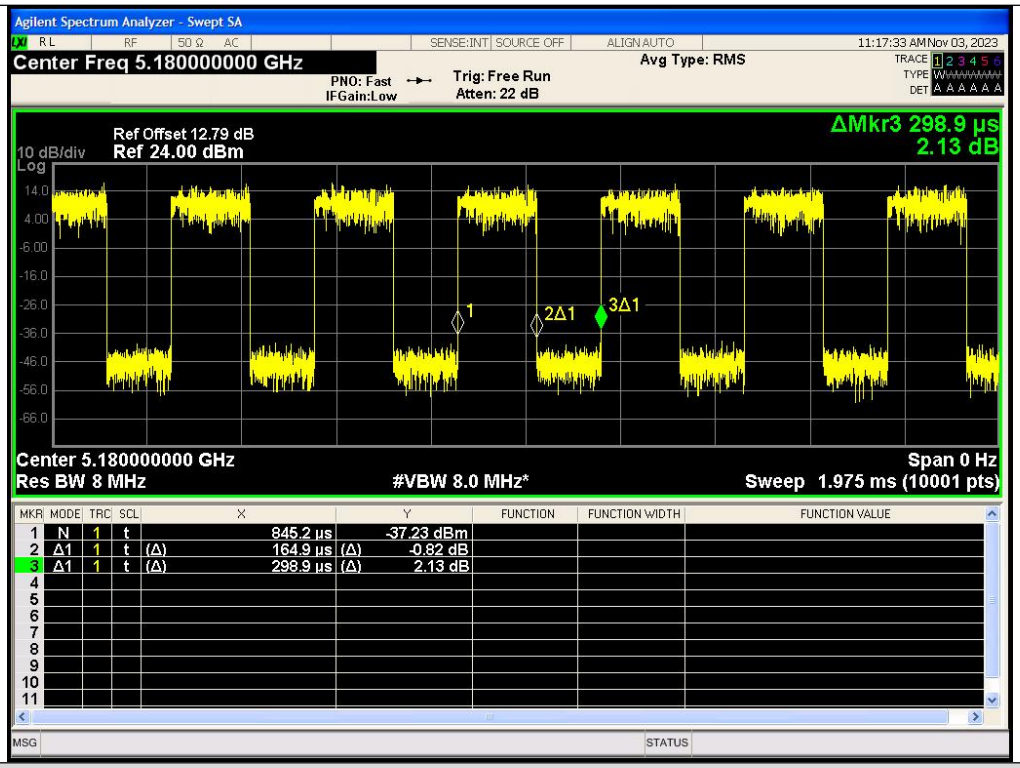
Antenna 1+2:

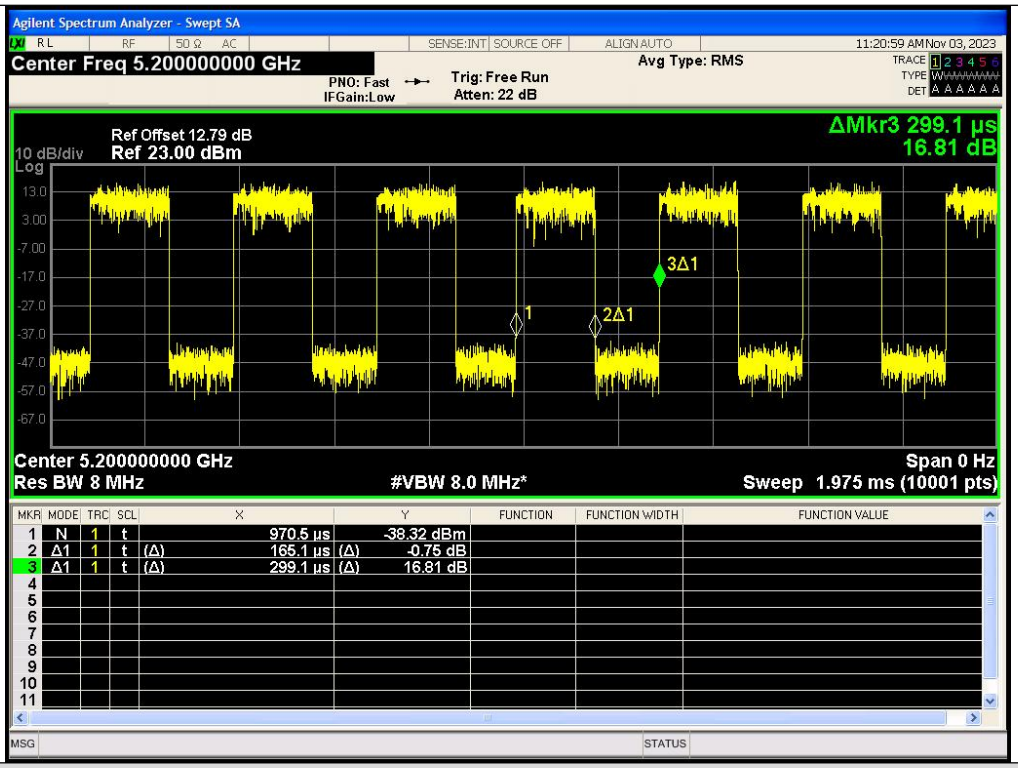
Test Result

Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
IEEE 802.11n_20	MCS 7	36	1+2	0.165	0.299	55.19	0.5519	2.5814
		40		0.165	0.299	55.22	0.5522	2.579
		48		0.165	0.299	55.19	0.5519	2.5814
IEEE 802.11n_40		38		0.101	0.298	33.93	0.3393	4.6942
		46		0.101	0.297	33.93	0.3393	4.6942
IEEE 802.11ac_20	MCS 9	36		0.171	0.294	58.17	0.5817	2.353
		40		0.172	0.295	58.31	0.5831	2.3426
		48		0.172	0.304	56.58	0.5658	2.4734
IEEE 802.11ac_40		38		0.109	0.294	37.07	0.3707	4.3098
		46		0.108	0.302	35.76	0.3576	4.466
IEEE 802.11ac_80		42		0.076	0.297	25.59	0.2559	5.9193

