE 802.11a_Channel 36_Antenna 0



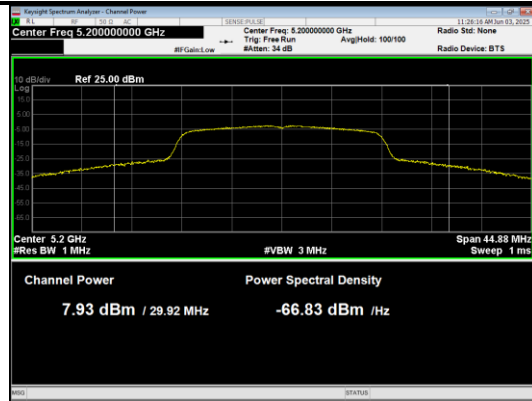
Conducted AVG output power
IEEE 802.11a_Channel 40_Antenna 0



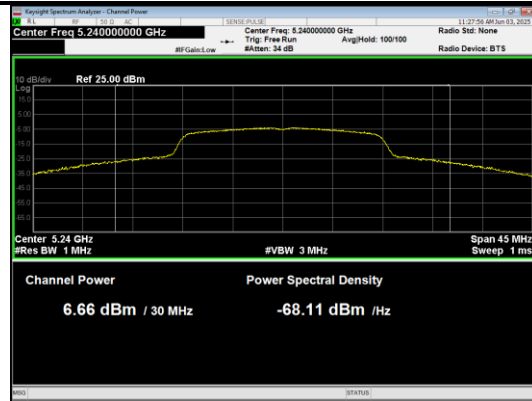
Conducted AVG output power
IEEE 802.11a_Channel 48_Antenna 0



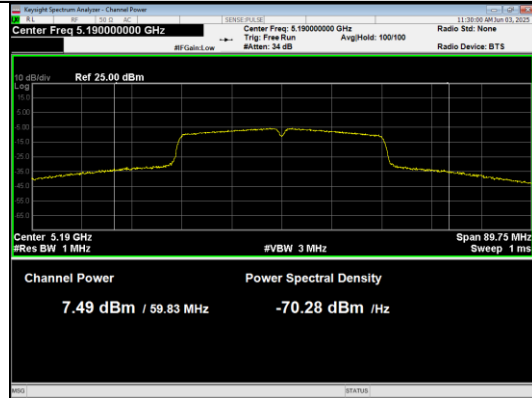
Conducted AVG output power
IEEE 802.11n_20_Channel 36_Antenna 0



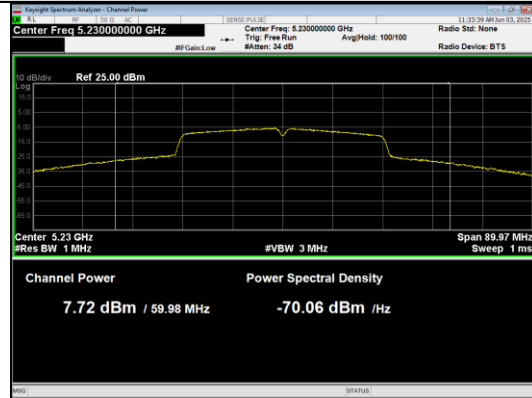
Conducted AVG output power
IEEE 802.11n_20_Channel 40_Antenna 0



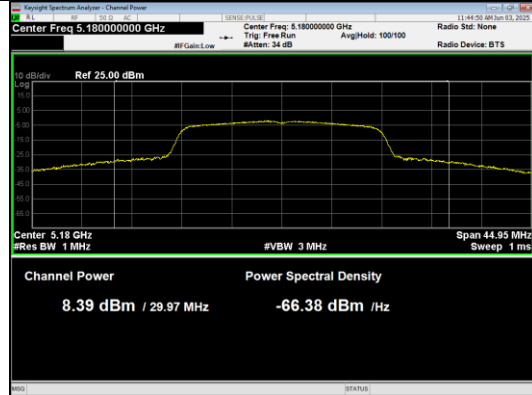
Conducted AVG output power
IEEE 802.11n_20_Channel 48_Antenna 0



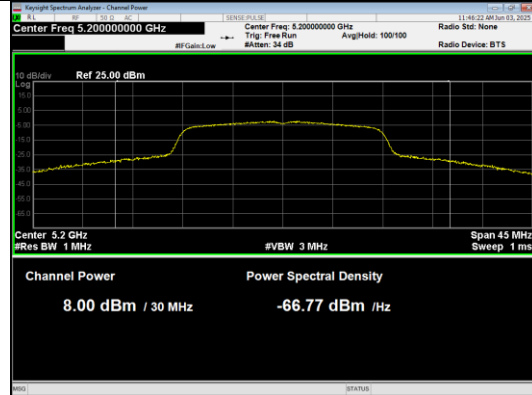
Conducted AVG output power
IEEE 802.11n_40_Channel 38_Antenna 0



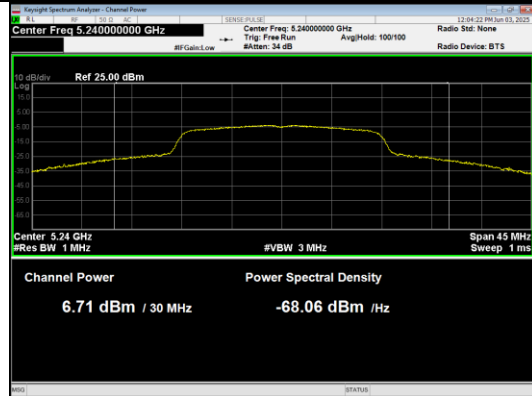
Conducted AVG output power
IEEE 802.11n_40_Channel 46_Antenna 0



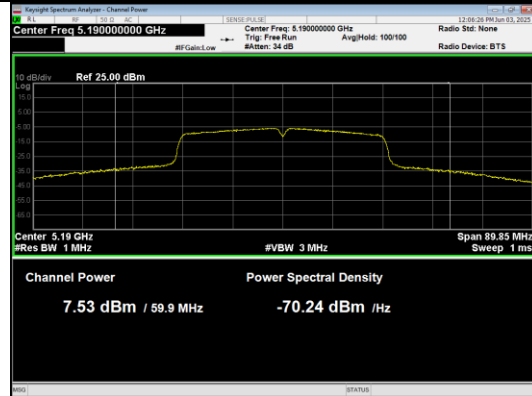
Conducted AVG output power
IEEE 802.11ac_20_Channel 36_Antenna 0



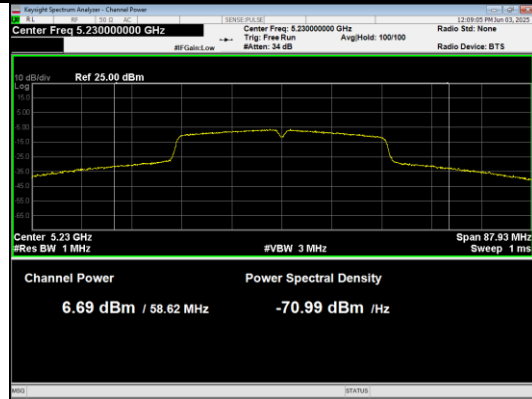
Conducted AVG output power
IEEE 802.11ac_20_Channel 40_Antenna 0



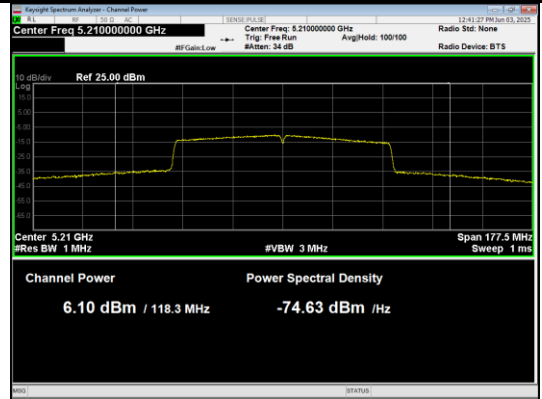
Conducted AVG output power
IEEE 802.11ac_20_Channel 48_Antenna 0



