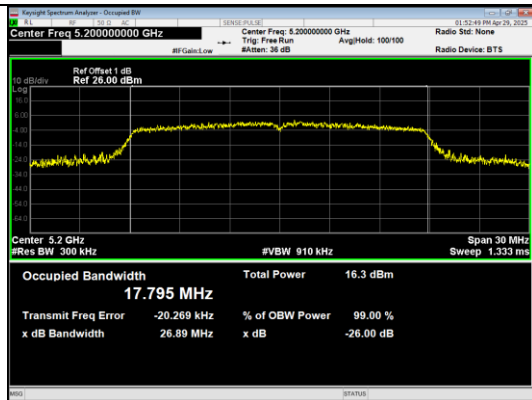
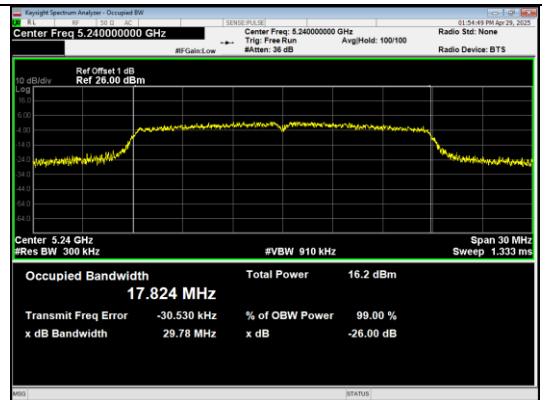
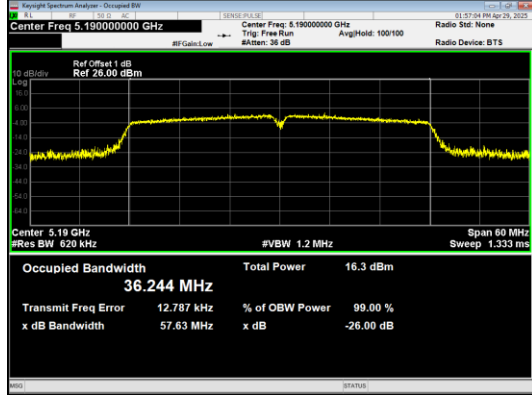




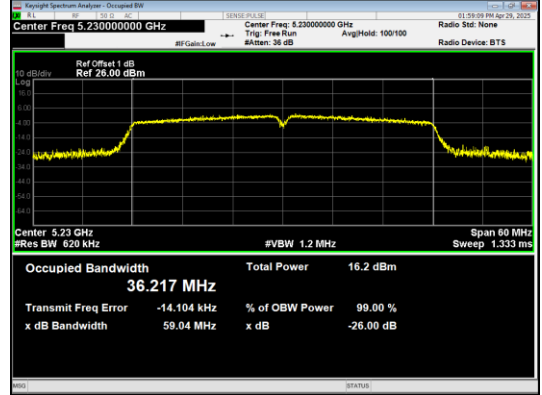
IEEE 802.11n_Channel 40_20MHz_Antenna 1



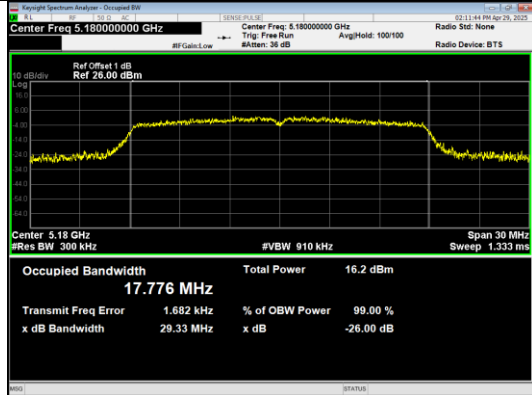
IEEE 802.11n_Channel 48_20MHz_Antenna 1



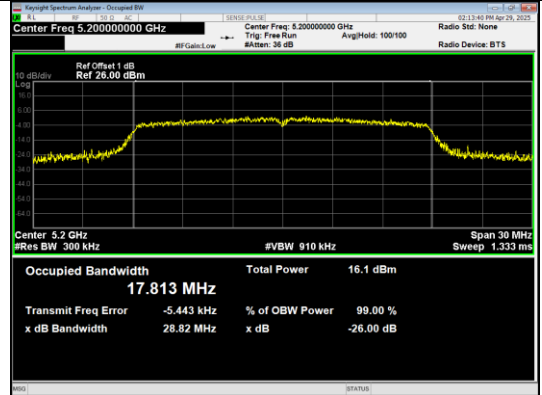
IEEE 802.11n_Channel 38_40MHz_Antenna 1



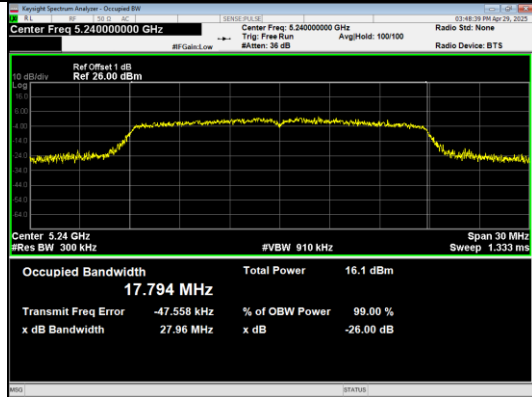
IEEE 802.11n_Channel 46_40MHz_Antenna 1



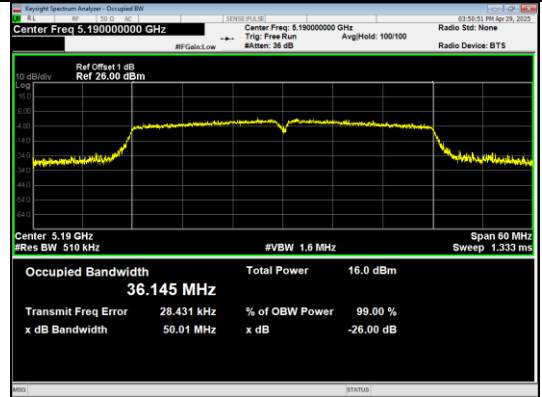
IEEE 802.11ac_Channel 36_20MHz_Antenna 1



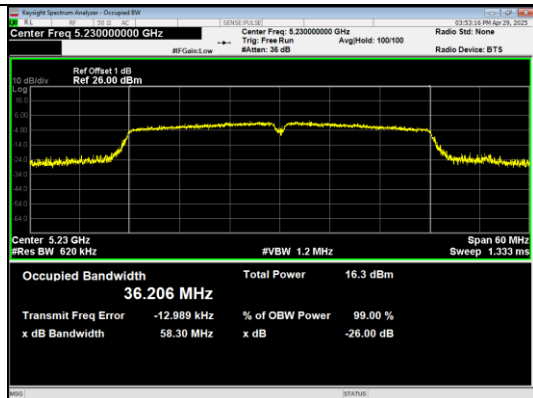
IEEE 802.11ac_Channel 40_20MHz_Antenna 1



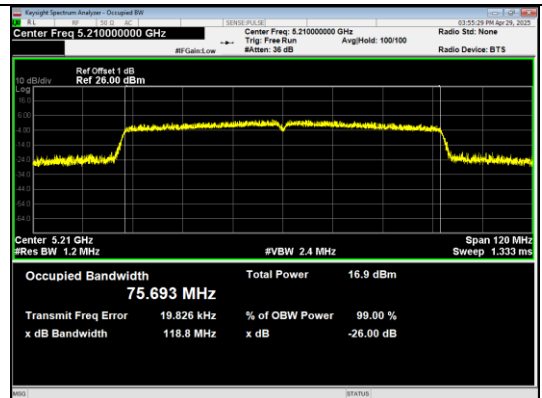
IEEE 802.11ac_Channel 48_20MHz_Antenna 1