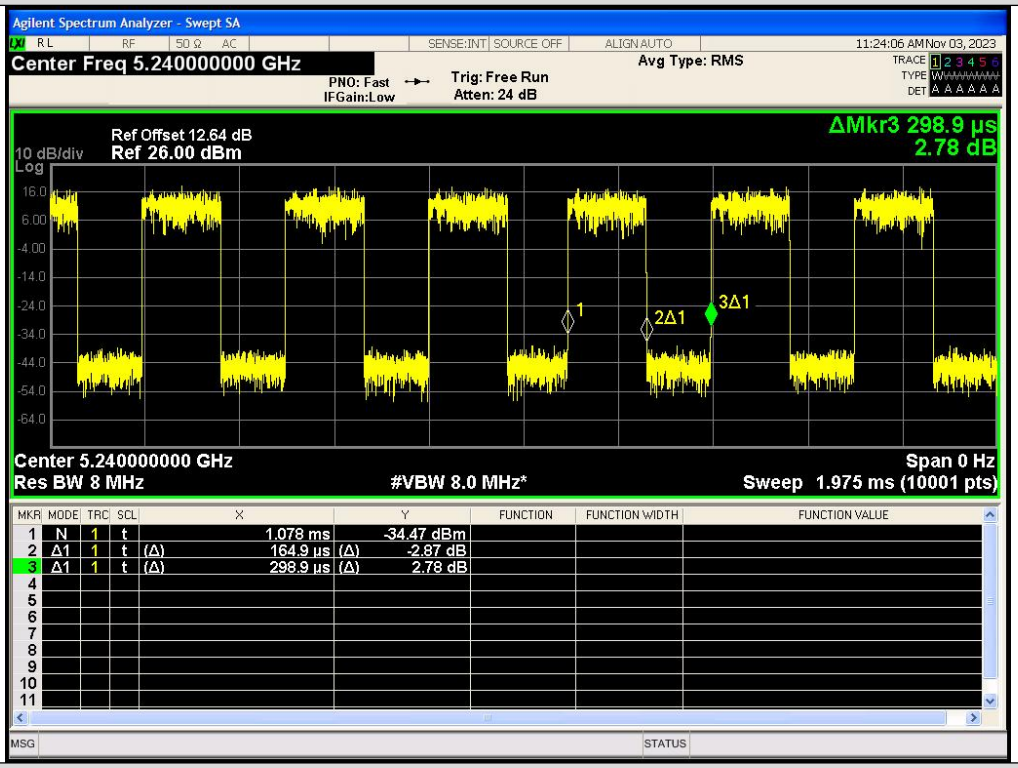
Test Graphs



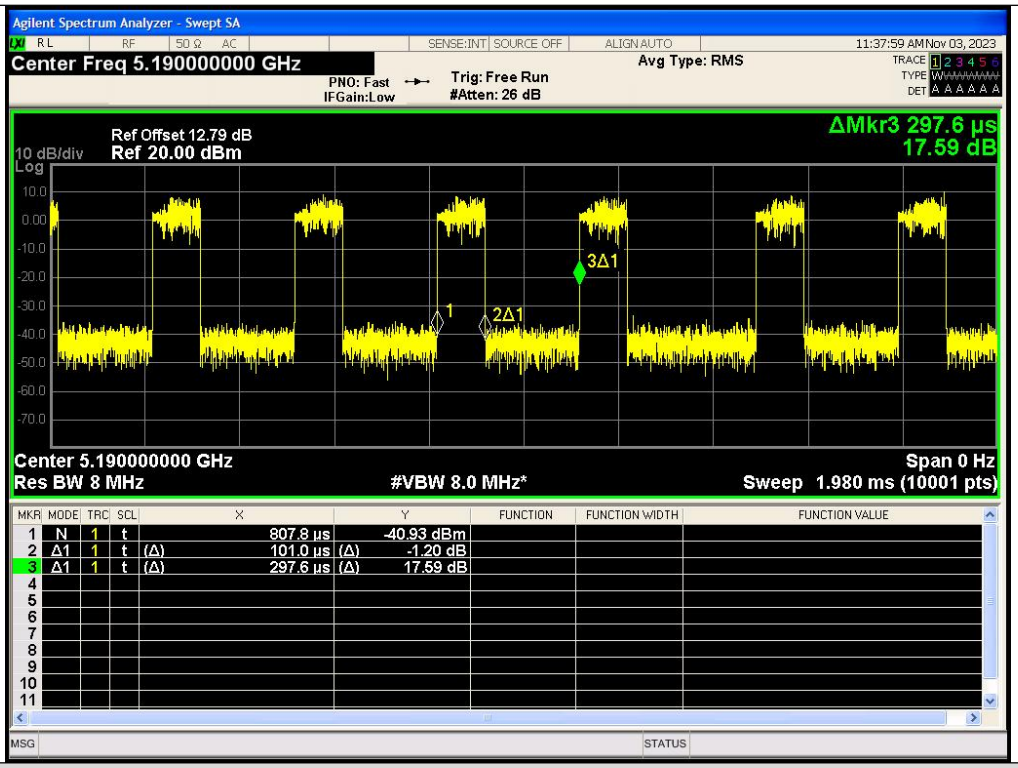
IEEE 802.11n_20MHz_Channel 36



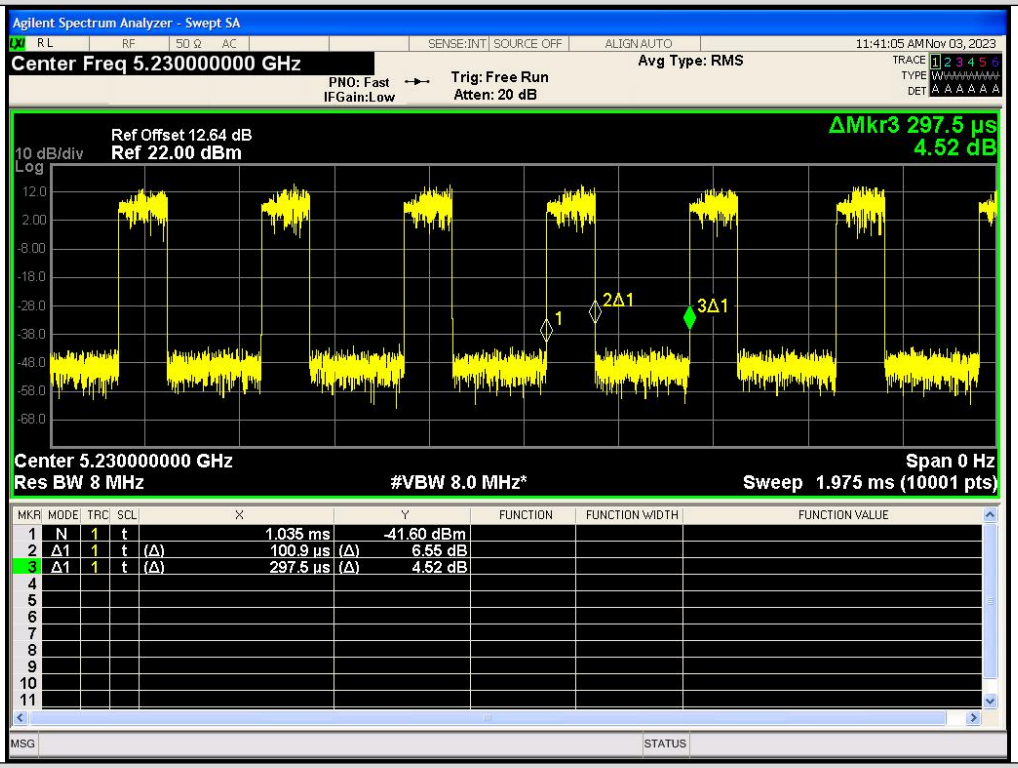
IEEE 802.11n_20MHz_Channel 40



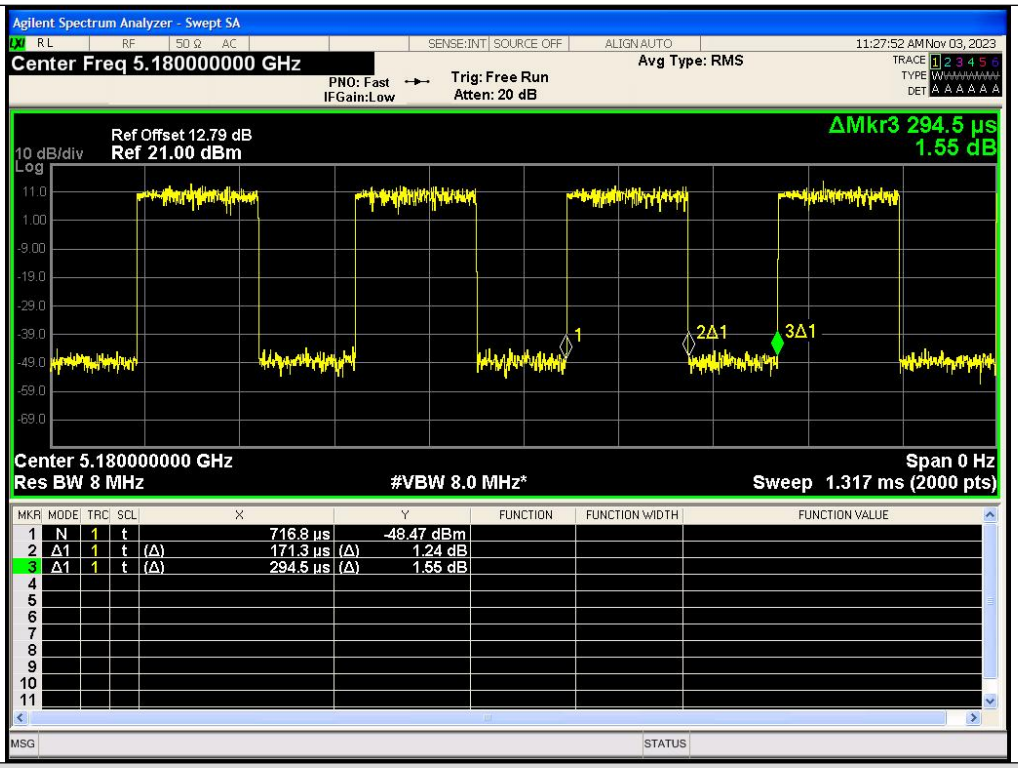
IEEE 802.11n_20MHz_Channel 48



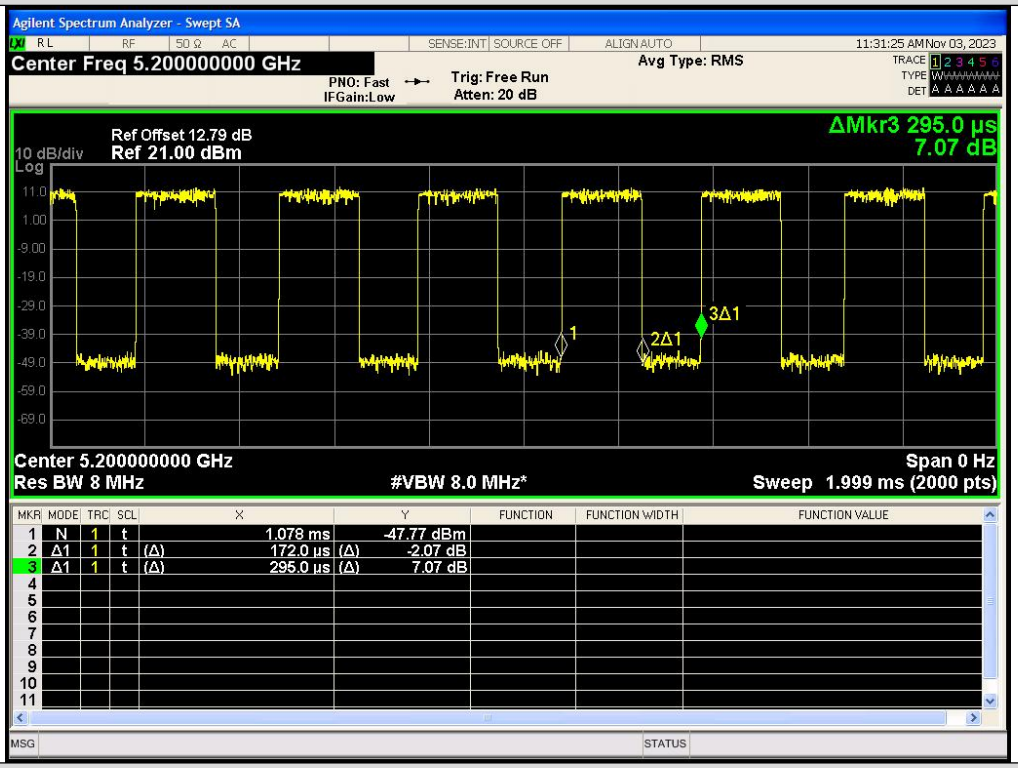
IEEE 802.11n_40MHz_Channel 38



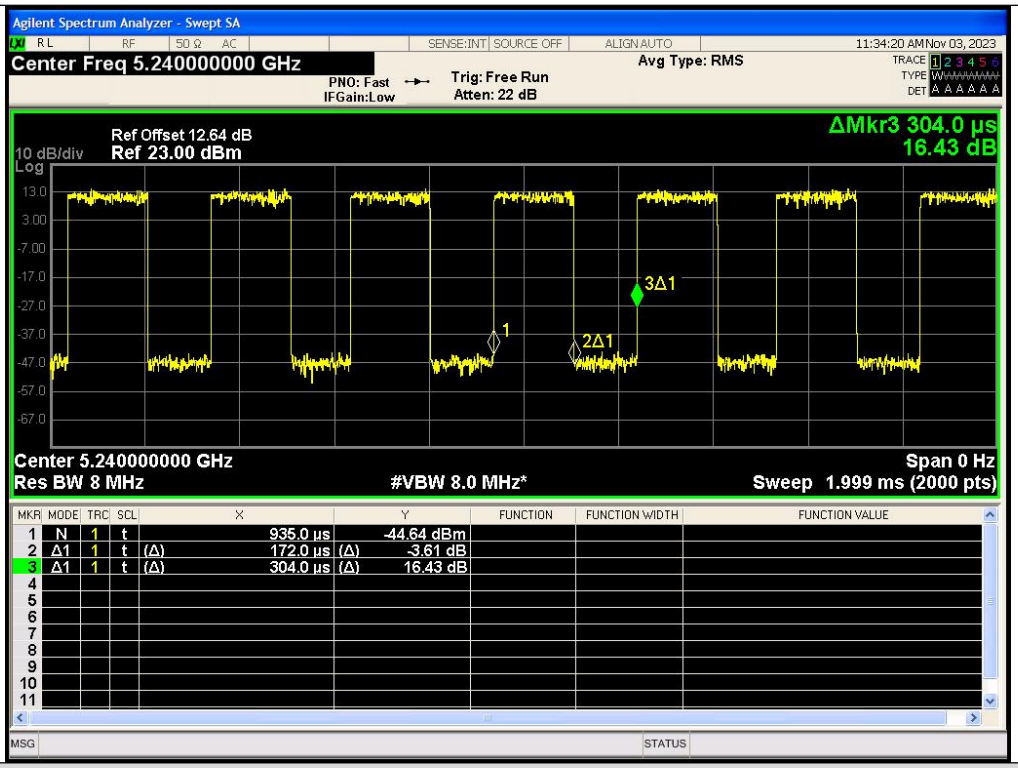
IEEE 802.11n_40MHz_Channel 46