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



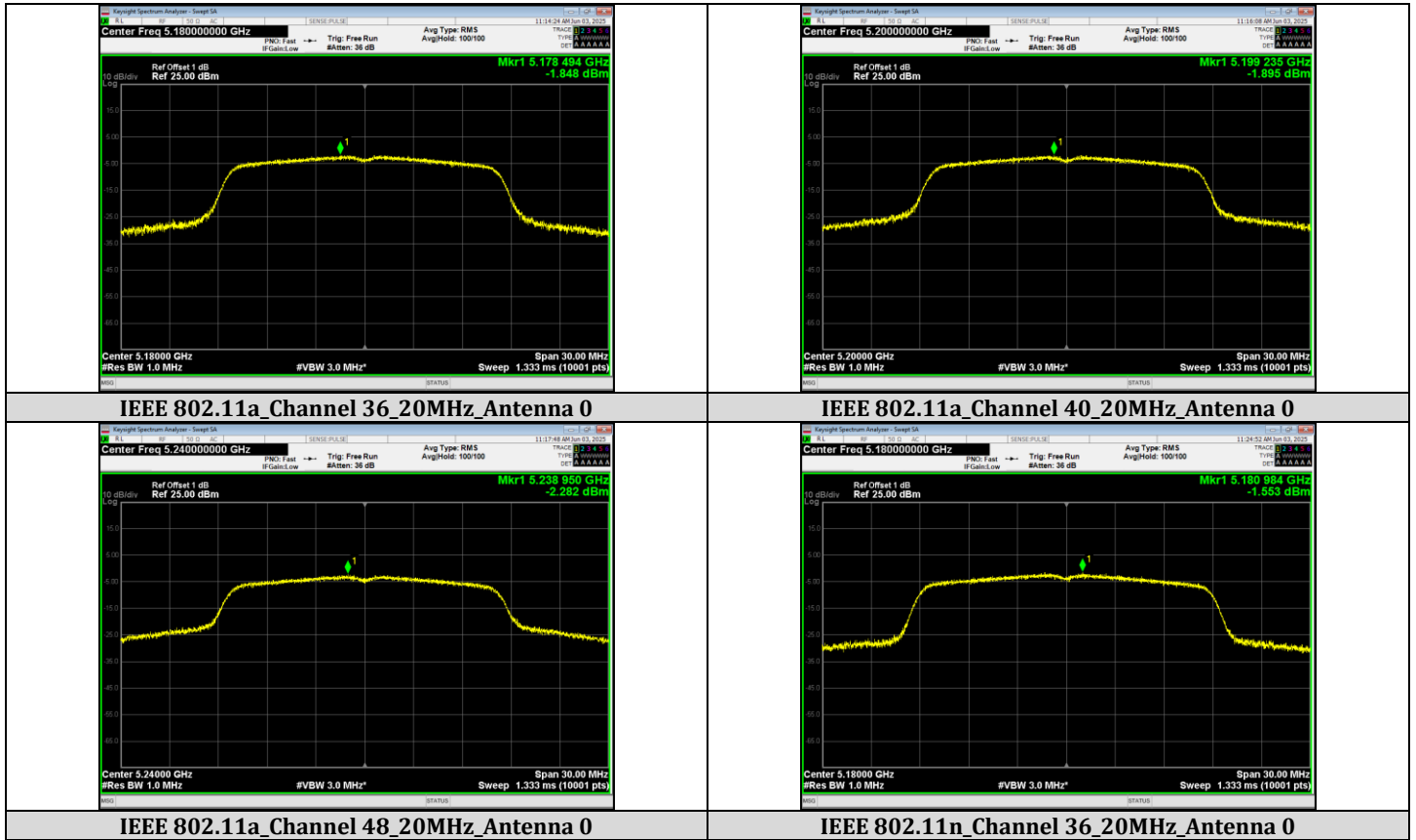
Peak Power Spectral Density

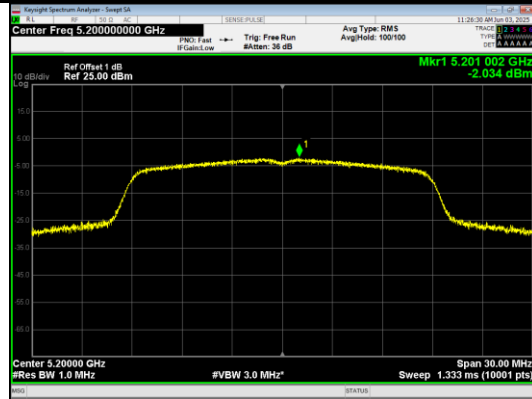
Test Result

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	-1.848	-1.729	11	PASS
	40	-1.895	-1.776		PASS
	48	-2.282	-2.163		PASS
IEEE 802.11n_20	36	-1.553	-1.422		PASS
	40	-2.034	-1.903		PASS
	48	-2.936	-2.805		PASS
IEEE 802.11n_40	38	-5.281	-5.016		PASS
	46	-6.330	-6.065		PASS
IEEE 802.11ac_20	36	-1.491	-1.365		PASS
	40	-1.921	-1.794		PASS
	48	-2.960	-2.833		PASS
IEEE 802.11ac_40	38	-5.383	-5.12		PASS
	46	-6.877	-6.614		PASS
IEEE 802.11ac_80	42	-10.017	-9.499		PASS

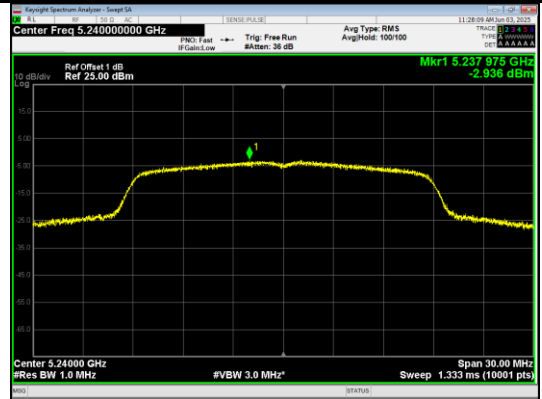
Note: Corr'd PSD = Meas PSD +Duty cycle Factor

Test Graphs

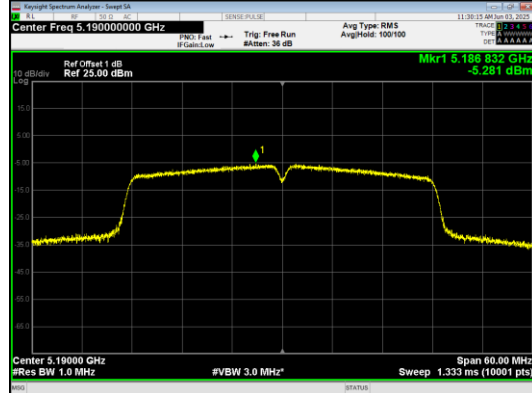




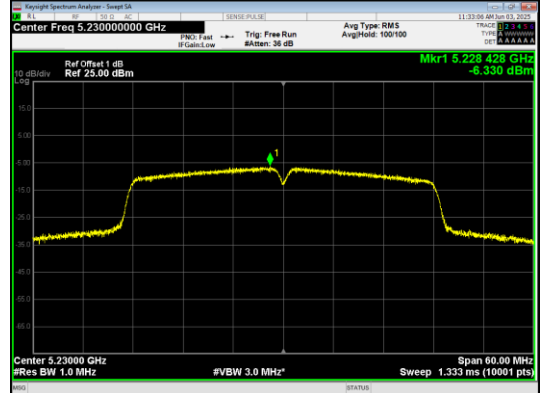
IEEE 802.11n_Channel 40_20MHz_Antenna 0



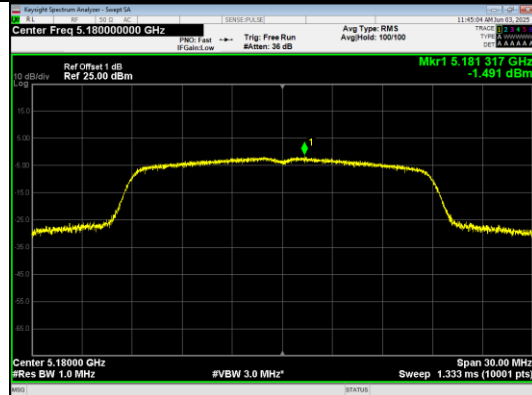
IEEE 802.11n_Channel 48_20MHz_Antenna 0



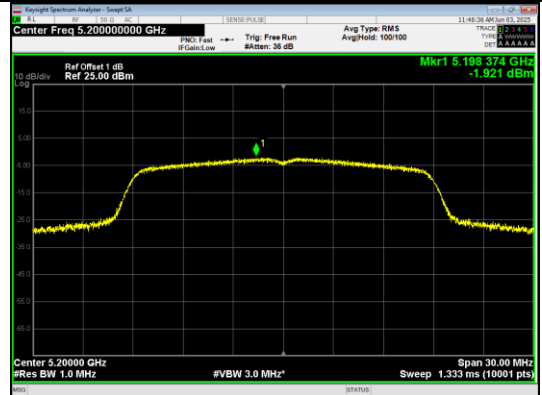
IEEE 802.11n_Channel 38_40MHz_Antenna 0



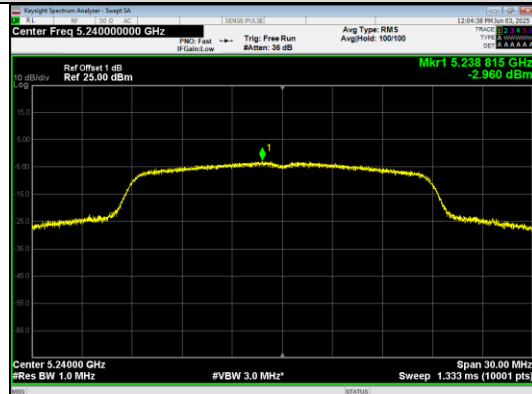
IEEE 802.11n_Channel 46_40MHz_Antenna 0



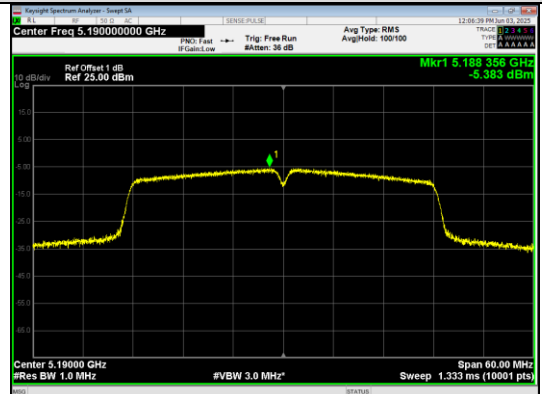
IEEE 802.11ac_Channel 36_20MHz_Antenna 0