IEEE 802.11ac_Channel 38_40MHz_Antenna 1



IEEE 802.11ac_Channel 46_40MHz_Antenna 1



IEEE 802.11ac_Channel 42_80MHz_Antenna 1

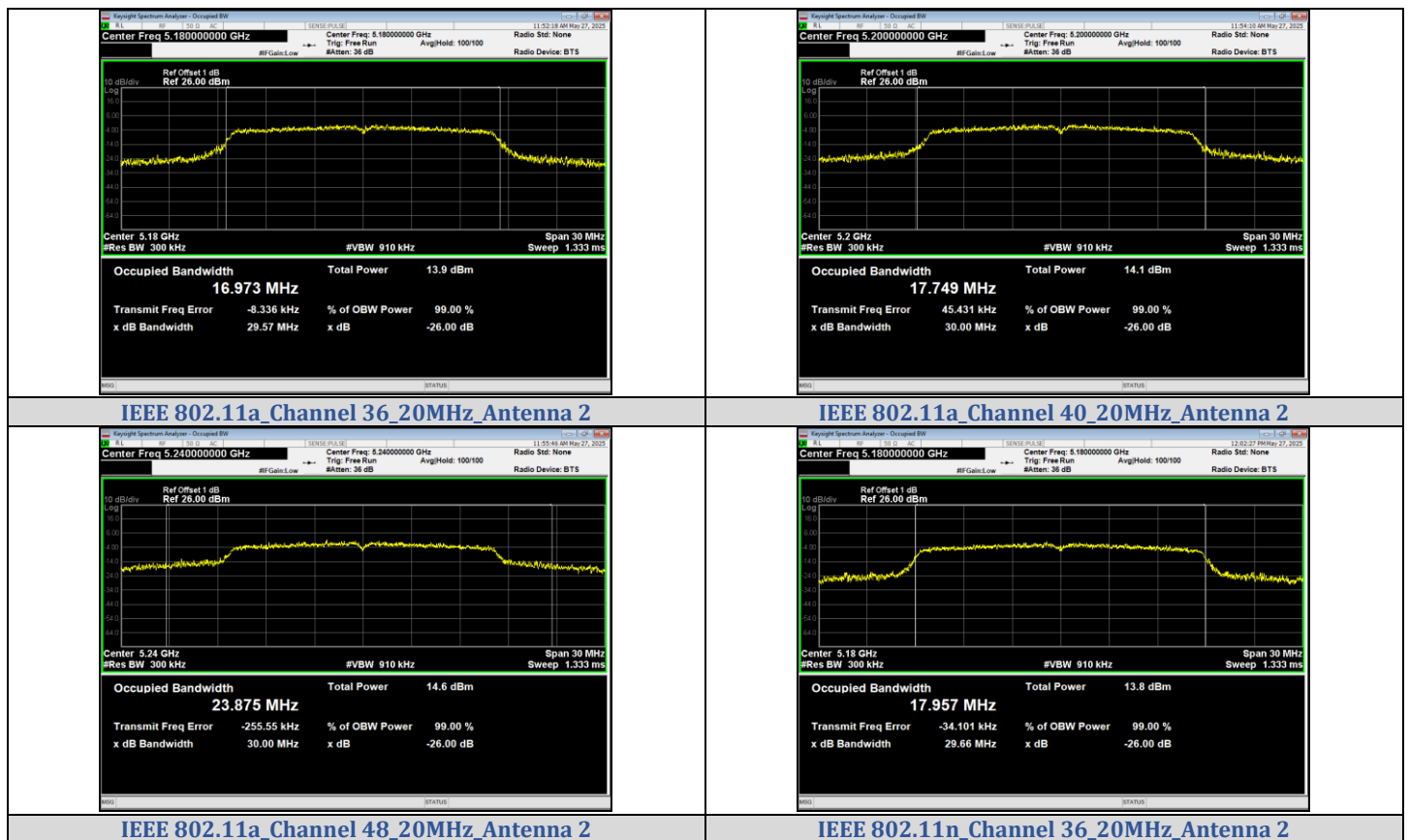
ANT2

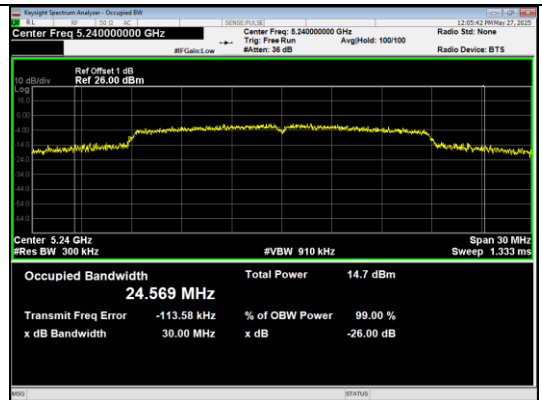
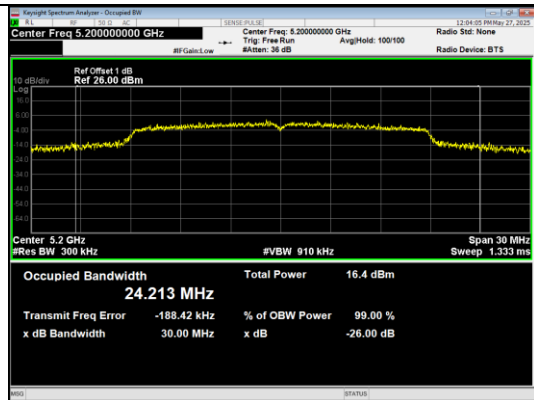
26dB Bandwidth

Test Result

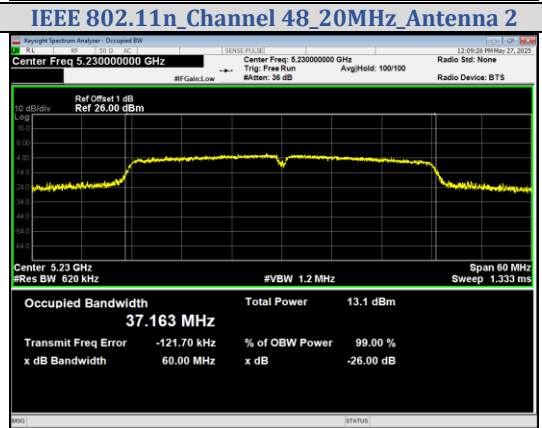
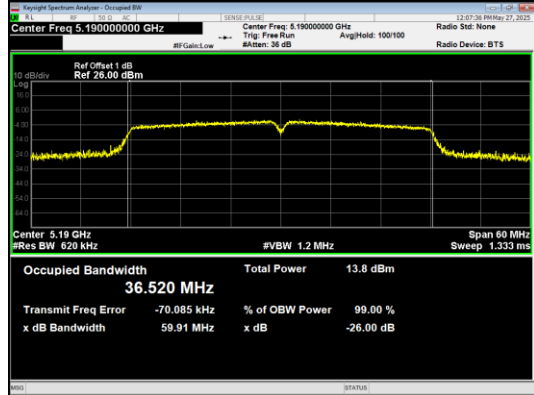
Mode	Channel	Center Frequency (MHz)	26 dB Bandwidth (MHz)	RBW/EBW
IEEE 802.11a	36	5180	29.57	1.01
	40	5200	30.00	1.0
	48	5240	30.00	1.0
IEEE 802.11n_20	36	5180	29.66	1.01
	40	5200	30.00	1.0
	48	5240	30.00	1.0
IEEE 802.11n_40	38	5190	59.91	1.03
	46	5230	60.00	1.03
IEEE 802.11ac_20	36	5180	29.93	1.0
	40	5200	29.98	1.0
	48	5240	30.00	1.0
IEEE 802.11ac_40	38	5190	59.94	1.03
	46	5230	59.97	1.03
IEEE 802.11ac_80	42	5210	118.31	1.03

Test Graphs

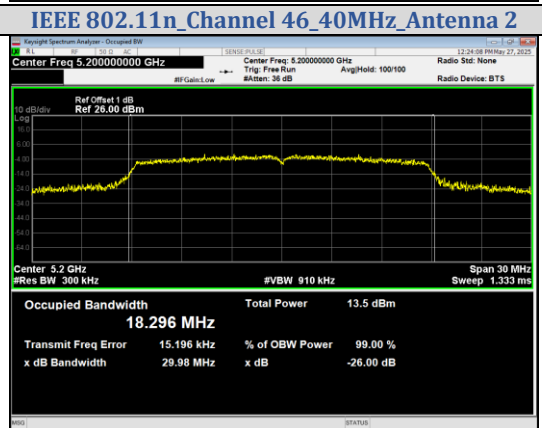
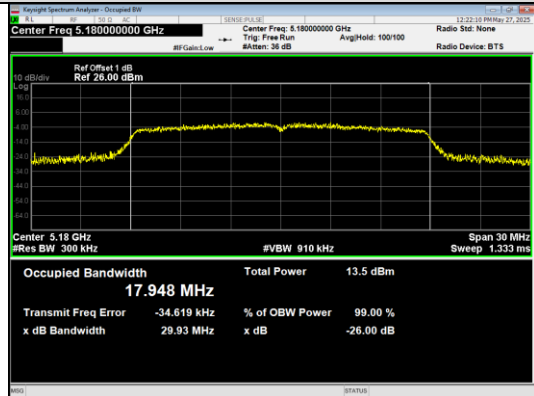