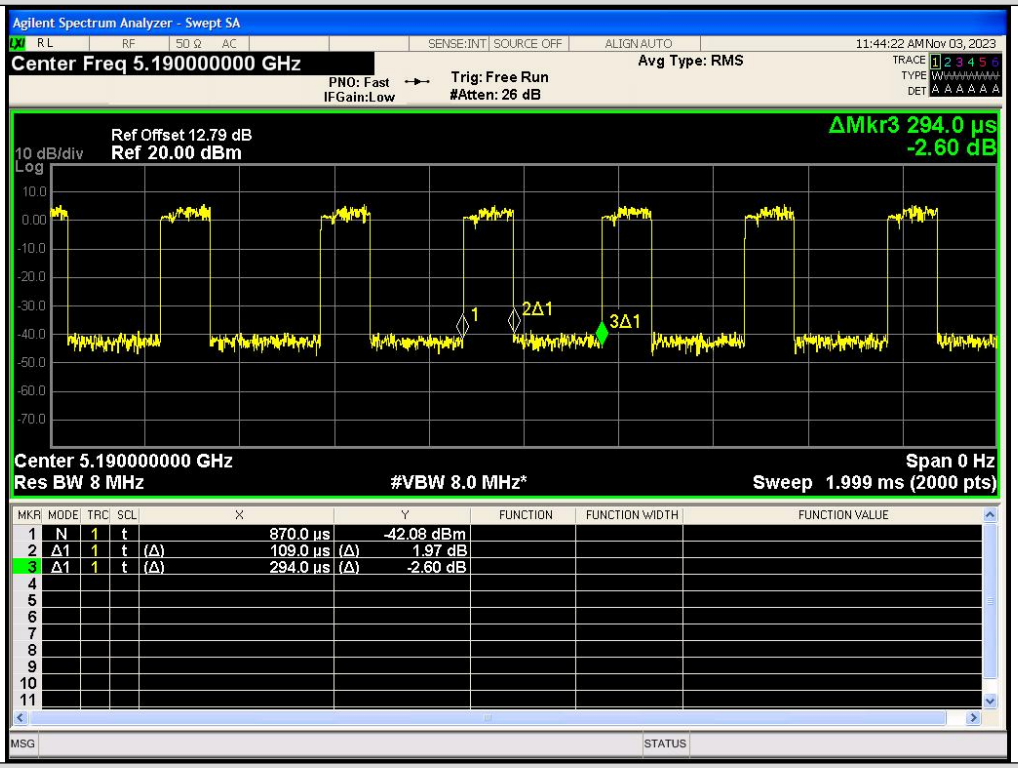
IEEE 802.11ac_20MHz_Channel 36



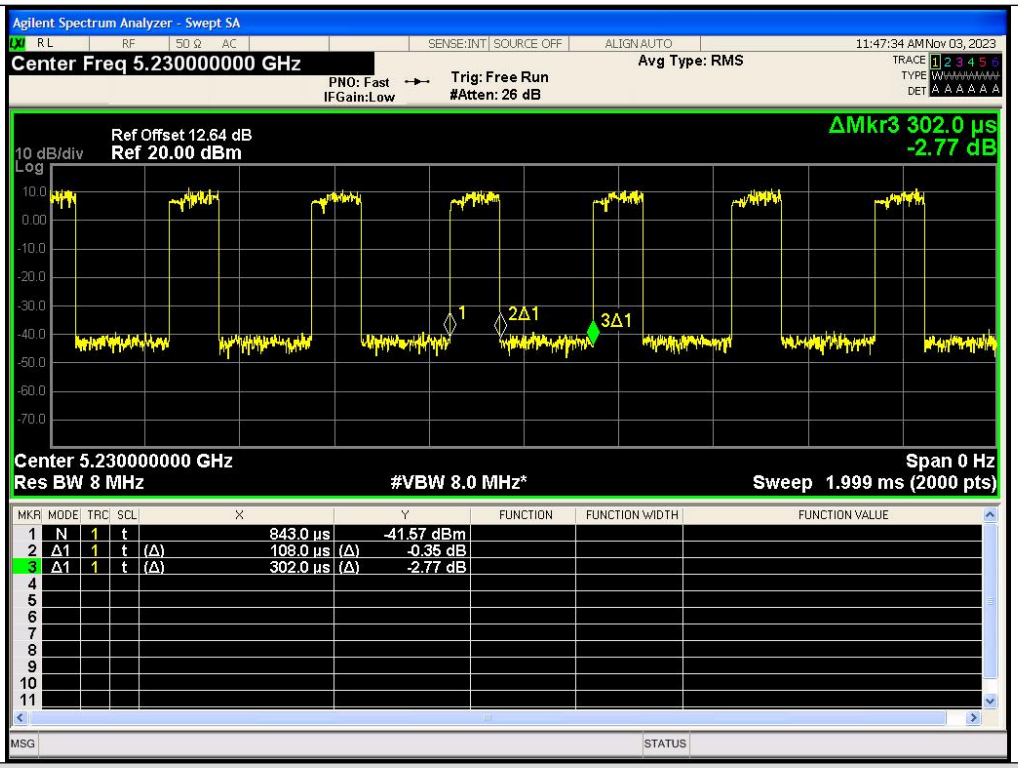
IEEE 802.11ac_20MHz_Channel 40



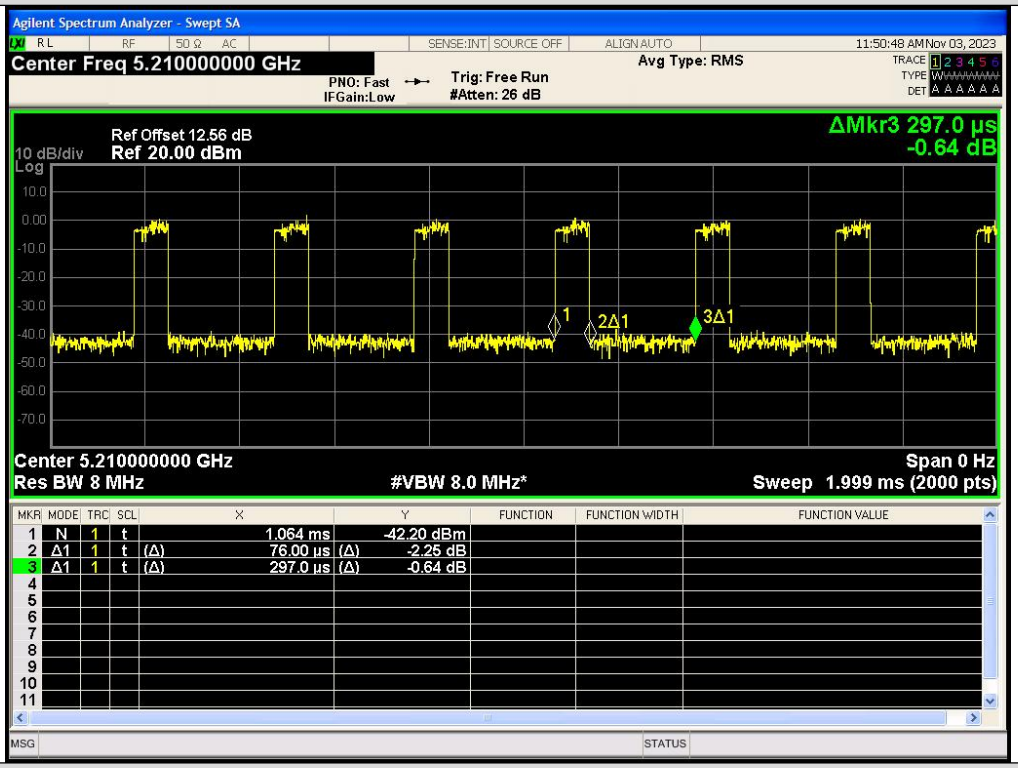
IEEE 802.11ac_20MHz_Channel 48



IEEE 802.11ac_40MHz_Channel 38



IEEE 802.11ac_40MHz_Channel 46



IEEE 802.11ac_80MHz_Channel 42

APPENDIX VIII.Peak Power Spectral Density

Antenna 1:

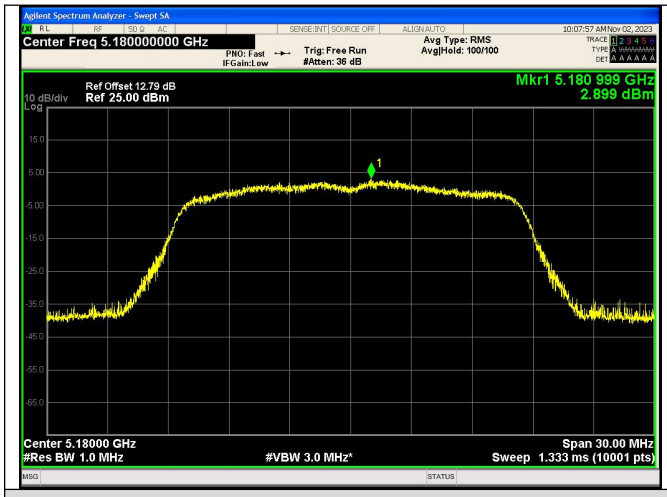
Test Result

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	2.899	5.0301	11	PASS
	40	2.988	5.2494		PASS
	48	3.569	5.7001		PASS
IEEE 802.11n_20	36	2.464	5.1707		PASS
	40	2.470	5.0545		PASS
	48	3.411	5.99		PASS
IEEE 802.11n_40	38	-6.326	-1.637		PASS
	46	-1.373	3.316		PASS
IEEE 802.11ac_20	36	2.460	4.9334		PASS
	40	2.426	4.7686		PASS
	48	3.635	6.1084		PASS
IEEE 802.11ac_40	38	-7.665	-3.3306		PASS
	46	-1.704	2.6058		PASS
IEEE 802.11ac_80	42	-14.432	-7.9248		PASS