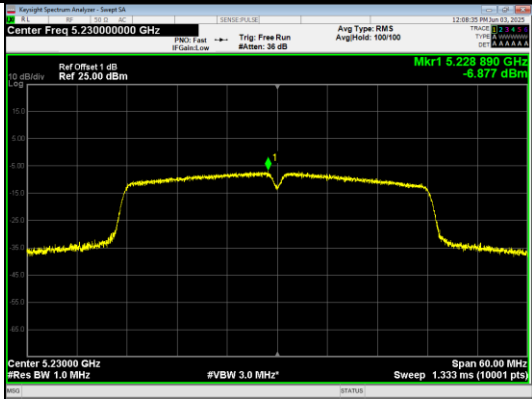
IEEE 802.11ac_Channel 40_20MHz_Antenna 0



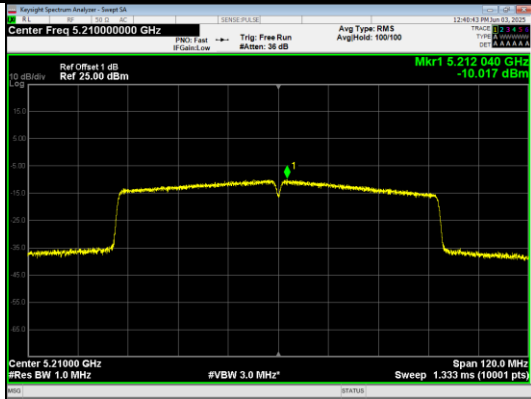
IEEE 802.11ac_Channel 48_20MHz_Antenna 0



IEEE 802.11ac_Channel 38_40MHz_Antenna 0



IEEE 802.11ac_Channel 46_40MHz_Antenna 0



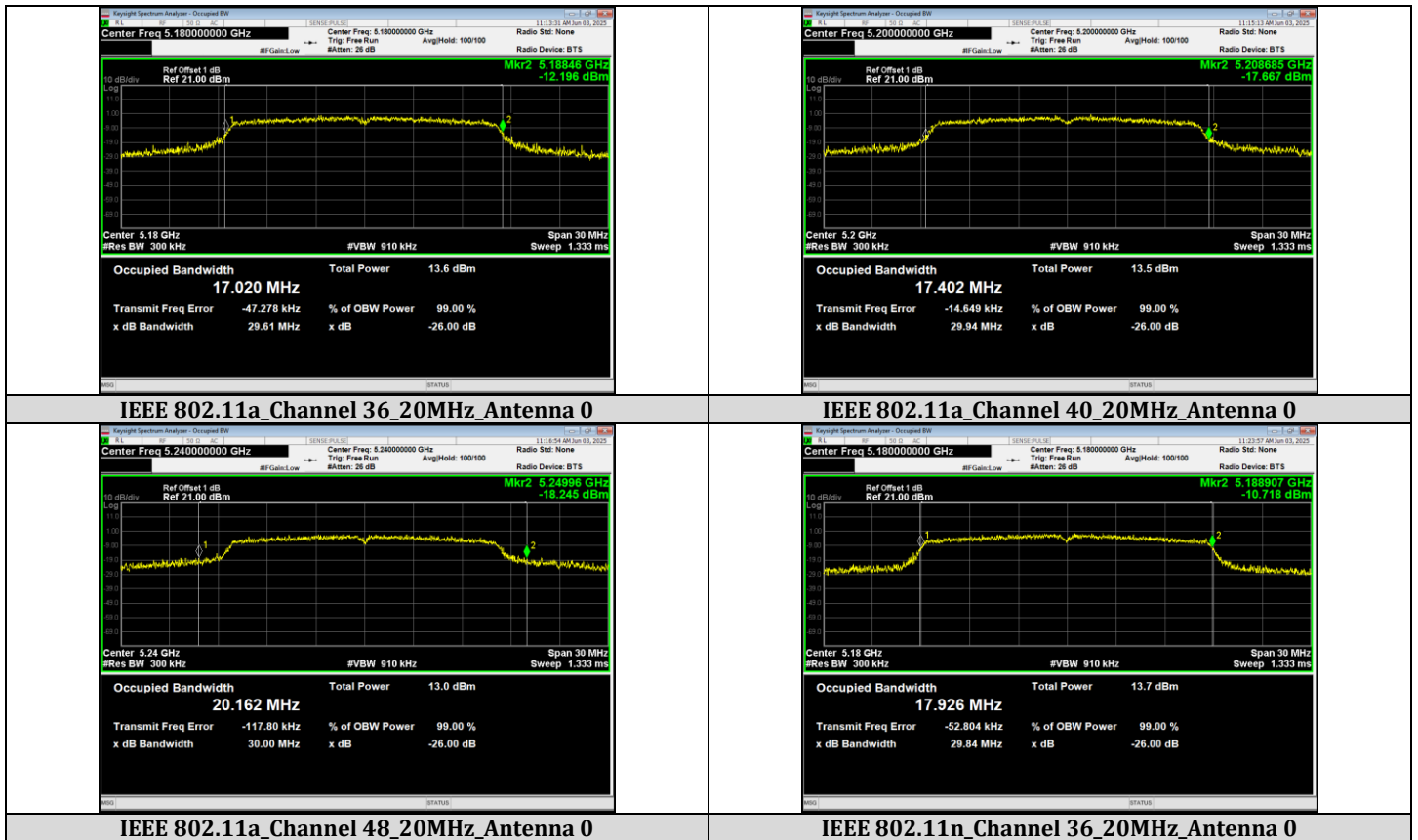
IEEE 802.11ac_Channel 42_80MHz_Antenna 0

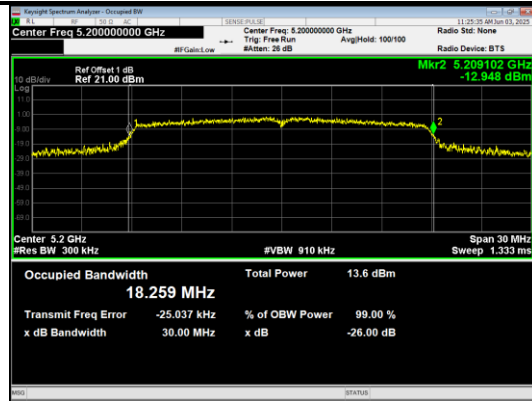
99% Bandwidth

Test Result

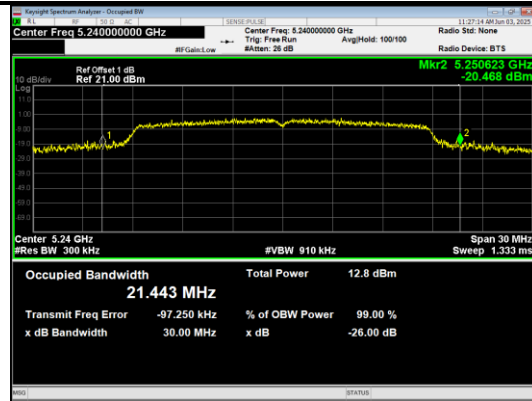
Mode	Channel	Ant.	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11a	36	0	5180	17.020
	40		5200	17.402
	48		5240	20.162
IEEE 802.11n_20	36		5180	17.926
	40		5200	18.259
	48		5240	21.443
IEEE 802.11n_40	38		5190	36.381
	46		5230	36.838
IEEE 802.11ac_20	36		5180	18.016
	40		5200	18.289
	48		5240	20.968
IEEE 802.11ac_40	38		5190	36.391
	46		5230	36.345
IEEE 802.11ac_80	42		5210	75.692

