APPENDIX II.Conducted average Output Power

Antenna 1:

Mode	Channel	Ant. 0 (dBm)	Corr'd Value Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11a	36	11.701	13.8321	24	PASS
	40	11.824	14.0854	24	PASS
	48	12.448	14.5791	24	PASS
IEEE 802.11n_20	36	11.416	14.1227	24	PASS
	40	11.403	13.9875	24	PASS
	48	12.314	14.893	24	PASS
IEEE 802.11n_40	38	9.311	14.000	24	PASS
	46	9.978	14.667	24	PASS
IEEE 802.11ac_20	36	11.404	13.8774	24	PASS
	40	11.442	13.7846	24	PASS
	48	12.194	14.6674	24	PASS
IEEE 802.11ac_40	38	9.826	14.1604	24	PASS
	46	8.969	13.2788	24	PASS
IEEE 802.11ac_80	42	9.058	15.5652	24	PASS

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

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

Antenna 2:

Mode	Channel	Ant. 0 (dBm)	Corr'd Value Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11a	36	9.836	12.0835	24	PASS
	40	10.033	12.2944	24	PASS
	48	11.467	13.7043	24	PASS
IEEE 802.11n_20	36	9.414	11.993	24	PASS
	40	9.662	12.2497	24	PASS
	48	10.972	13.5534	24	PASS
IEEE 802.11n_40	38	9.407	14.1063	24	PASS
	46	8.544	13.233	24	PASS
IEEE 802.11ac_20	36	9.365	11.8238	24	PASS
	40	9.595	11.9234	24	PASS
	48	11.092	13.5654	24	PASS
IEEE 802.11ac_40	38	10.560	14.9098	24	PASS
	46	8.720	13.186	24	PASS
IEEE 802.11ac_80	42	9.289	15.2083	24	PASS

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

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

Antenna 1+2:

Mode	Channel	Corr'd Value Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11n_20	36	16.20	24	PASS
	40	16.22	24	PASS
	48	17.28	24	PASS
IEEE 802.11n_40	38	17.06	24	PASS
	46	17.02	24	PASS
IEEE 802.11ac_20	36	15.98	24	PASS
	40	15.96	24	PASS
	48	17.16	24	PASS
IEEE 802.11ac_40	38	17.56	24	PASS
	46	16.24	24	PASS
IEEE 802.11ac_80	42	18.40	24	PASS

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

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

APPENDIX III.99% Bandwidth

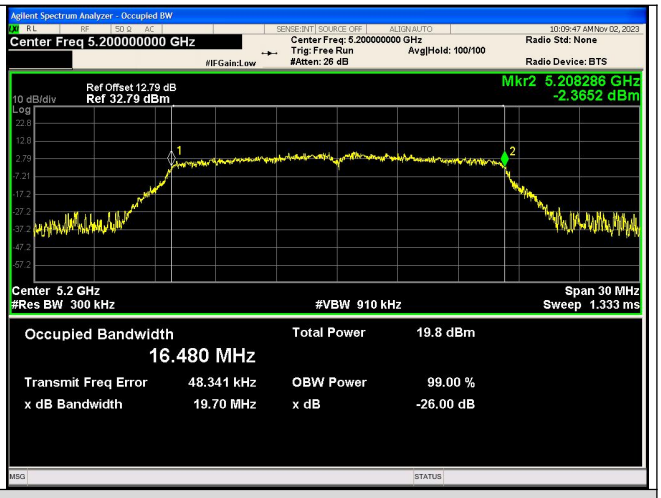
Antenna 1:

Test Result

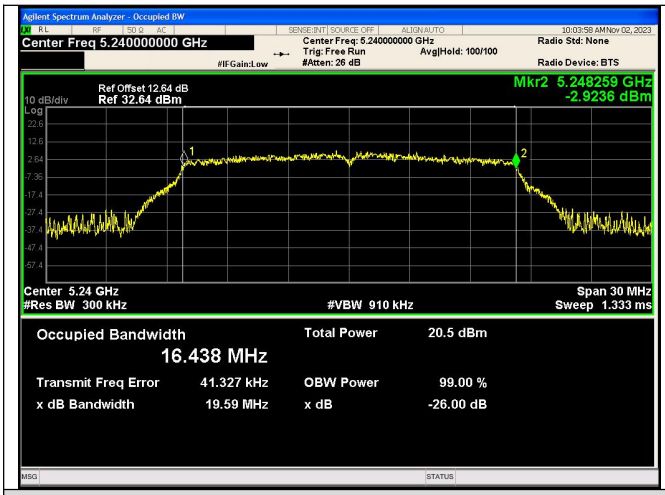
Mode	Channel	Ant.	99% BW (MHz)
IEEE 802.11a	36	1	16.444
	40		16.480
	48		16.438
IEEE 802.11n_20	36		17.575
	40		17.573
	48		17.585
IEEE 802.11n_40	38		35.989
	46		35.910
IEEE 802.11ac_20	36		17.557
	40		17.596
	48		17.577
IEEE 802.11ac_40	38		35.989
	46		35.922
IEEE 802.11ac_80	42		75.822