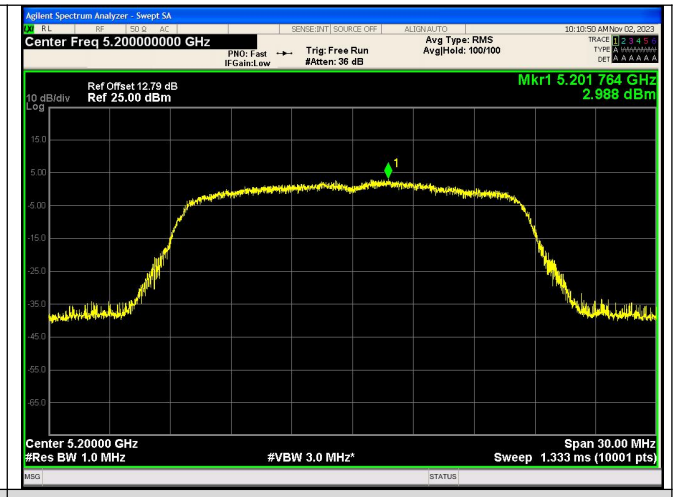
Note1:Antenna Gain: Ant1: 3.09dBi; Ant2: 3.57dBi;

Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain)

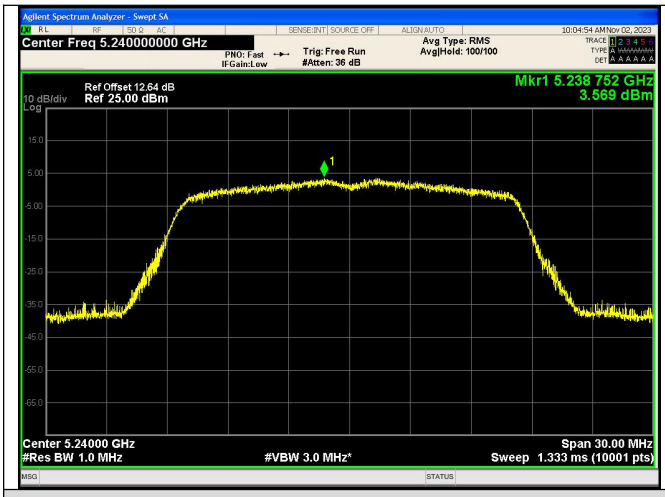
Test Graphs



IEEE 802.11a_Channel 36_20MHz_Antenna 0

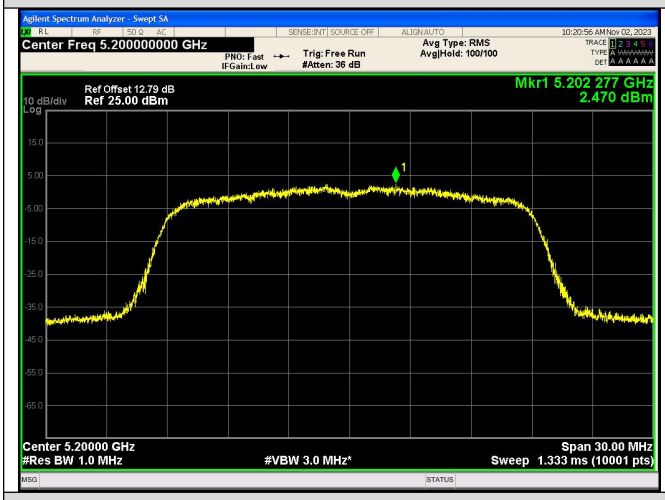


IEEE 802.11a_Channel 40_20MHz_Antenna 0

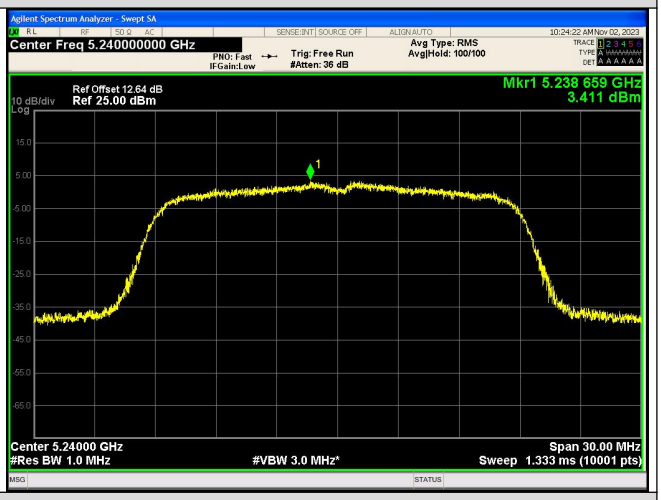


IEEE 802.11a_Channel 48_20MHz_Antenna 0

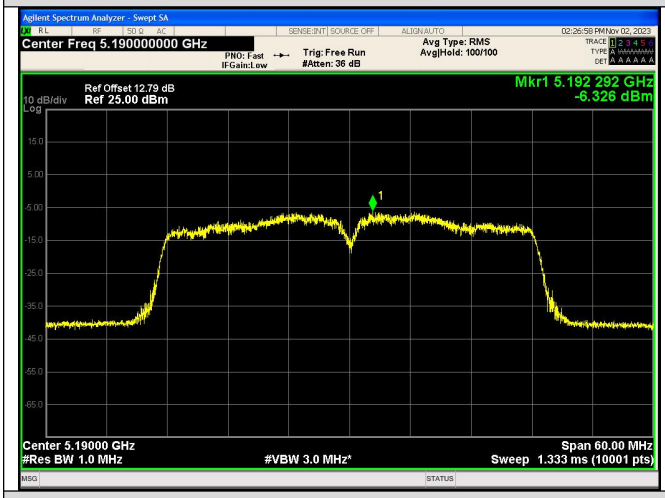
IEEE 802.11n_Channel 36_20MHz_Antenna 0



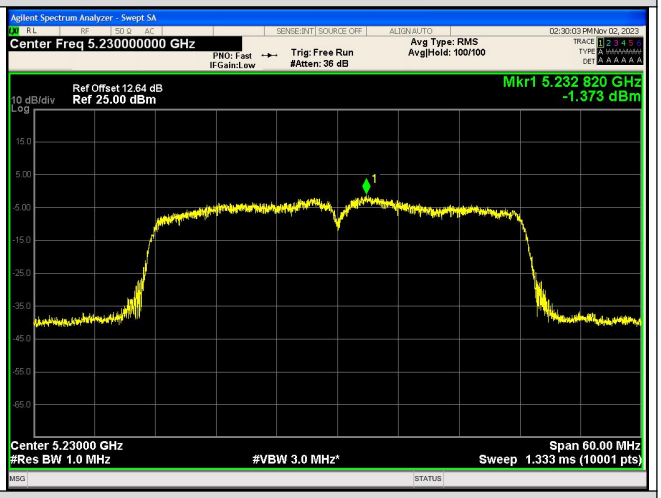
IEEE 802.11n_Channel 40_20MHz_Antenna 0



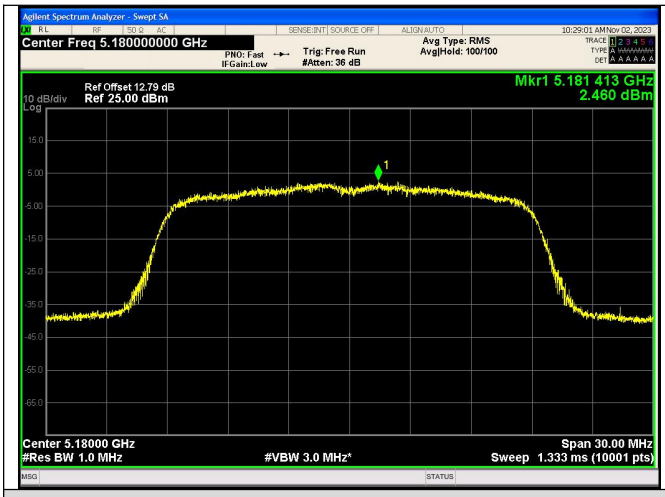
IEEE 802.11n_Channel 48_20MHz_Antenna 0



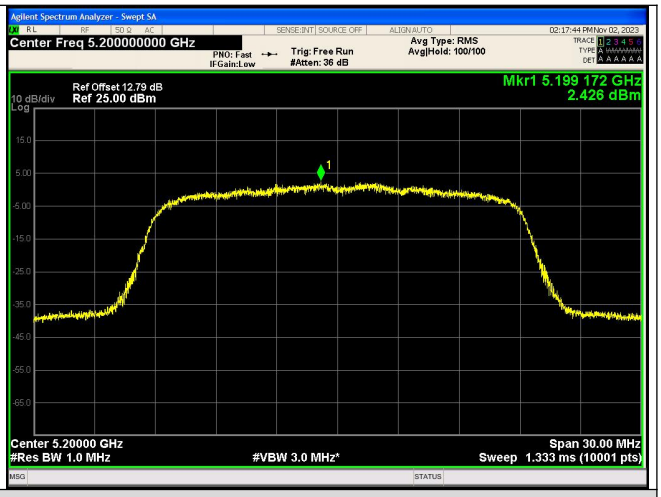
IEEE 802.11n_Channel 38_40MHz_Antenna 0



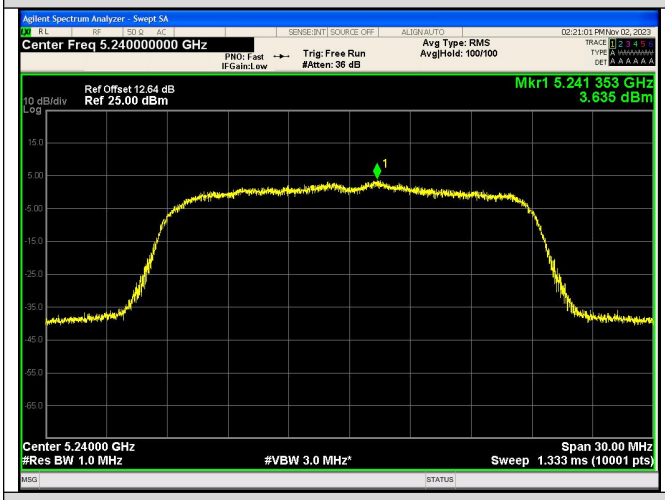
IEEE 802.11n_Channel 46_40MHz_Antenna 0



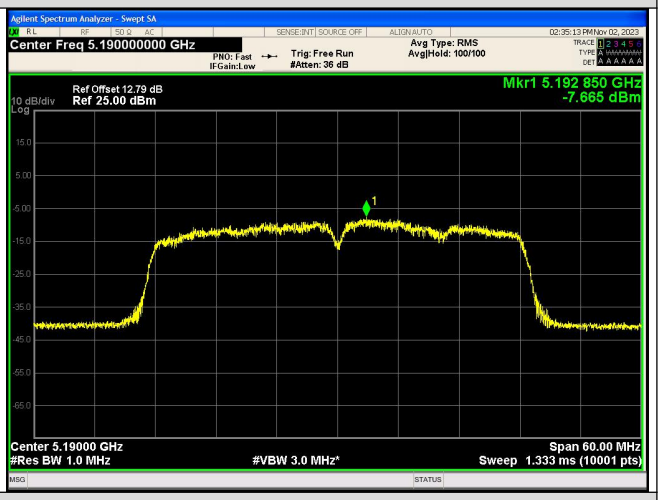