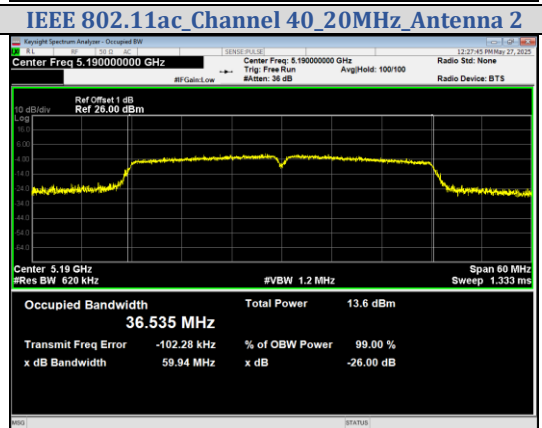
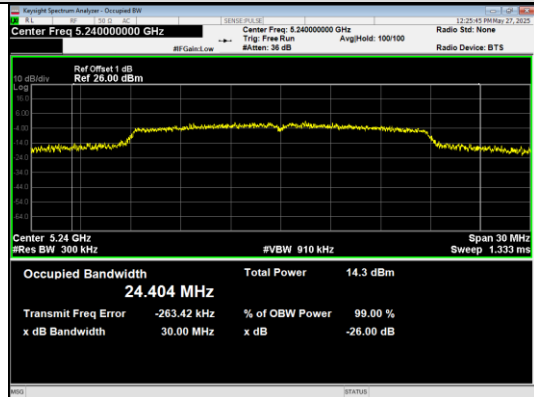
IEEE 802.11n_Channel 40_20MHz_Antenna 2



IEEE 802.11n_Channel 38_40MHz_Antenna 2

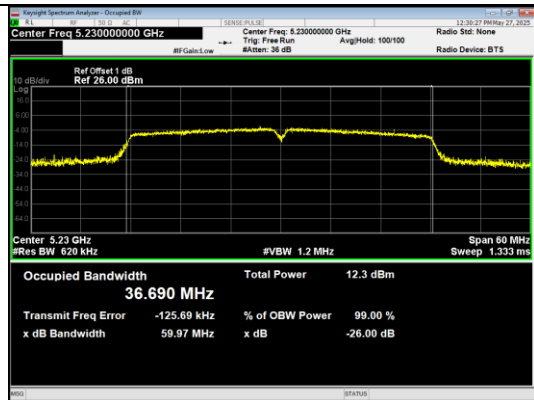


IEEE 802.11ac_Channel 36_20MHz_Antenna 2

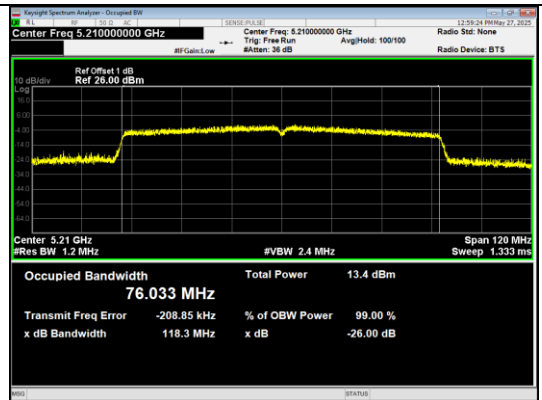


IEEE 802.11ac_Channel 48_20MHz_Antenna 2

IEEE 802.11ac_Channel 38_40MHz_Antenna 2



IEEE 802.11ac_Channel 46_40MHz_Antenna 2



IEEE 802.11ac_Channel 42_80MHz_Antenna 2

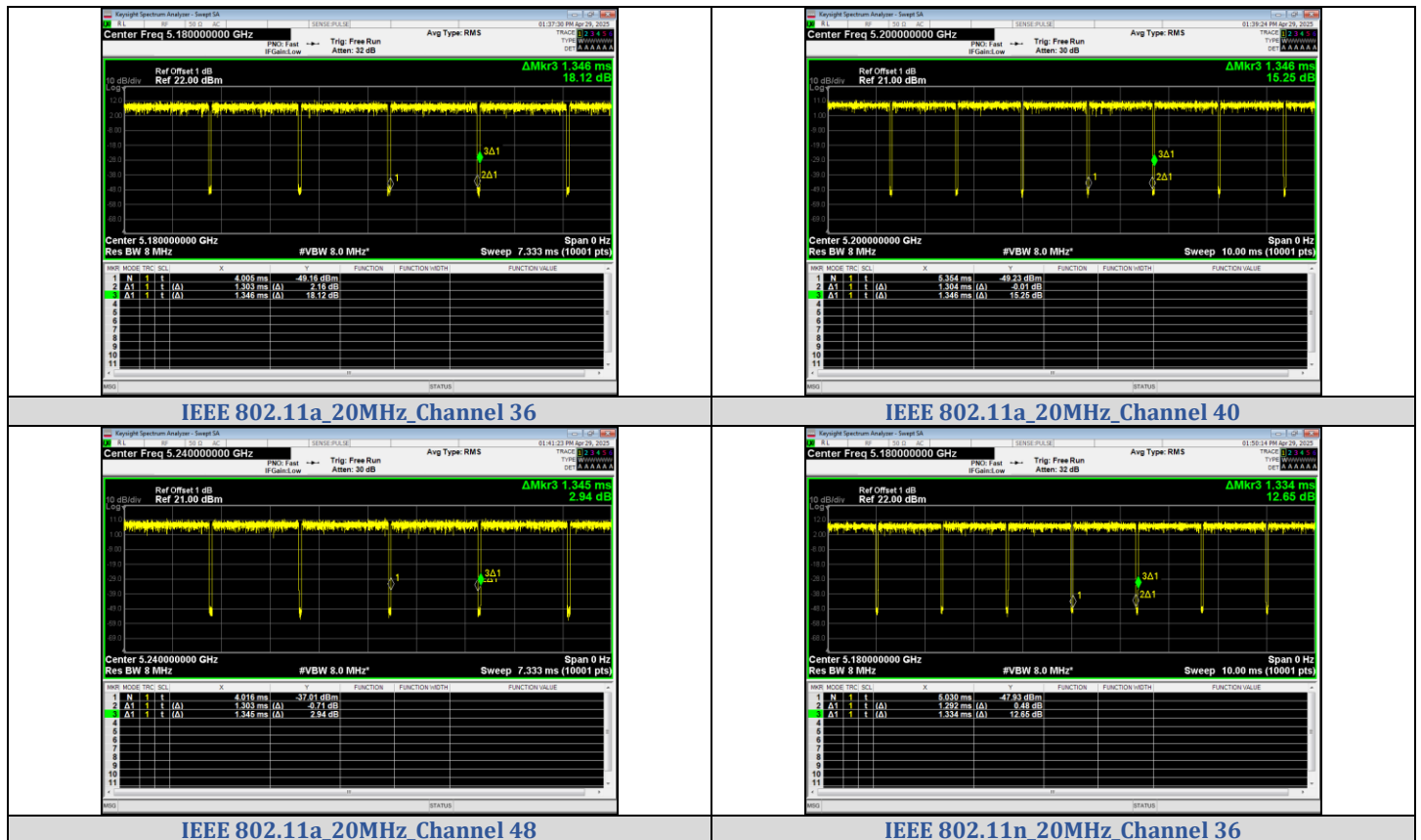
ANT1

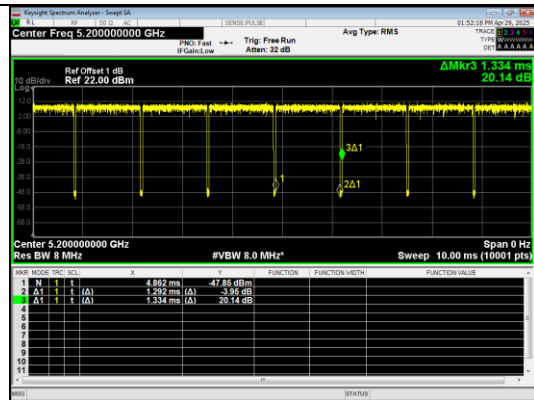
Duty Cycle

Test Result

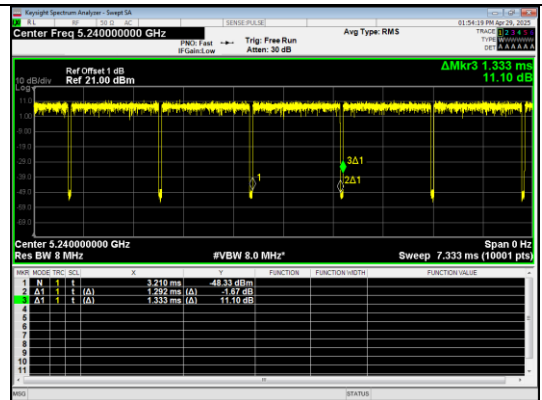
Mode	Data rates	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
IEEE 802.11a	6	36	1.303	1.346	96.86	0.9686	0.1386	0.7675
		40	1.304	1.346	96.88	0.9688	0.1377	0.7669
		48	1.303	1.345	96.86	0.9686	0.1386	0.7675
IEEE 802.11n_20	MCS 0	36	1.292	1.334	96.85	0.9685	0.139	0.7740
		40	1.292	1.334	96.85	0.9685	0.139	0.7740
		48	1.292	1.333	96.88	0.9688	0.1377	0.7740
IEEE 802.11n_40		38	0.638	0.681	93.76	0.9376	0.2798	1.5674
		46	0.638	0.681	93.75	0.9375	0.2803	1.5674
IEEE 802.11ac_20		36	1.316	1.358	96.91	0.9691	0.1363	0.7599
		40	1.316	1.357	96.98	0.9698	0.1332	0.7599
		48	1.315	1.357	96.88	0.9688	0.1377	0.7605
IEEE 802.11ac_40		38	0.654	0.696	93.90	0.9390	0.2733	1.5291
		46	0.654	0.697	93.96	0.9396	0.2706	1.5291
IEEE 802.11ac_80		42	0.325	0.369	88.20	0.8820	0.5453	3.0769