Test Graphs

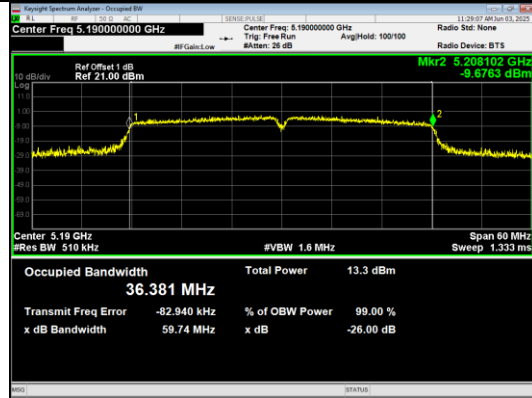




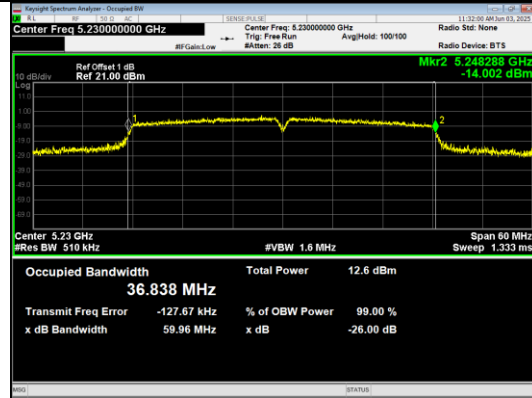
IEEE 802.11n_Channel 40_20MHz_Antenna 0



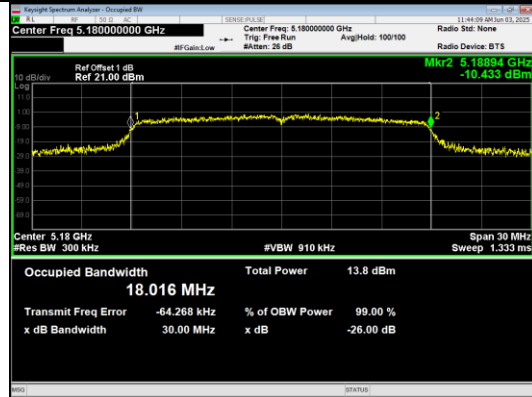
IEEE 802.11n_Channel 48_20MHz_Antenna 0



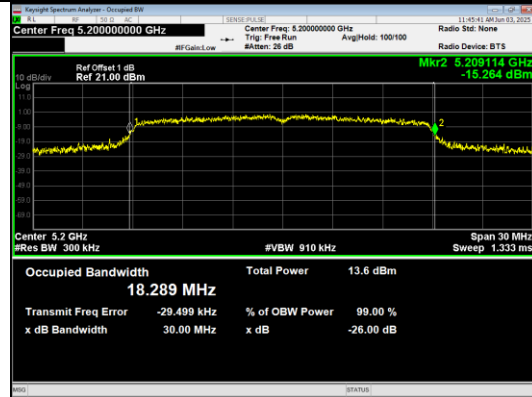
IEEE 802.11n_Channel 38_40MHz_Antenna 0



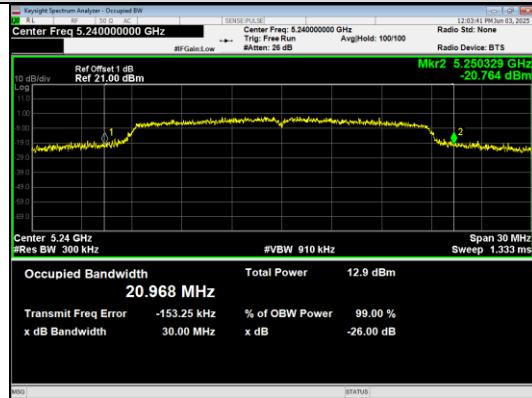
IEEE 802.11n_Channel 46_40MHz_Antenna 0



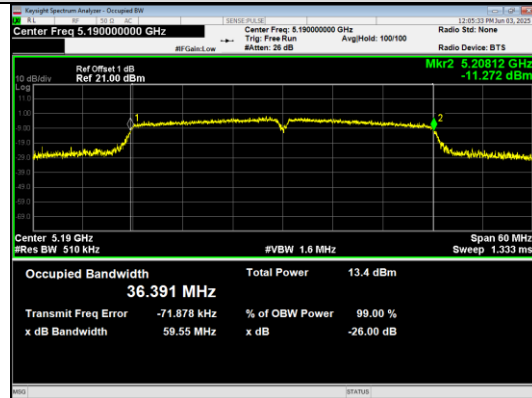
IEEE 802.11ac_Channel 36_20MHz_Antenna 0



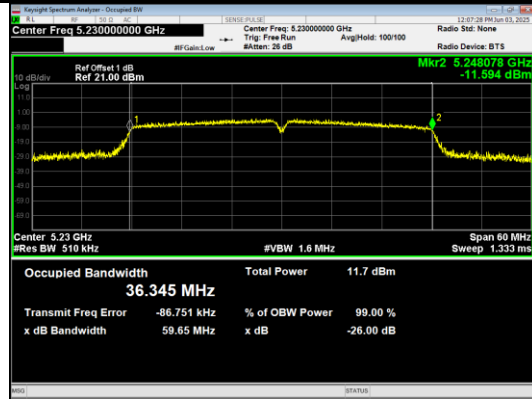
IEEE 802.11ac_Channel 40_20MHz_Antenna 0



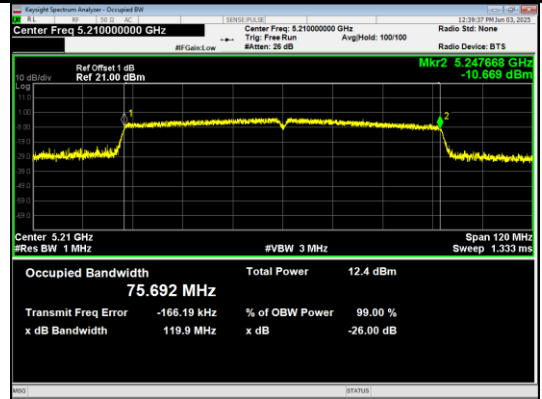
IEEE 802.11ac_Channel 48_20MHz_Antenna 0



IEEE 802.11ac_Channel 38_40MHz_Antenna 0



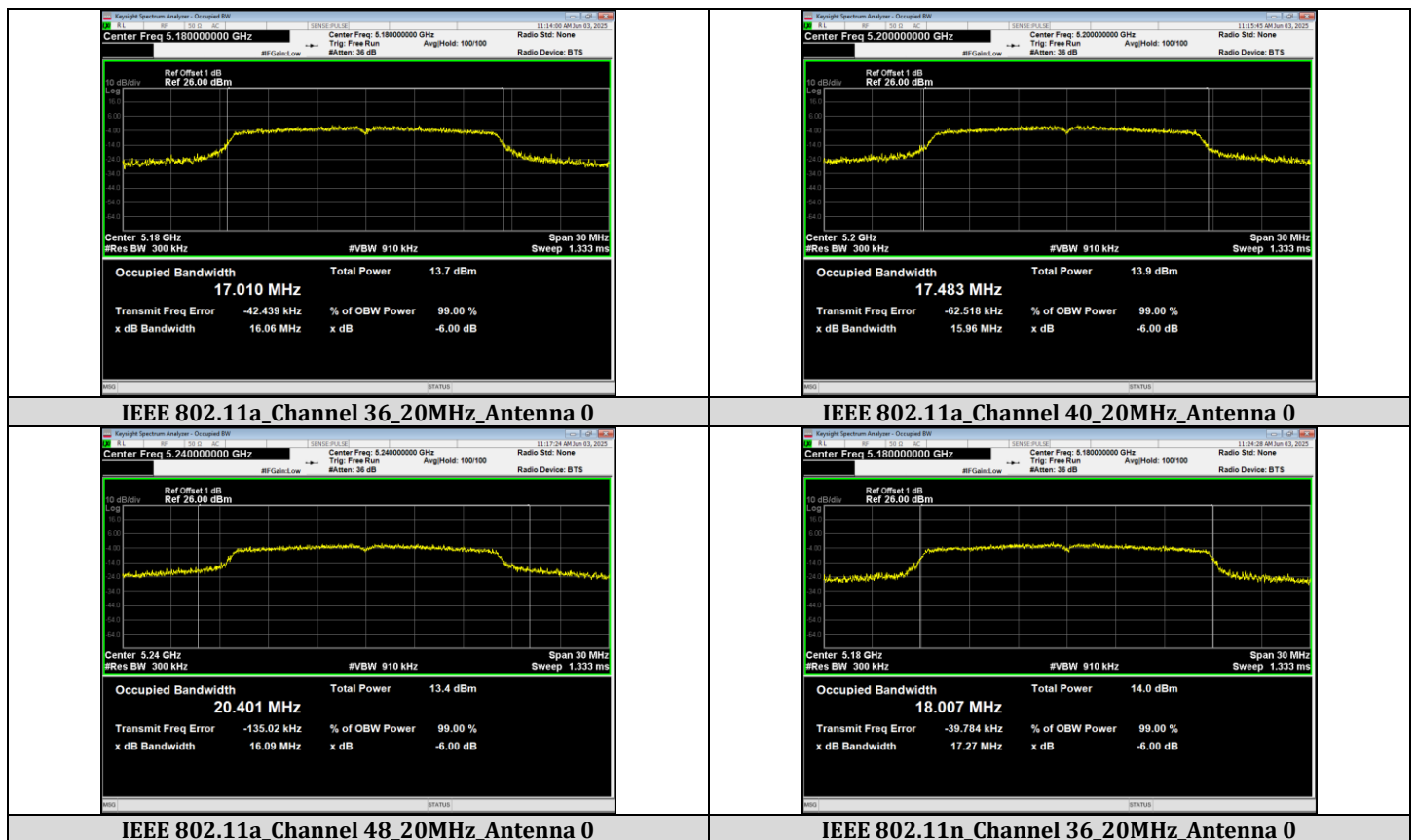
IEEE 802.11ac_Channel 46_40MHz_Antenna 0