IEEE 802.11ac_Channel 36_20MHz_Antenna 0



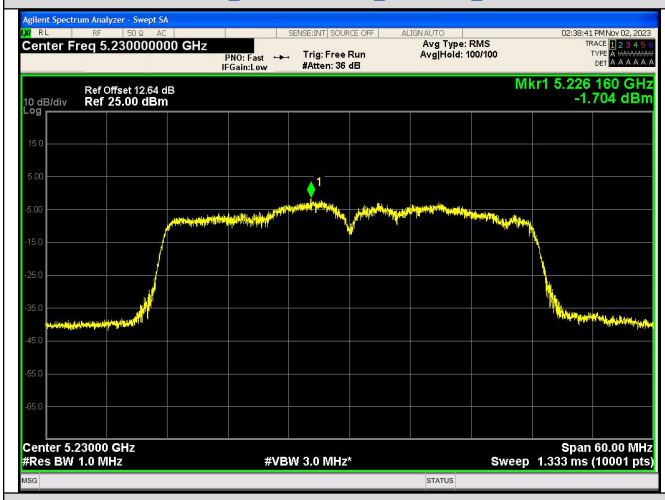
IEEE 802.11ac_Channel 40_20MHz_Antenna 0



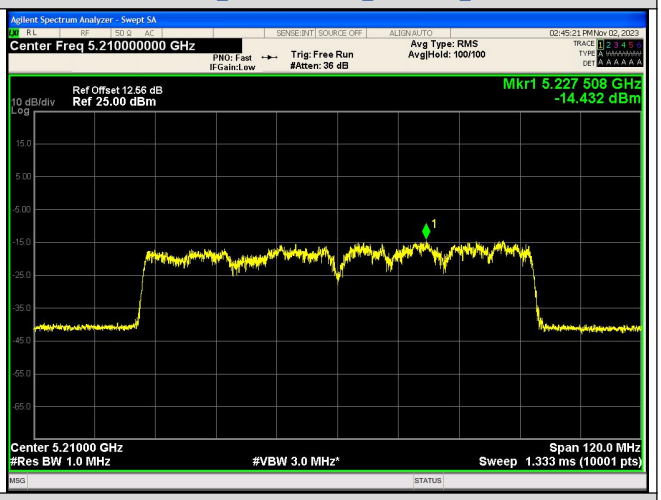
IEEE 802.11ac_Channel 48_20MHz_Antenna 0



IEEE 802.11ac_Channel 38_40MHz_Antenna 0



IEEE 802.11ac_Channel 46_40MHz_Antenna 0



IEEE 802.11ac_Channel 42_80MHz_Antenna 0

Antenna 2:

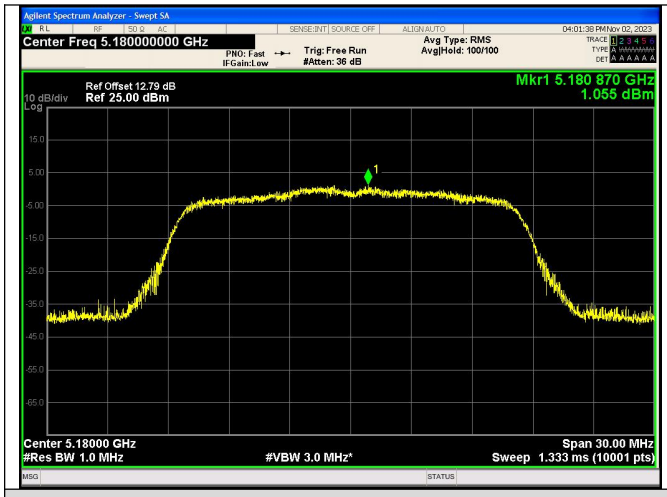
Test Result

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	1.055	3.3025	11	PASS
	40	1.040	3.3014		PASS
	48	2.637	4.8743		PASS
IEEE 802.11n_20	36	0.180	2.759		PASS
	40	0.732	3.3197		PASS
	48	2.197	4.7784		PASS
IEEE 802.11n_40	38	-7.982	-3.2827		PASS
	46	-2.780	1.909		PASS
IEEE 802.11ac_20	36	0.495	2.9538		PASS
	40	0.655	2.9834		PASS
	48	2.218	4.6914		PASS
IEEE 802.11ac_40	38	-8.182	-3.8322		PASS
	46	-2.499	1.967		PASS
IEEE 802.11ac_80	42	-13.703	-7.7837		PASS