Test Graphs

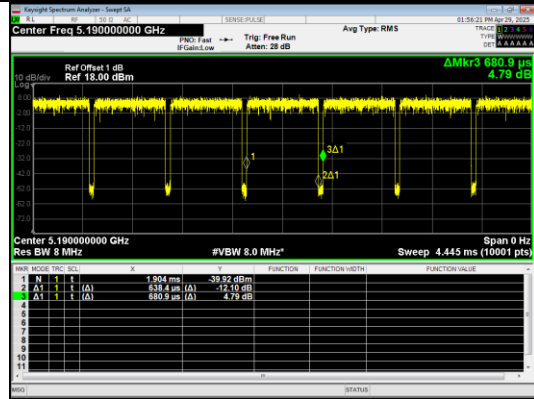




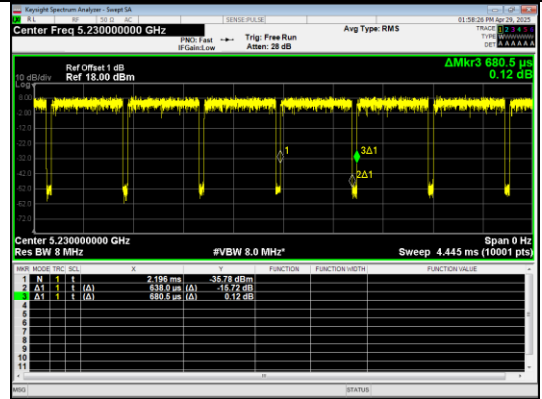
IEEE 802.11n_20MHz_Channel 40



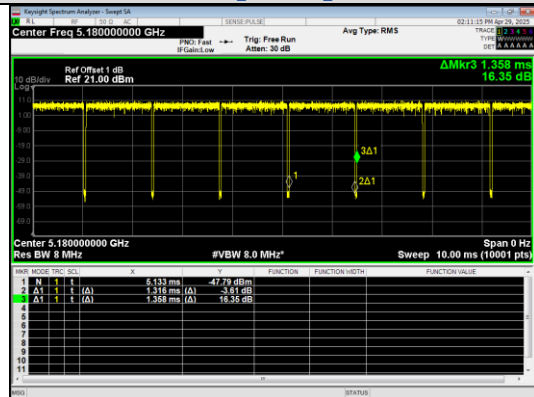
IEEE 802.11n_20MHz_Channel 48



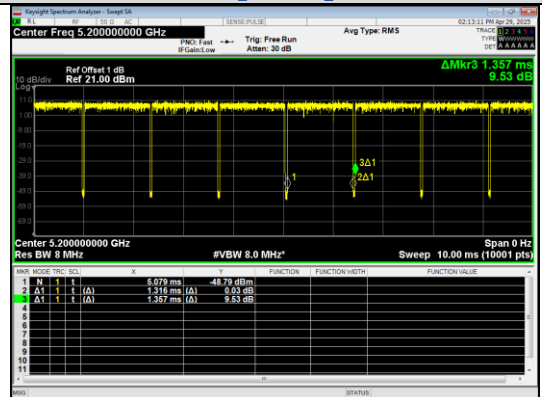
IEEE 802.11n_40MHz_Channel 38



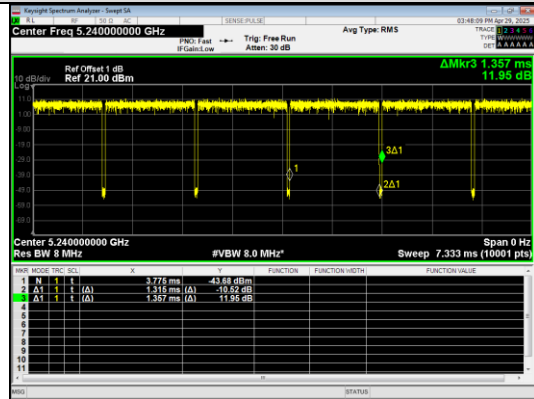
IEEE 802.11n_40MHz_Channel 46



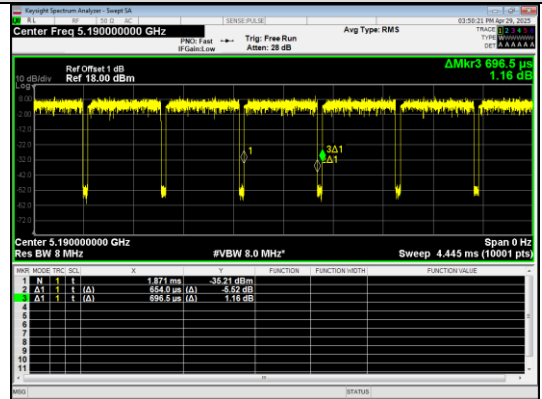
IEEE 802.11ac_20MHz_Channel 36



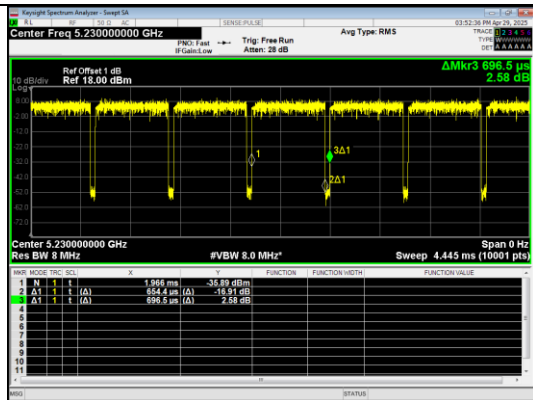
IEEE 802.11ac_20MHz_Channel 40



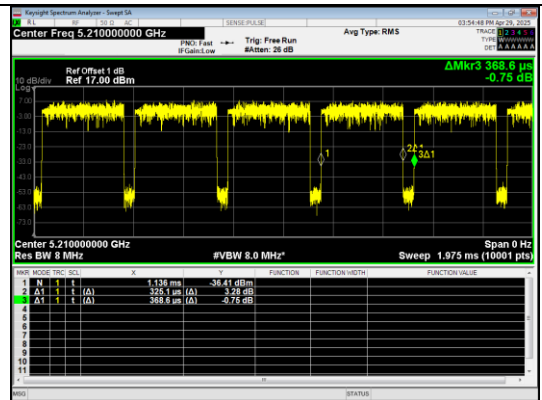
IEEE 802.11ac_20MHz_Channel 48



IEEE 802.11ac_40MHz_Channel 38



IEEE 802.11ac_40MHz_Channel 46



IEEE 802.11ac_80MHz_Channel 42