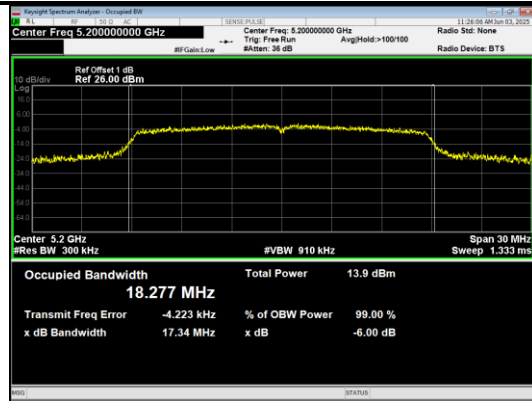


IEEE 802.11ac_Channel 42_80MHz_Antenna 0

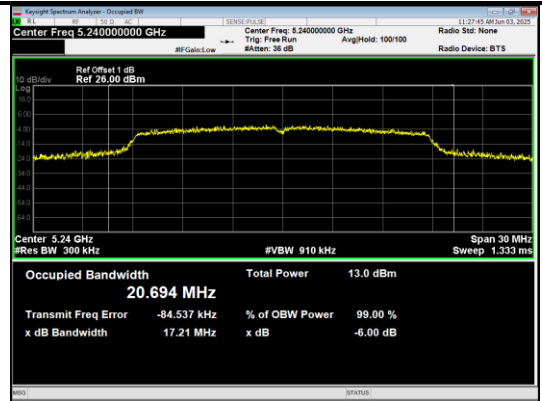
**6dB Bandwidth****Test Result**

Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11a	36	0	5180	16.06	≥0.5	PASS
	40		5200	15.96		PASS
	48		5240	16.09		PASS
IEEE 802.11n_20	36		5180	17.27		PASS
	40		5200	17.34		PASS
	48		5240	17.21		PASS
IEEE 802.11n_40	38		5190	35.95		PASS
	46		5230	35.62		PASS
IEEE 802.11ac_20	36		5180	17.11		PASS
	40		5200	17.25		PASS
	48		5240	17.36		PASS
IEEE 802.11ac_40	38		5190	35.78		PASS
	46		5230	35.81		PASS
IEEE 802.11ac_80	42		5210	75.17		PASS

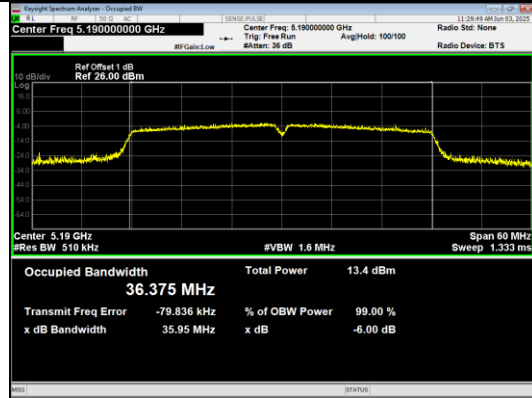
Test Graphs



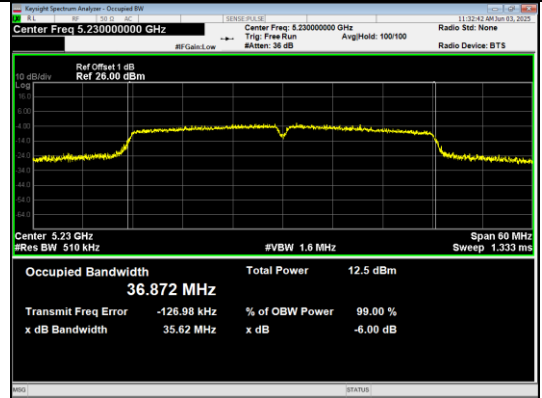
IEEE 802.11n_Channel 40_20MHz_Antenna 0



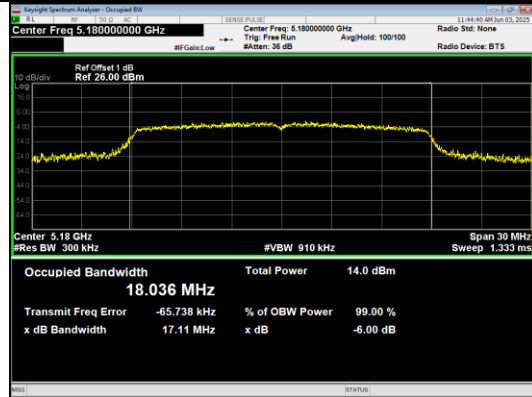
IEEE 802.11n_Channel 48_20MHz_Antenna 0



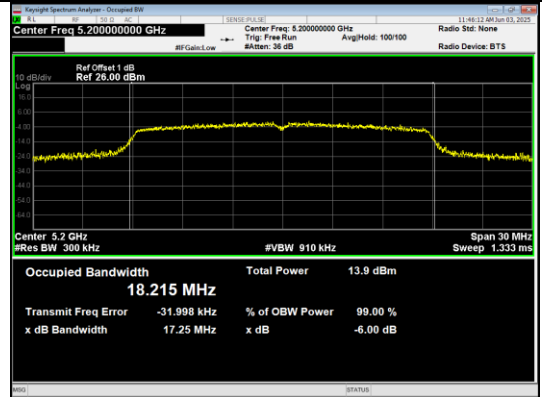
IEEE 802.11n_Channel 38_40MHz_Antenna 0



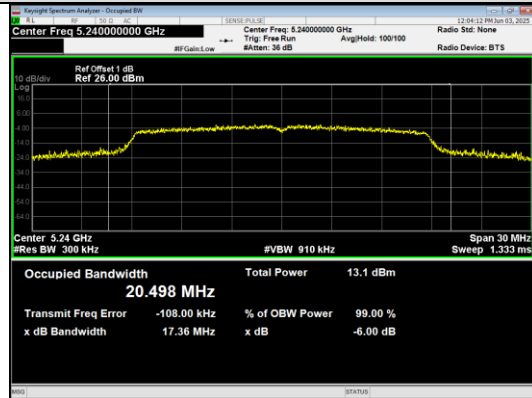
IEEE 802.11n_Channel 46_40MHz_Antenna 0



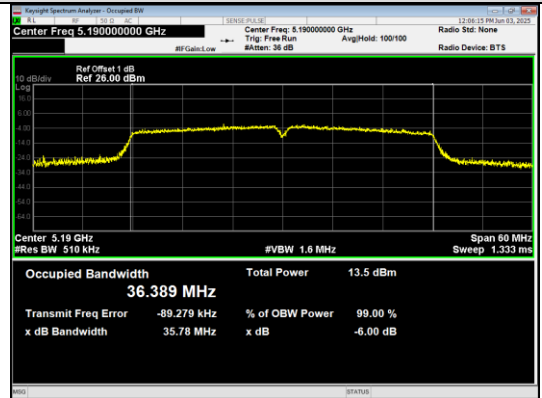
IEEE 802.11ac_Channel 36_20MHz_Antenna 0