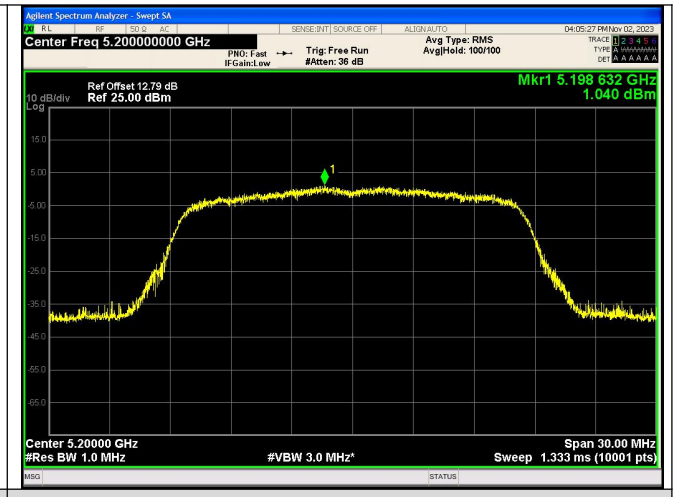
Note1:Antenna Gain: Ant1: 3.09dBi; Ant2: 3.57dBi;

Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain)

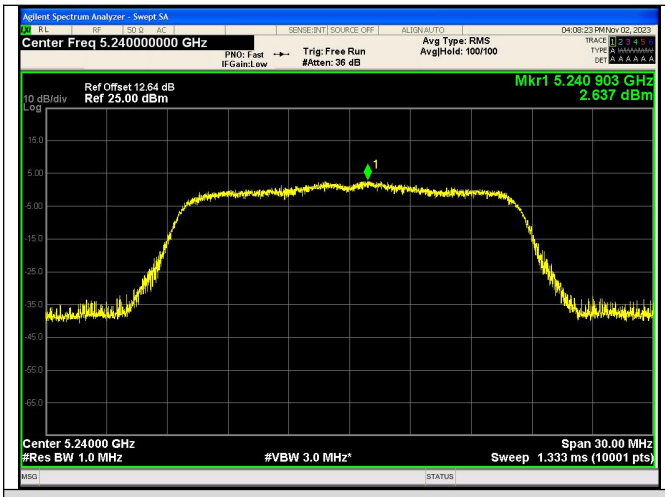
Test Graphs



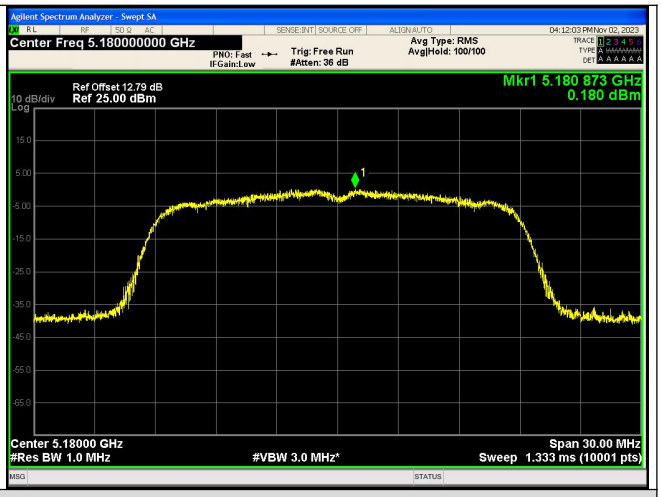
IEEE 802.11a_Channel 36_20MHz_Antenna 0



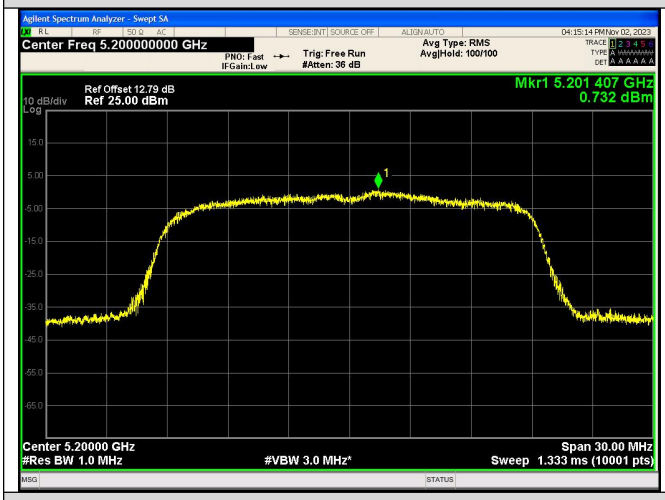
IEEE 802.11a_Channel 40_20MHz_Antenna 0



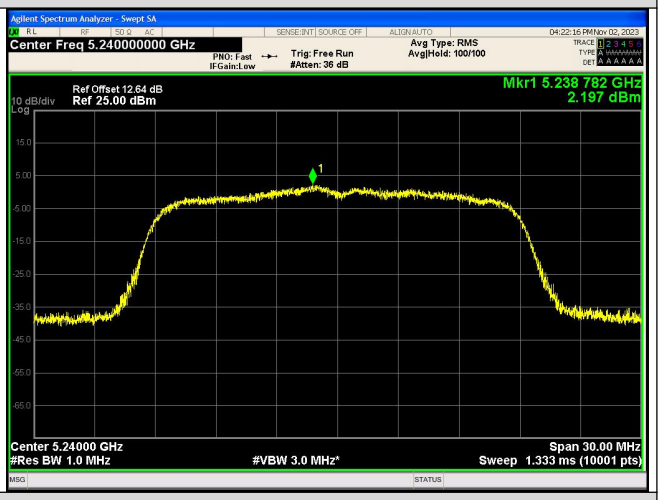
IEEE 802.11a_Channel 48_20MHz_Antenna 0



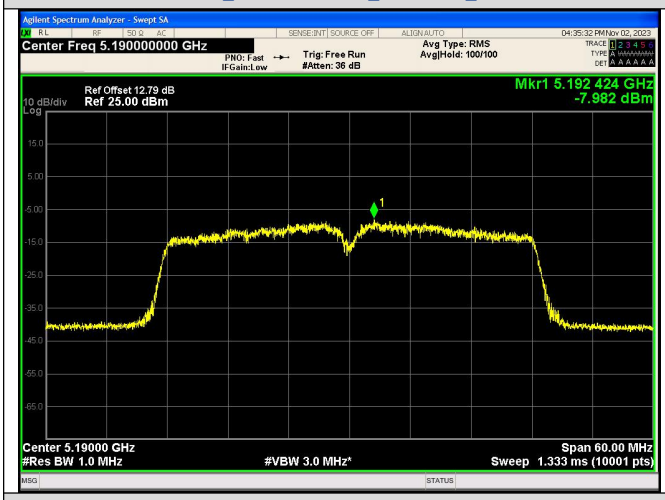
IEEE 802.11n_Channel 36_20MHz_Antenna 0



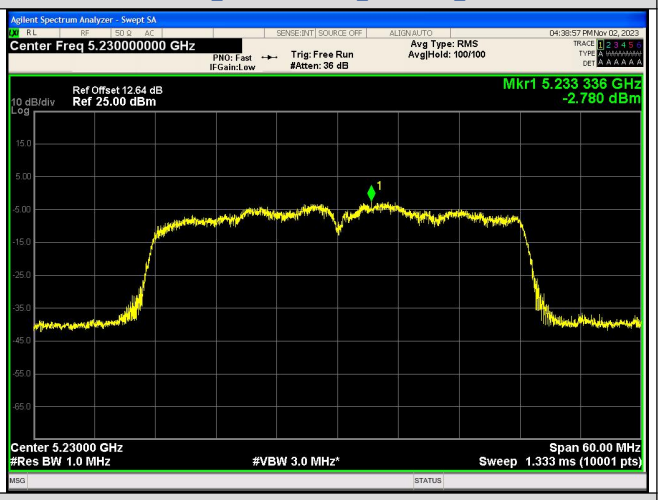
IEEE 802.11n_Channel 40_20MHz_Antenna 0



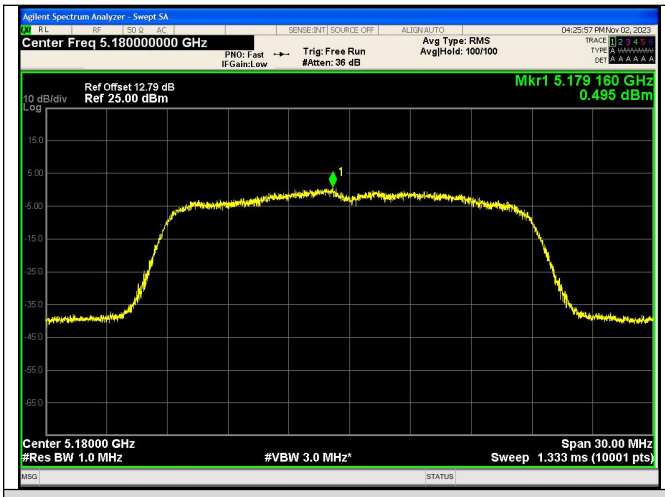
IEEE 802.11n_Channel 48_20MHz_Antenna 0



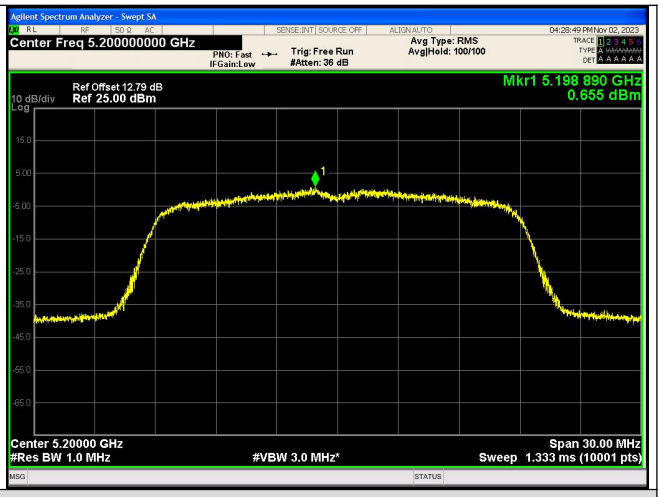
IEEE 802.11n_Channel 38_40MHz_Antenna 0



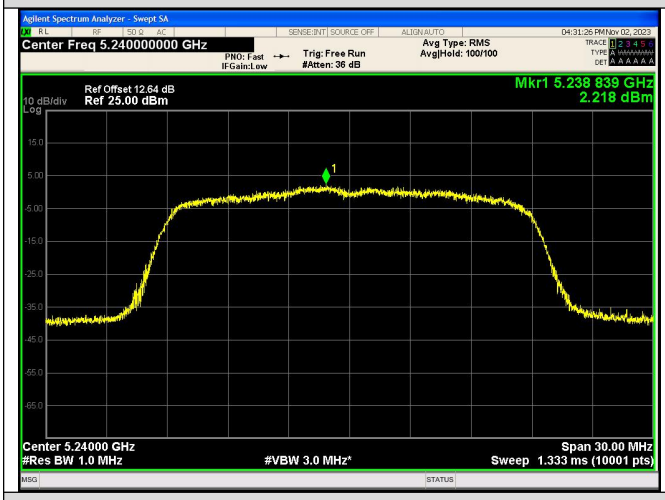
IEEE 802.11n_Channel 46_40MHz_Antenna 0