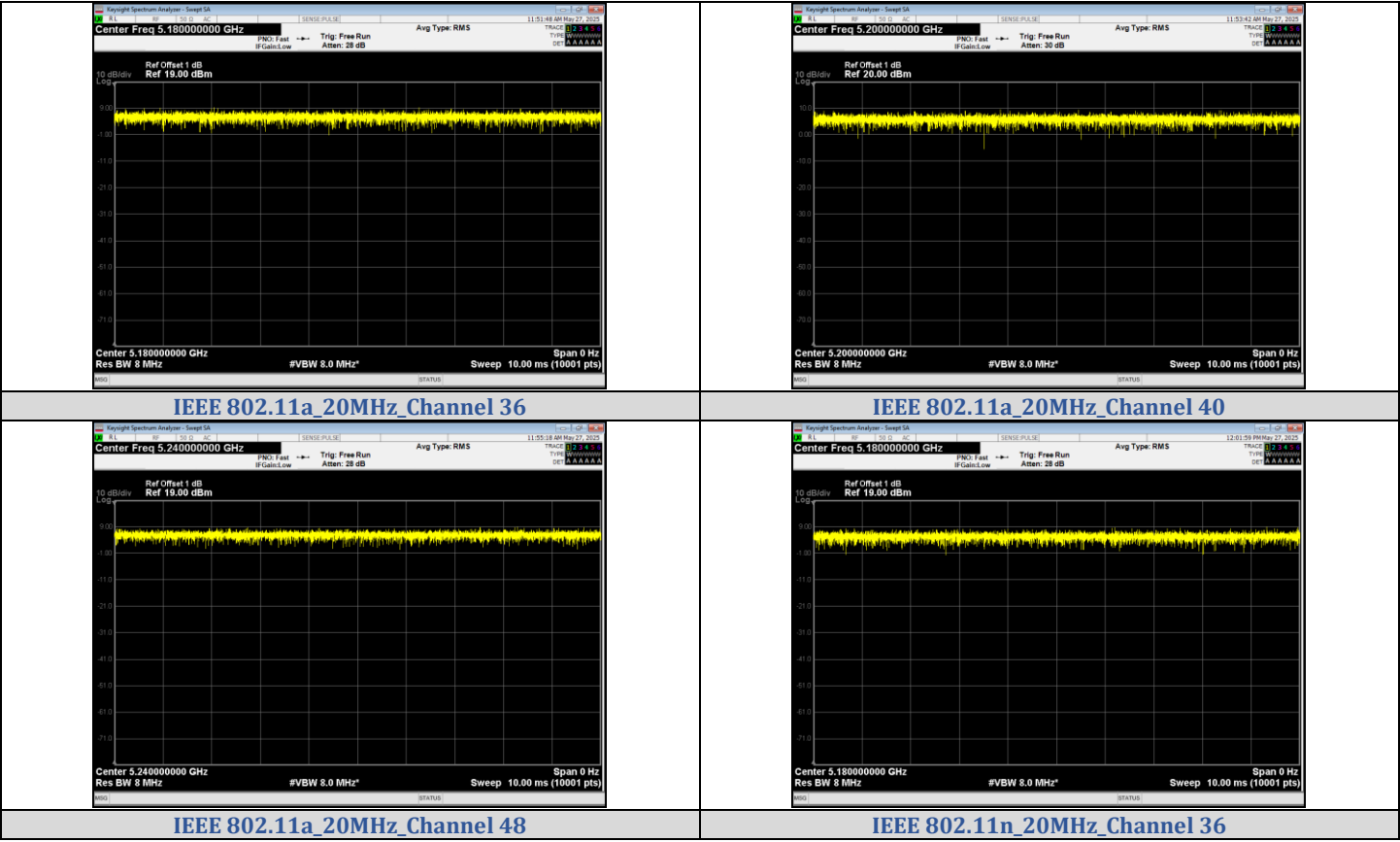
ANT2

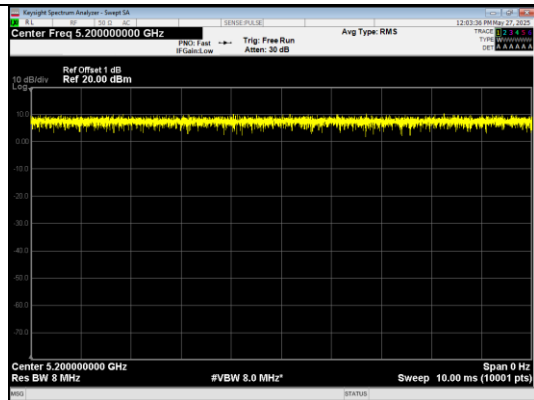
Duty Cycle

Test Result

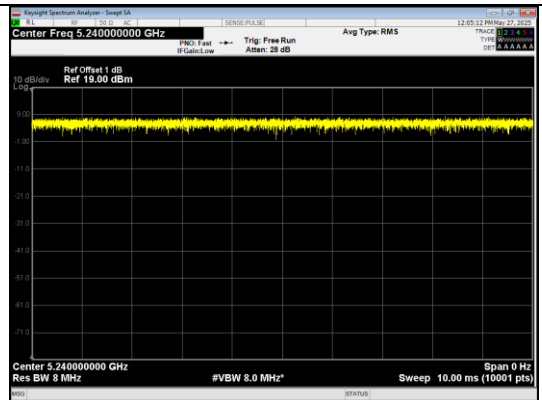
Mode	Data rates	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
IEEE 802.11a	6	36	10.000	10.000	100	1	0.0	0.1000
		40	10.000	10.000	100	1	0.0	0.1000
		48	10.000	10.000	100	1	0.0	0.1000
IEEE 802.11n_20	MCS 0	36	10.000	10.000	100	1	0.0	0.1000
40		10.000	10.000	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	
IEEE 802.11ac_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 802.11ac_40		38	10.000	10.000	100	1	0.0	0.1000
46		10.000	10.000	100	1	0.0	0.1000	
IEEE 802.11ac_80		42	10.000	10.000	100	1	0.0	0.1000