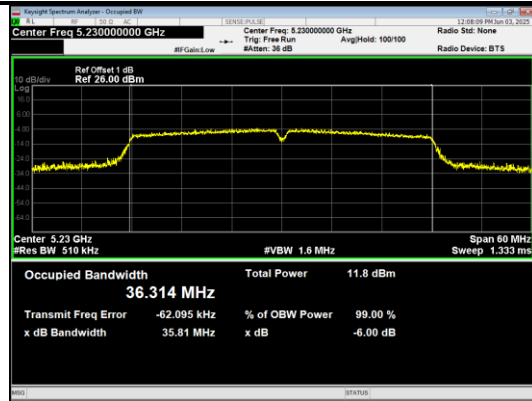
IEEE 802.11ac_Channel 40_20MHz_Antenna 0



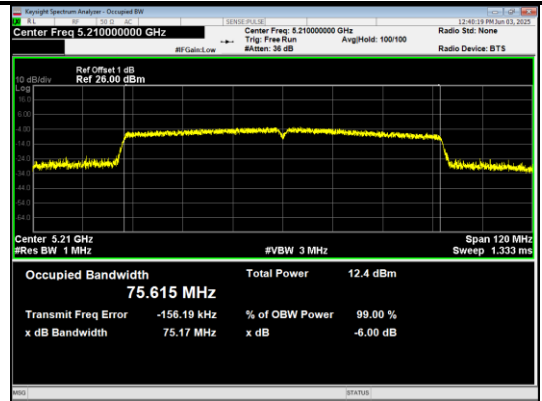
IEEE 802.11ac_Channel 48_20MHz_Antenna 0



IEEE 802.11ac_Channel 38_40MHz_Antenna 0



IEEE 802.11ac_Channel 46_40MHz_Antenna 0



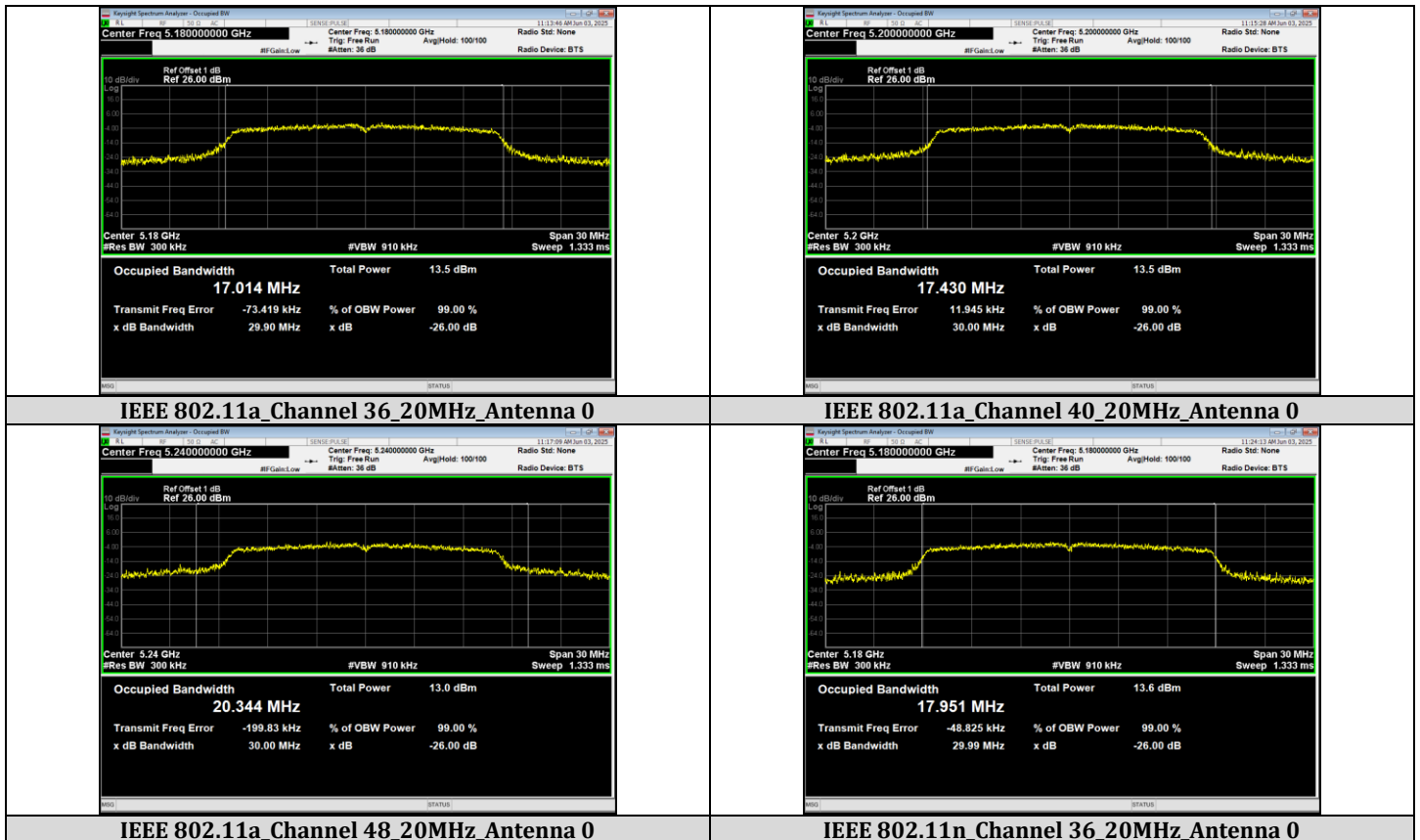
IEEE 802.11ac_Channel 42_80MHz_Antenna 0

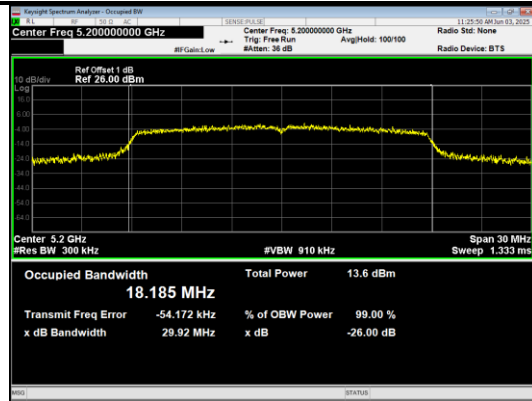
26dB Bandwidth

Test Result

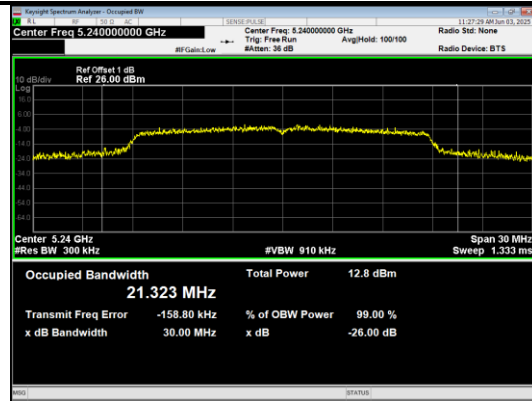
Mode	Channel	Ant.	Center Frequency (MHz)	26 dB Bandwidth (MHz)	RBW/EBW
IEEE 802.11a	36	0	5180	29.90	1.0
	40		5200	30.00	1.0
	48		5240	30.00	1.0
IEEE 802.11n_20	36		5180	29.99	1.0
	40		5200	29.92	1.0
	48		5240	30.00	1.0
IEEE 802.11n_40	38		5190	59.83	1.03
	46		5230	59.98	1.03
IEEE 802.11ac_20	36		5180	29.97	1.0
	40		5200	30.00	1.0
	48		5240	30.00	1.0
IEEE 802.11ac_40	38		5190	59.90	1.02
	46		5230	58.62	1.02
IEEE 802.11ac_80	42		5210	118.30	1.02