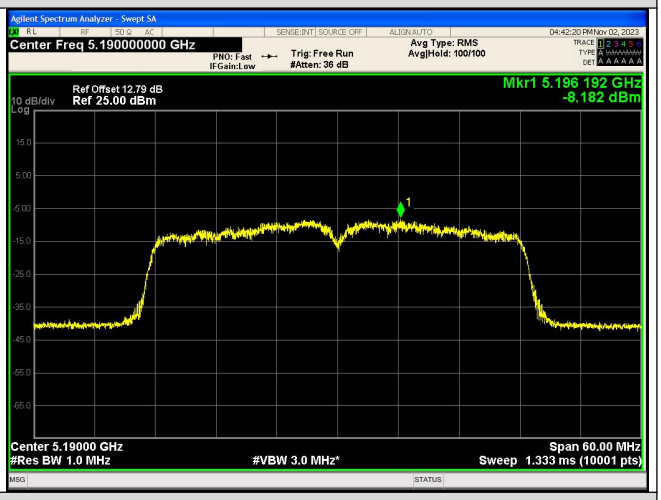
IEEE 802.11ac_Channel 36_20MHz_Antenna 0



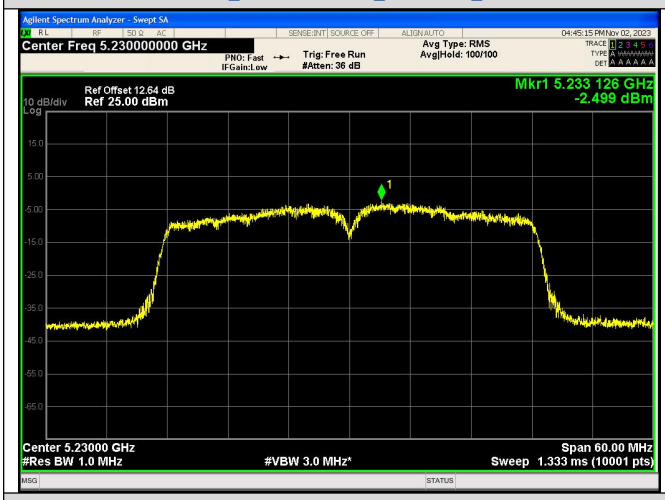
IEEE 802.11ac_Channel 40_20MHz_Antenna 0



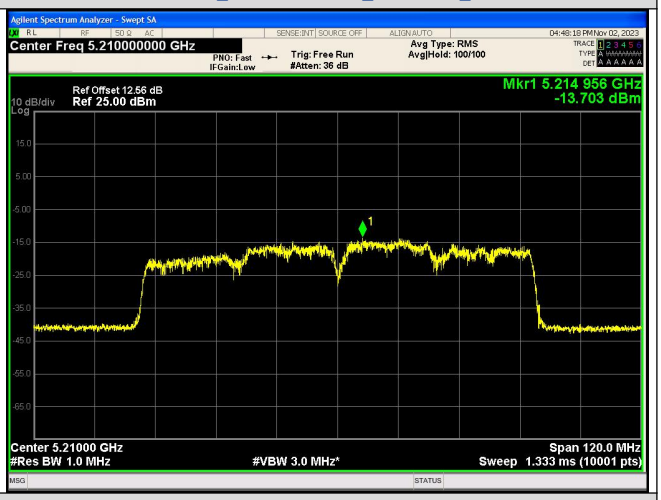
IEEE 802.11ac_Channel 48_20MHz_Antenna 0



IEEE 802.11ac_Channel 38_40MHz_Antenna 0



IEEE 802.11ac_Channel 46_40MHz_Antenna 0



IEEE 802.11ac_Channel 42_80MHz_Antenna 0

Antenna 1+2:

Test Result

Mode	Channel	Ant. 0 Corr'd PSD (dBm/MHz or dBm/0.5MHz)	Limit (dBm/MHz or dBm/0.5MHz)	Result
IEEE 802.11n_20	36	7.14	11	PASS
	40	7.28		PASS
	48	8.44		PASS
IEEE 802.11n_40	38	0.63		PASS
	46	5.68		PASS
IEEE 802.11ac_20	36	7.07		PASS
	40	6.98		PASS
	48	8.47		PASS
IEEE 802.11ac_40	38	-0.56		PASS
	46	5.31		PASS
IEEE 802.11ac_80	42	-4.84		PASS

Note1:Antenna Gain: Ant1: 3.09dBi; Ant2: 3.57dBi;

Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain)

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