Test Graphs

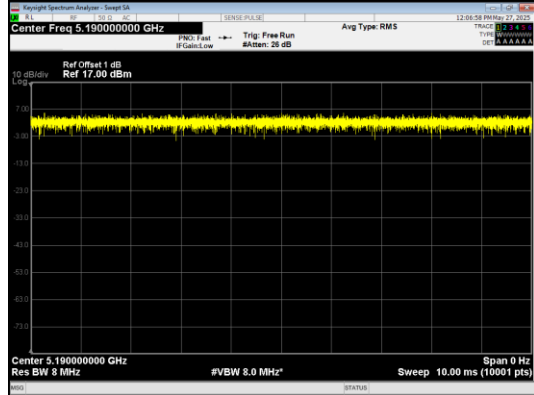




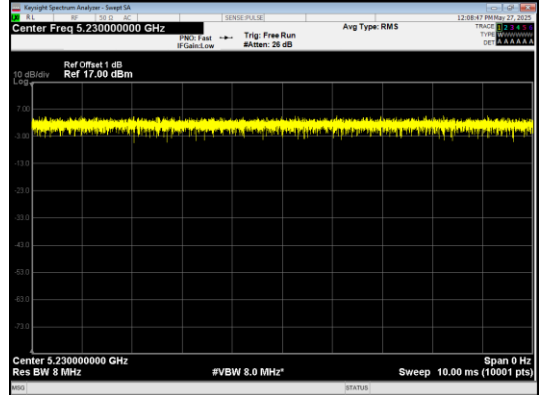
IEEE 802.11n_20MHz_Channel 40



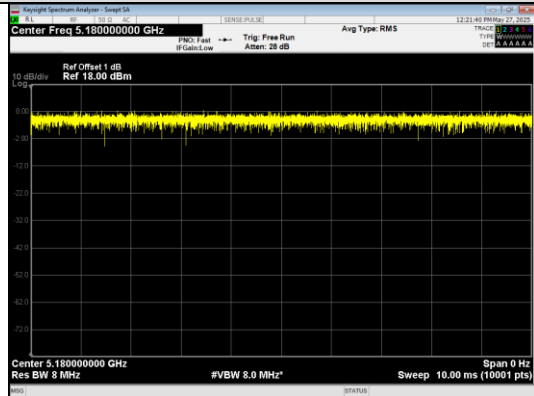
IEEE 802.11n_20MHz_Channel 48



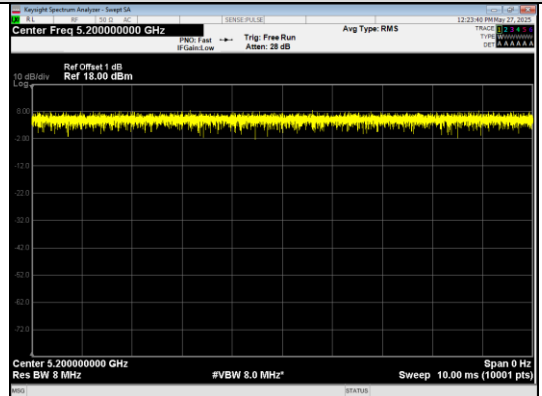
IEEE 802.11n_40MHz_Channel 38



IEEE 802.11n_40MHz_Channel 46



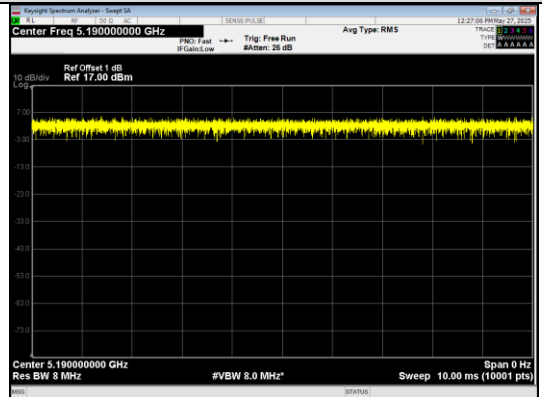
IEEE 802.11ac_20MHz_Channel 36



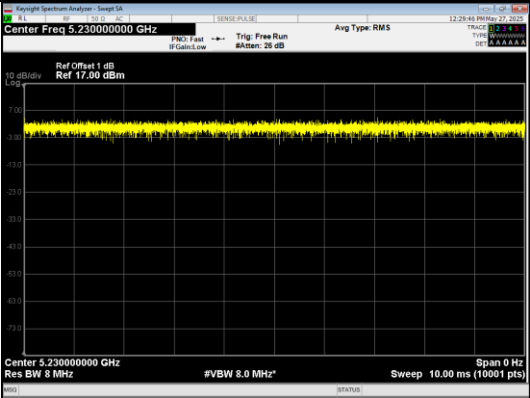
IEEE 802.11ac_20MHz_Channel 40



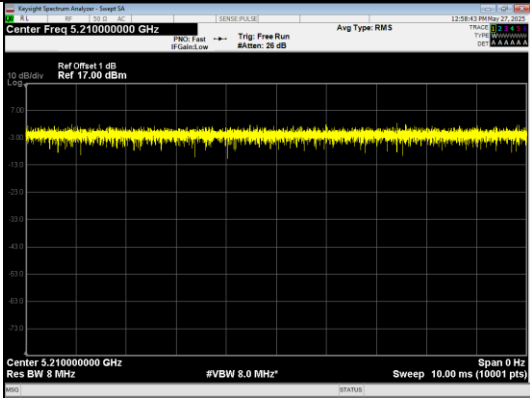
IEEE 802.11ac_20MHz_Channel 48



IEEE 802.11ac_40MHz_Channel 38



IEEE 802.11ac_40MHz_Channel 46



IEEE 802.11ac_80MHz_Channel 42

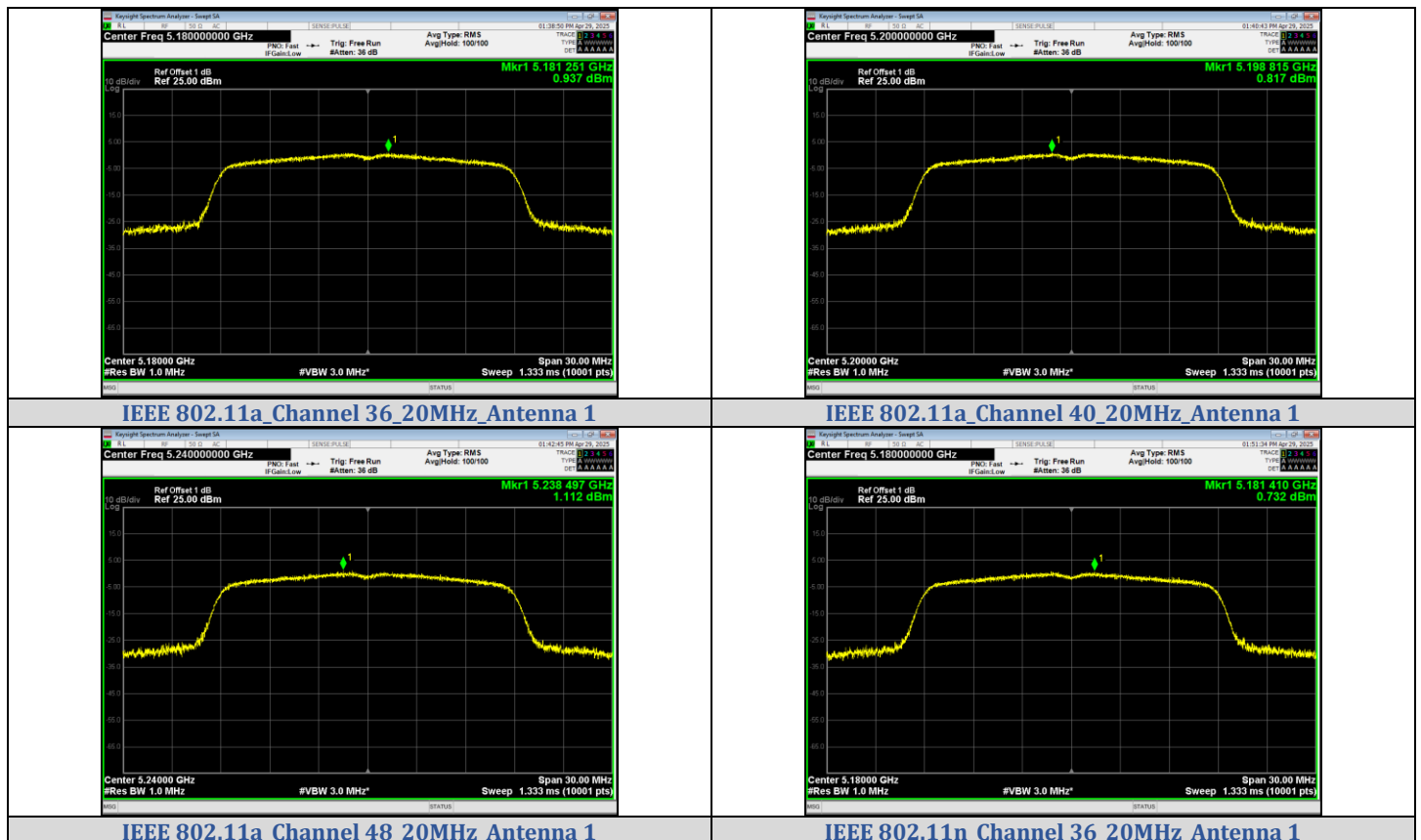
ANT1

Peak Power Spectral Density

Test Result

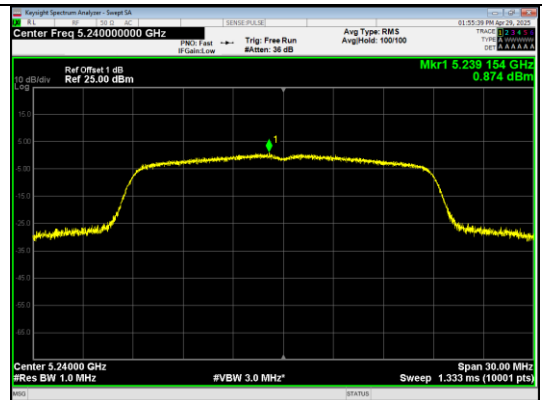
Mode	Channel	Ant. 1 Meas PSD (dBm/MHz or dBm/0.5MHz)	Ant. 1 Corr'd PSD (dBm/MHz or dBm/0.5MHz)	Limit (dBm/MHz or dBm/0.5MHz)	Result
IEEE 802.11a	36	0.937	1.076	11	PASS
	40	0.817	0.956		PASS
	48	1.112	1.251		PASS
IEEE 802.11n_20	36	0.732	0.87		PASS
	40	0.746	0.884		PASS
	48	0.874	1.012		PASS
IEEE 802.11n_40	38	-2.378	-2.098		PASS
	46	-2.606	-2.326		PASS
IEEE 802.11ac_20	36	0.586	0.724		PASS
	40	0.470	0.608		PASS
	48	0.603	0.741		PASS
IEEE 802.11ac_40	38	-2.299	-2.028		PASS
	46	-2.383	-2.112		PASS
IEEE 802.11ac_80	42	-5.749	-5.204		PASS