Test Graphs

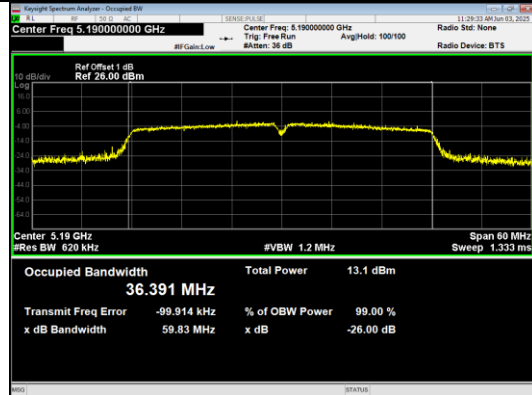




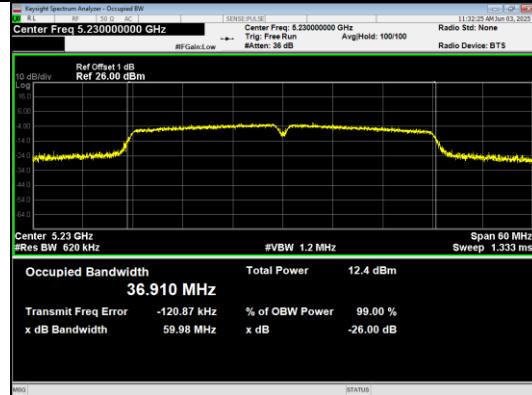
IEEE 802.11n_Channel 40_20MHz_Antenna 0



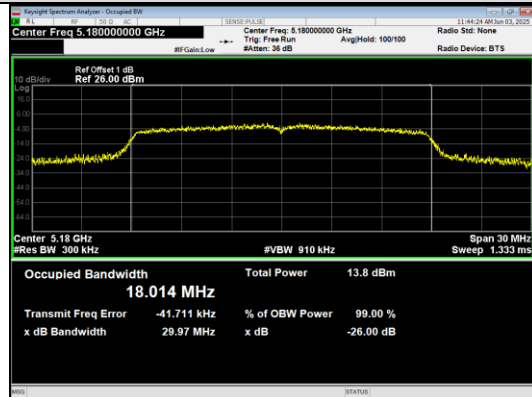
IEEE 802.11n_Channel 48_20MHz_Antenna 0



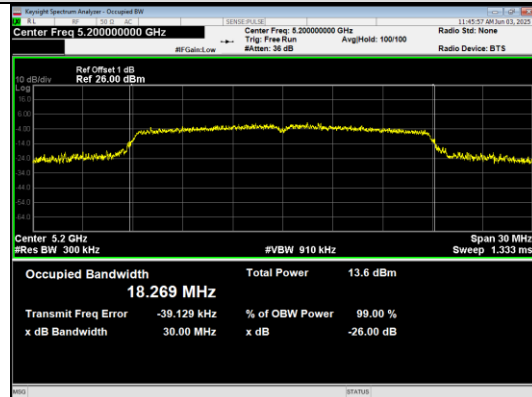
IEEE 802.11n_Channel 38_40MHz_Antenna 0



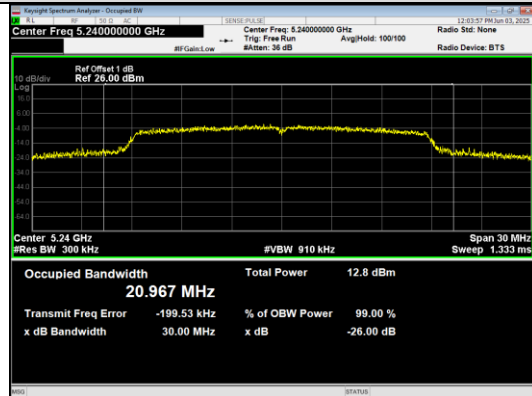
IEEE 802.11n_Channel 46_40MHz_Antenna 0



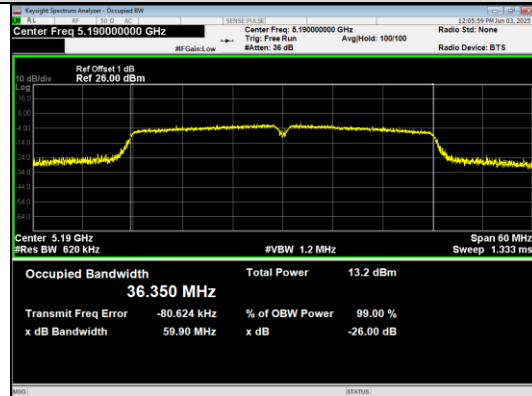
IEEE 802.11ac_Channel 36_20MHz_Antenna 0



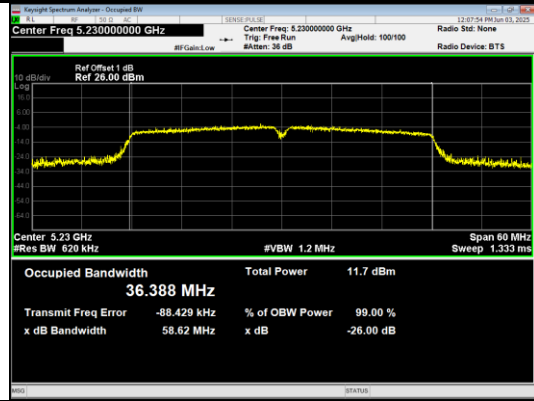
IEEE 802.11ac_Channel 40_20MHz_Antenna 0



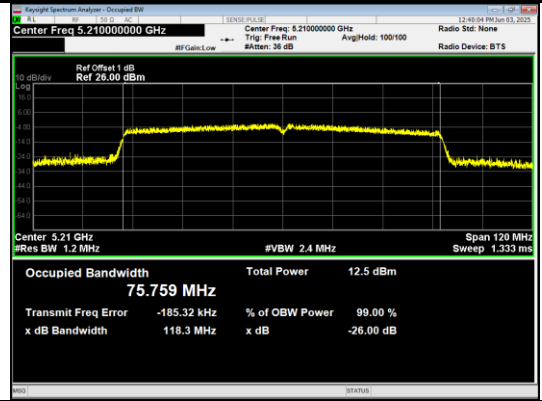
IEEE 802.11ac_Channel 48_20MHz_Antenna 0



IEEE 802.11ac_Channel 38_40MHz_Antenna 0



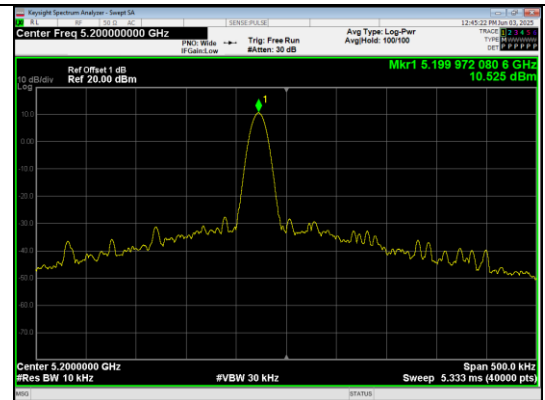
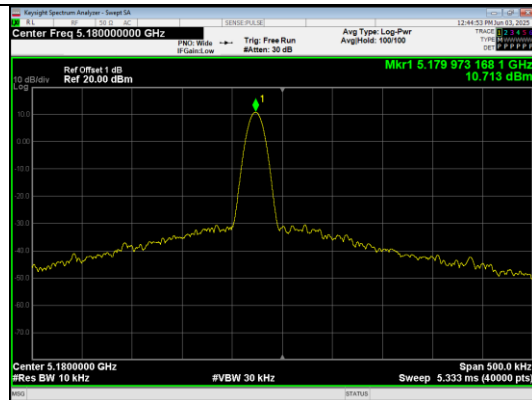
IEEE 802.11ac_Channel 46_40MHz_Antenna 0



IEEE 802.11ac_Channel 42_80MHz_Antenna 0

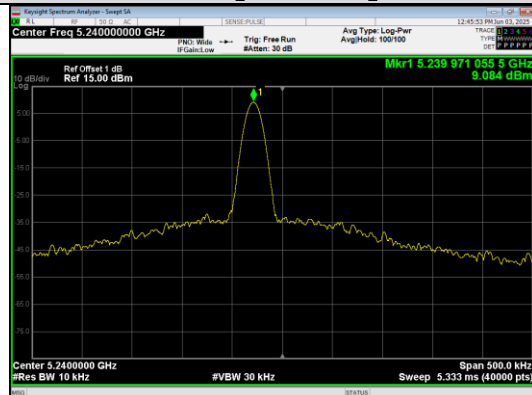
**Frequency Stability****Test Result**

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	5179.973168	-5.18	Within authorized band	PASS
		40		5200.0	5199.972081	-5.37		PASS
		48		5240.0	5239.971056	-5.52		PASS
	IEEE 802.11n_20	36		5180.0	5179.971381	-5.52		PASS
		40		5200.0	5199.970818	-5.61		PASS
		48		5240.0	5239.970568	-5.62		PASS
	IEEE 802.11n_40	38		5190.0	5189.971456	-5.5		PASS
		46		5230.0	5229.970481	-5.64		PASS
	IEEE 802.11ac_20	36		5180.0	5179.971131	-5.57		PASS
		40		5200.0	5199.972581	-5.27		PASS
		48		5240.0	5239.970368	-5.65		PASS
	IEEE 802.11ac_40	38		5190.0	5189.970843	-5.62		PASS
		46		5230.0	5229.969918	-5.75		PASS
	IEEE 802.11ac_80	42		5210.0	5209.970156	-5.73		PASS

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

NT/NV_Antenna 0
IEEE 802.11a_Channel 36_20MHz

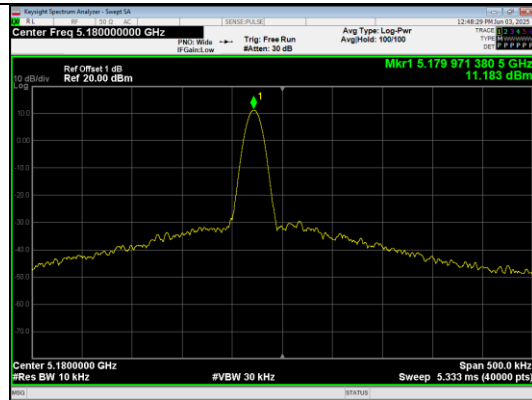
NT/NV_Antenna 0
IEEE 802.11a_Channel 40_20MHz