Test Graphs





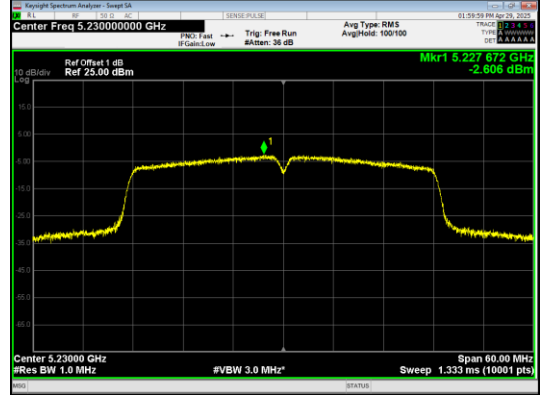
IEEE 802.11n_Channel 40_20MHz_Antenna 1



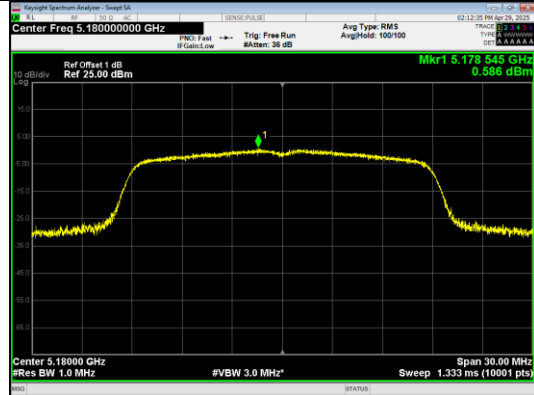
IEEE 802.11n_Channel 48_20MHz_Antenna 1



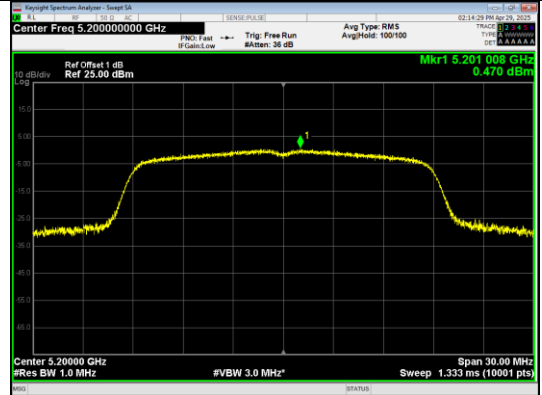
IEEE 802.11n_Channel 38_40MHz_Antenna 1



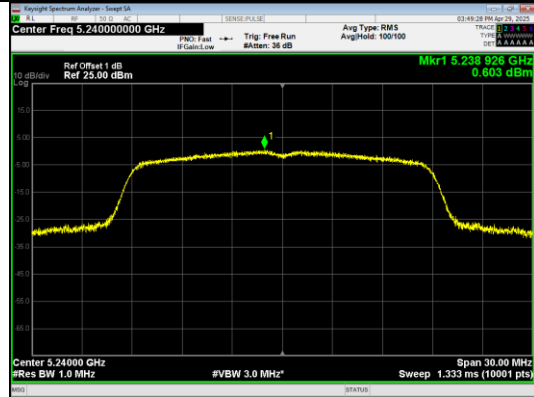
IEEE 802.11n_Channel 46_40MHz_Antenna 1



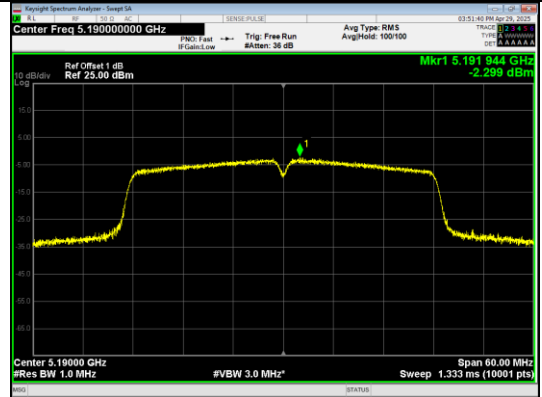
IEEE 802.11ac_Channel 36_20MHz_Antenna 1



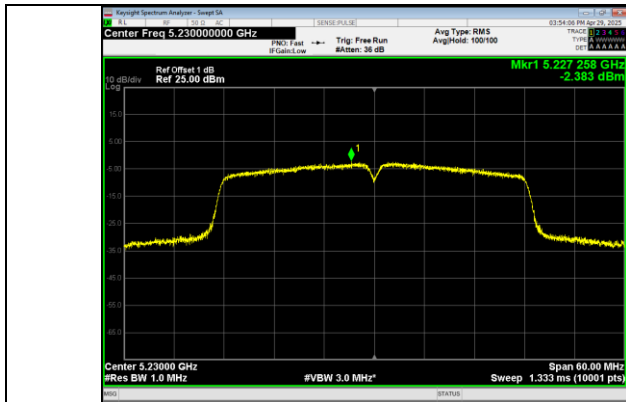
IEEE 802.11ac_Channel 40_20MHz_Antenna 1



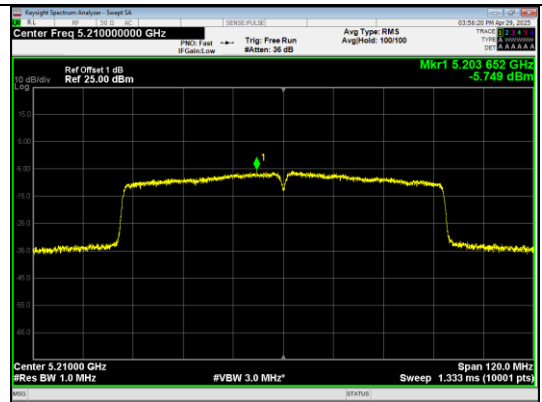
IEEE 802.11ac_Channel 48_20MHz_Antenna 1



IEEE 802.11ac_Channel 38_40MHz_Antenna 1



IEEE 802.11ac_Channel 46_40MHz_Antenna 1



IEEE 802.11ac_Channel 42_80MHz_Antenna 1

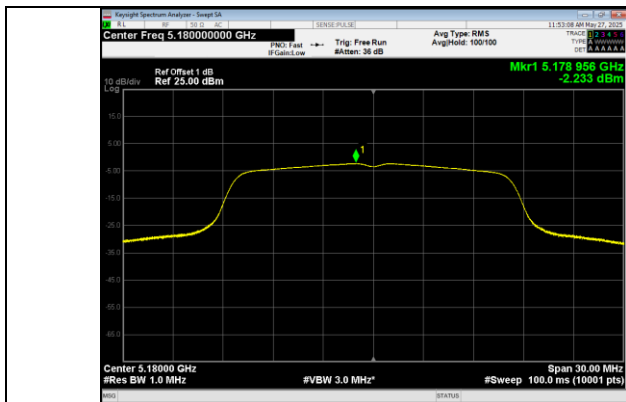
ANT2

Peak Power Spectral Density

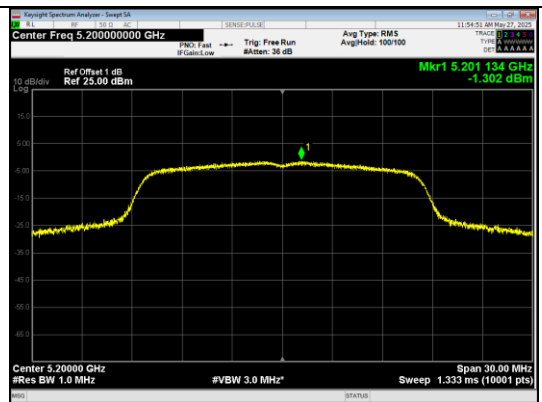
Test Result

Mode	Channel	Ant. 2 Meas PSD (dBm/MHz or dBm/0.5MHz)	Ant. 2 Corr'd PSD (dBm/MHz or dBm/0.5MHz)	Limit (dBm/MHz or dBm/0.5MHz)	Result
IEEE 802.11a	36	-2.233	-2.233	11	PASS
	40	-1.302	-1.302		PASS
	48	-0.998	-0.998		PASS
IEEE 802.11n_20	36	-1.626	-1.626		PASS
	40	0.448	0.448		PASS
	48	-1.307	-1.307		PASS
IEEE 802.11n_40	38	-4.719	-4.719		PASS
	46	-5.514	-5.514		PASS
IEEE 802.11ac_20	36	-1.937	-1.937		PASS
	40	-1.753	-1.753		PASS
	48	-1.562	-1.562		PASS
IEEE 802.11ac_40	38	-5.030	-5.03		PASS
	46	-6.276	-6.276		PASS
IEEE 802.11ac_80	42	-8.851	-8.851		PASS

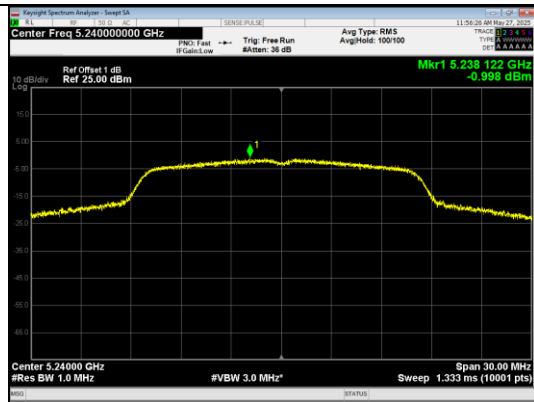
Test Graphs



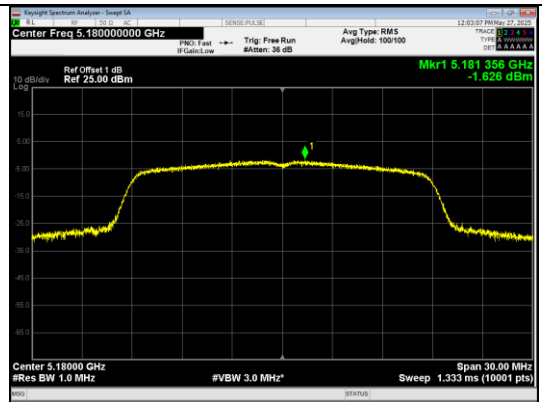
IEEE 802.11a_Channel 36_20MHz_Antenna 2



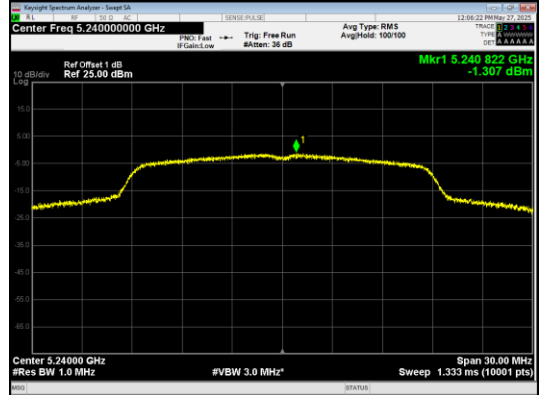
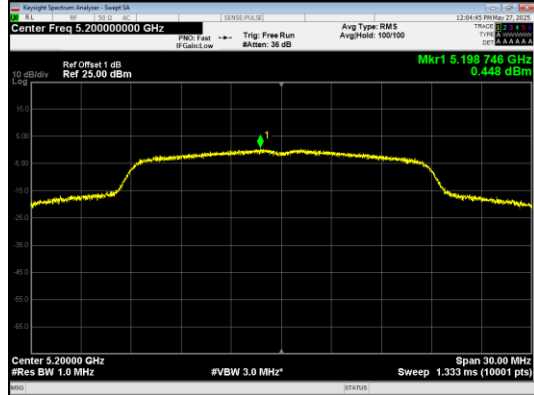
IEEE 802.11a_Channel 40_20MHz_Antenna 2



IEEE 802.11a_Channel 48_20MHz_Antenna 2

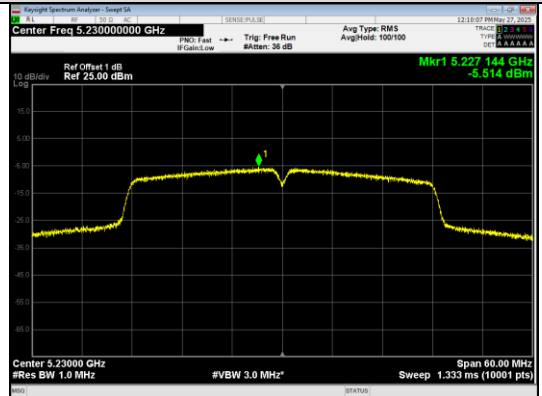
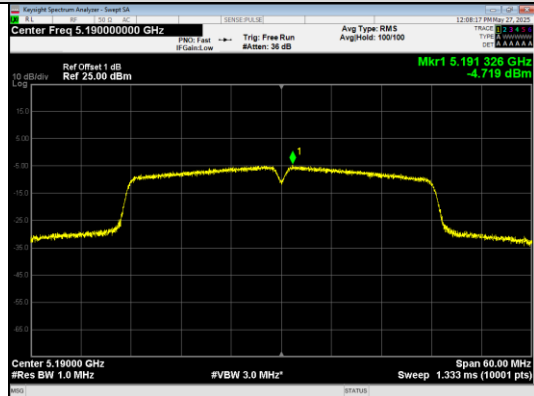


IEEE 802.11n_Channel 36_20MHz_Antenna 2



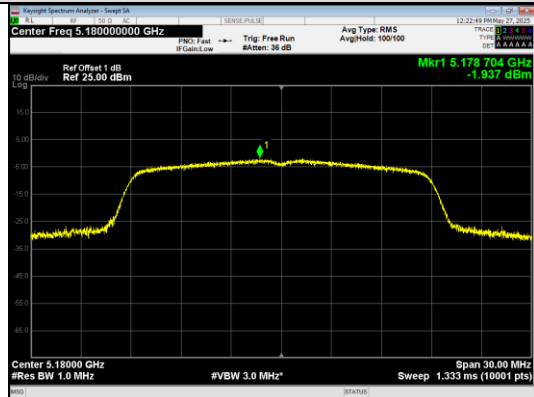
IEEE 802.11n_Channel 40_20MHz_Antenna 2

IEEE 802.11n_Channel 48_20MHz_Antenna 2

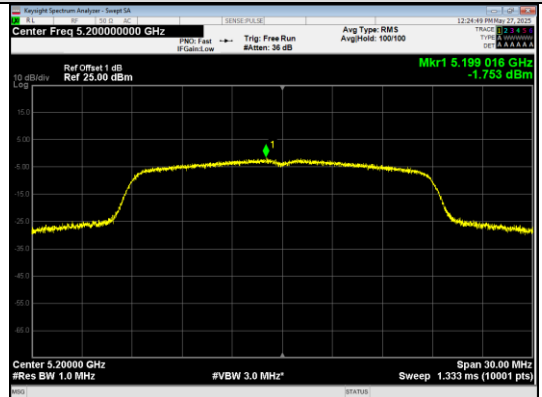


IEEE 802.11n_Channel 38_40MHz_Antenna 2

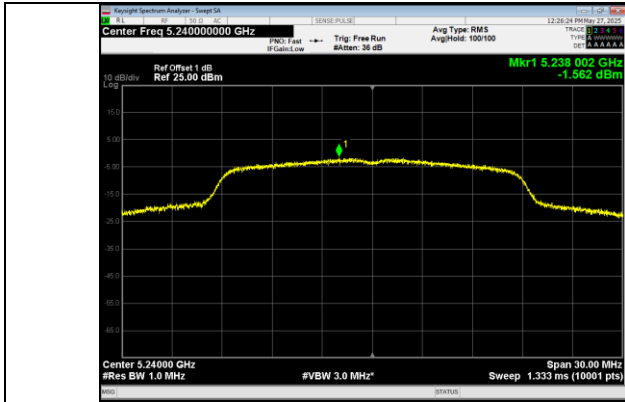
IEEE 802.11n_Channel 46_40MHz_Antenna 2



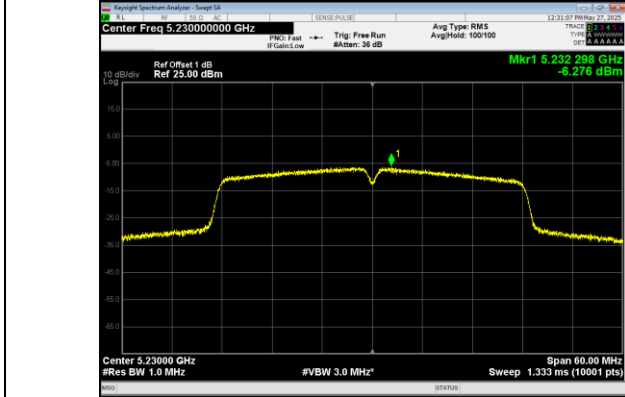
IEEE 802.11ac_Channel 36_20MHz_Antenna 2



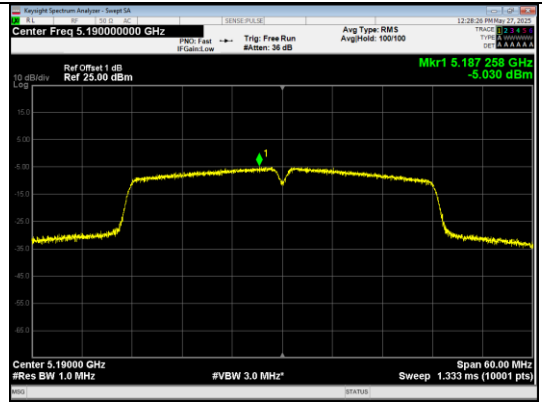
IEEE 802.11ac_Channel 40_20MHz_Antenna 2



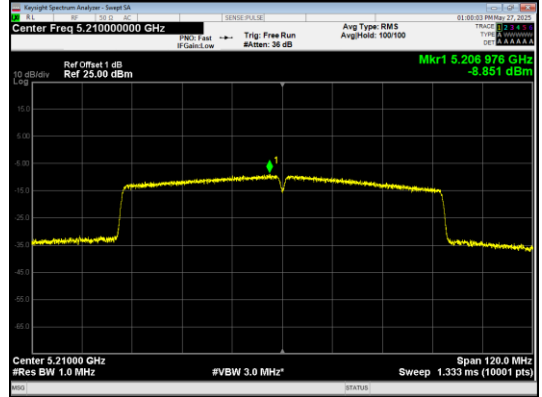
IEEE 802.11ac_Channel 48_20MHz_Antenna 2



IEEE 802.11ac_Channel 46_40MHz_Antenna 2



IEEE 802.11ac_Channel 38_40MHz_Antenna 2



IEEE 802.11ac_Channel 42_80MHz_Antenna 2

MIMO

Mode	Channel	Ant. 1 Corr'd PSD (dBm/MHz or dBm/0.5MHz)	Ant. 2 Corr'd PSD (dBm/MHz or dBm/0.5MHz)	MIMO Corr'd PSD (dBm/MHz or dBm/0.5MHz)	Limit (dBm/MHz or dBm/0.5MHz)	Result
IEEE 802.11a	36	1.076	-2.233	2.740	11	PASS
	40	0.956	-1.302	2.982		PASS
	48	1.251	-0.998	3.281		PASS
IEEE 802.11n_20	36	0.87	-1.626	2.809		PASS
	40	0.884	0.448	3.682		PASS
	48	1.012	-1.307	3.016		PASS
IEEE 802.11n_40	38	-2.098	-4.719	-0.203		PASS
	46	-2.326	-5.514	-0.624		PASS
IEEE 802.11ac_20	36	0.724	-1.937	2.604		PASS
	40	0.608	-1.753	2.596		PASS
	48	0.741	-1.562	2.751		PASS
IEEE 802.11ac_40	38	-2.028	-5.03	-0.264		PASS
	46	-2.112	-6.276	-0.703		PASS
IEEE 802.11ac_80	42	-5.204	-8.851	-3.645		PASS