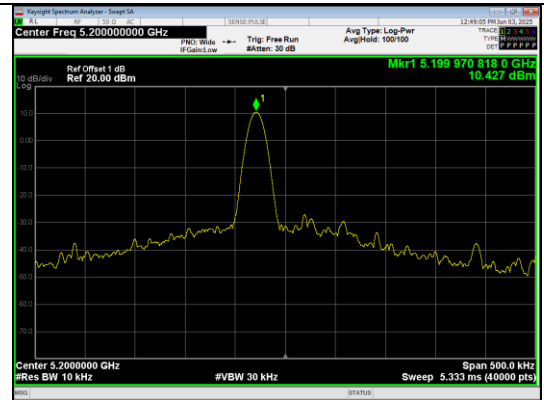
NT/NV_Antenna 0
IEEE 802.11a_Channel 48_20MHz



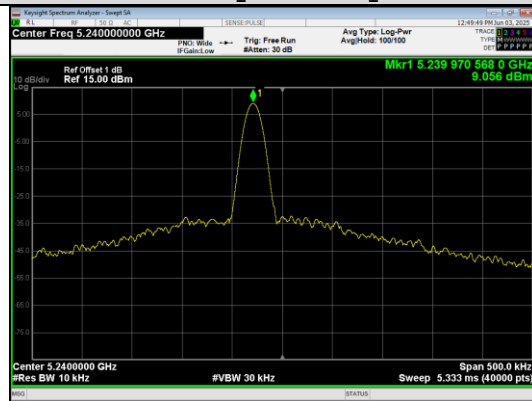
IEEE 802.11n_20



NT/NV_Antenna 0
IEEE 802.11n_Channel 36_20MHz

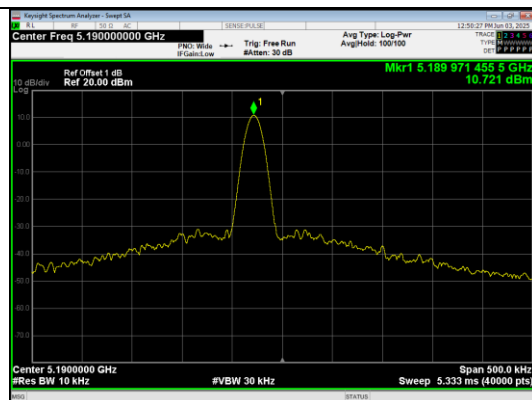


NT/NV_Antenna 0
IEEE 802.11n_Channel 40_20MHz

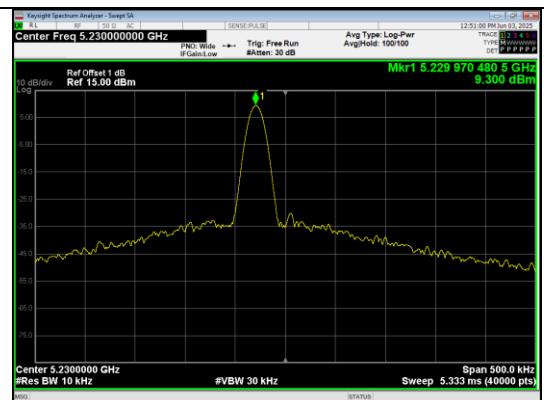


NT/NV_Antenna 0
IEEE 802.11n_Channel 48_20MHz

IEEE 802.11n_40

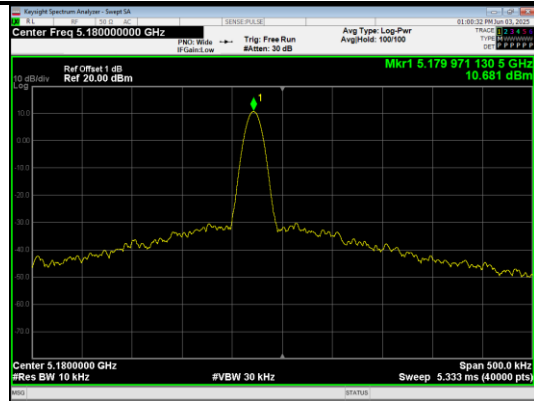


NT/NV_Antenna 0
IEEE 802.11n_Channel 38_40MHz

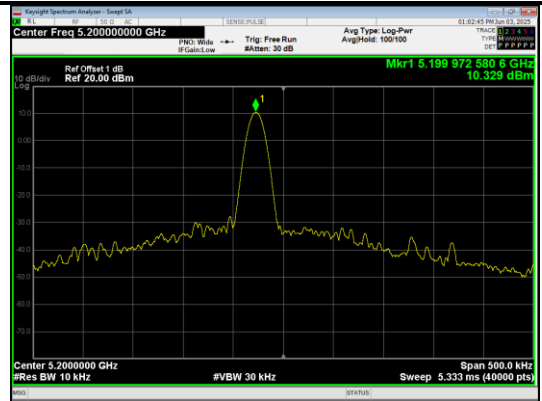


NT/NV_Antenna 0
IEEE 802.11n_Channel 46_40MHz

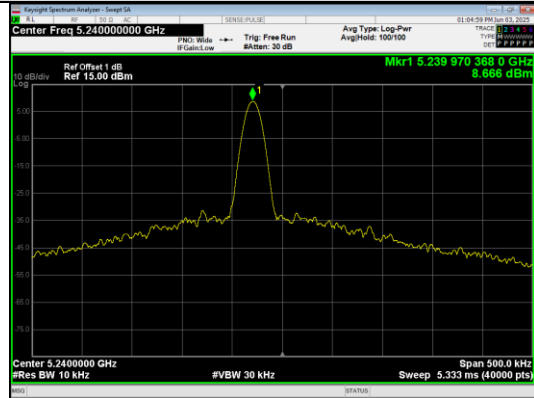
IEEE 802.11ac_20



NT/NV_Antenna 0
IEEE 802.11ac_Channel 36_20MHz

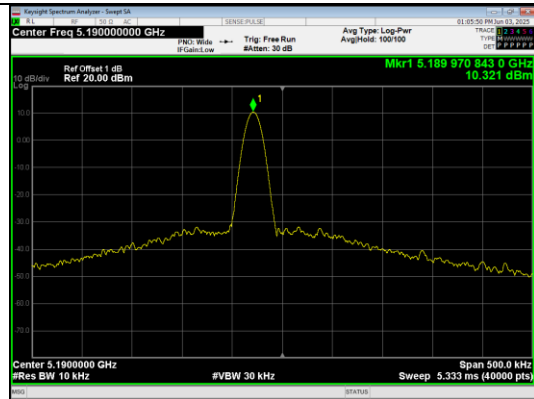


NT/NV_Antenna 0
IEEE 802.11ac_Channel 40_20MHz

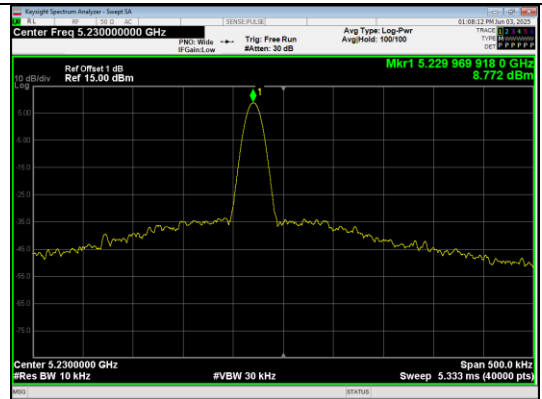


NT/NV_Antenna 0
IEEE 802.11ac_Channel 48_20MHz

IEEE 802.11ac_40

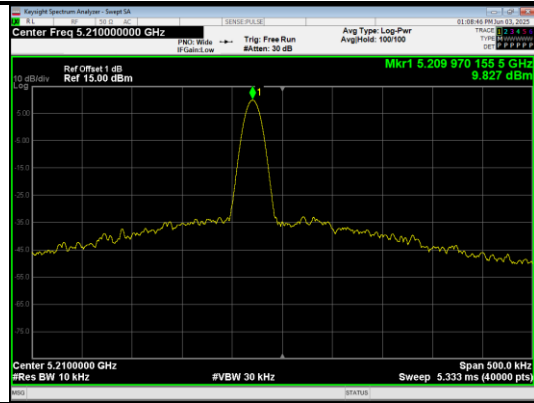


NT/NV_Antenna 0
IEEE 802.11ac_Channel 38_40MHz



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 *****