Test Graphs

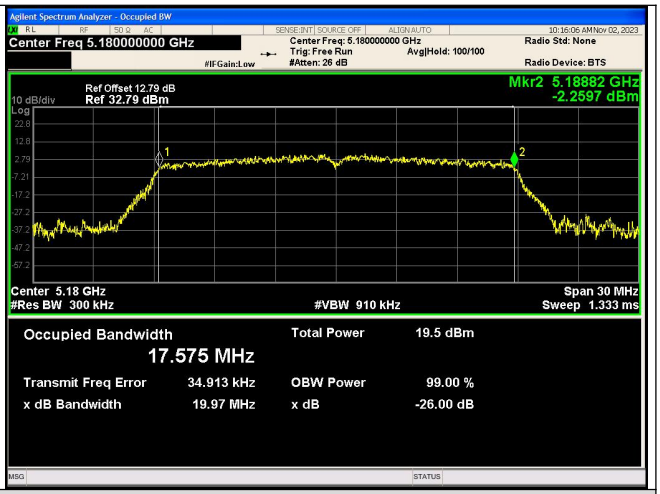
IEEE 802.11a_Channel 36_20MHz_Antenna 0



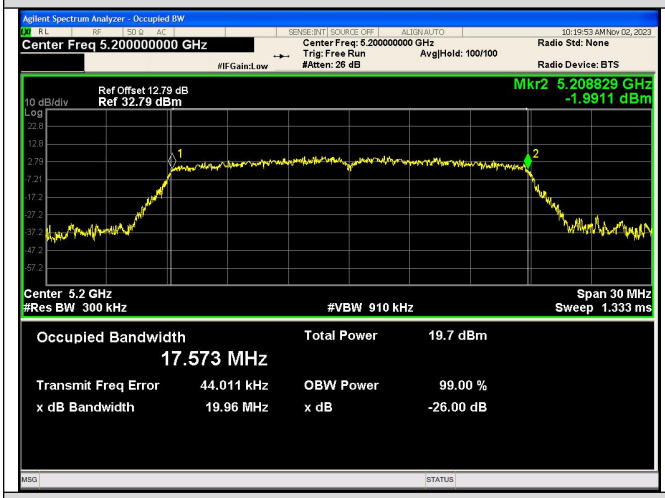
IEEE 802.11a_Channel 40_20MHz_Antenna 0



IEEE 802.11a_Channel 48_20MHz_Antenna 0



IEEE 802.11n_Channel 36_20MHz_Antenna 0



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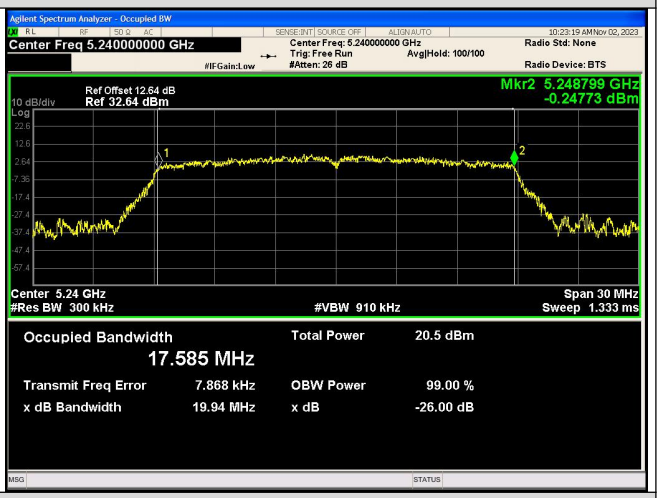
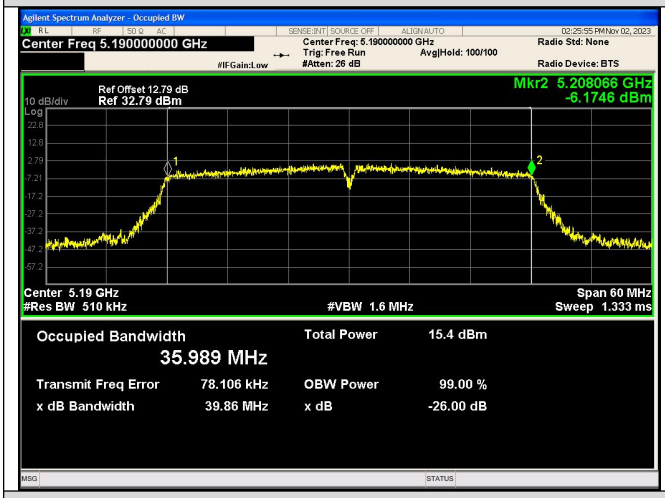
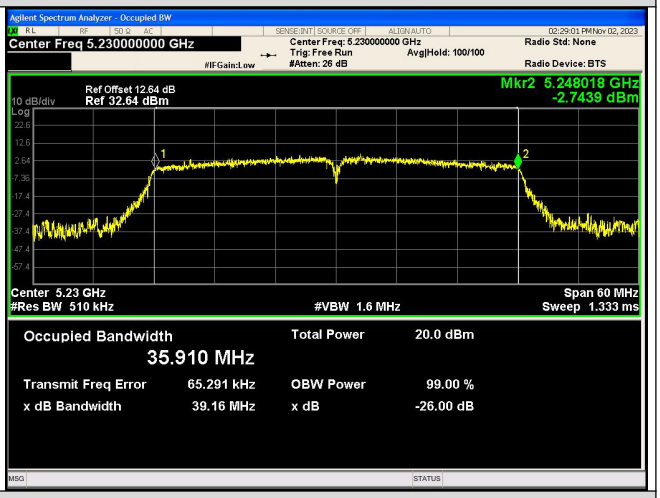


IEEE 802.11n_Channel 48_20MHz_Antenna 0



IEEE 802.11n_Channel 38_40MHz_Antenna 0



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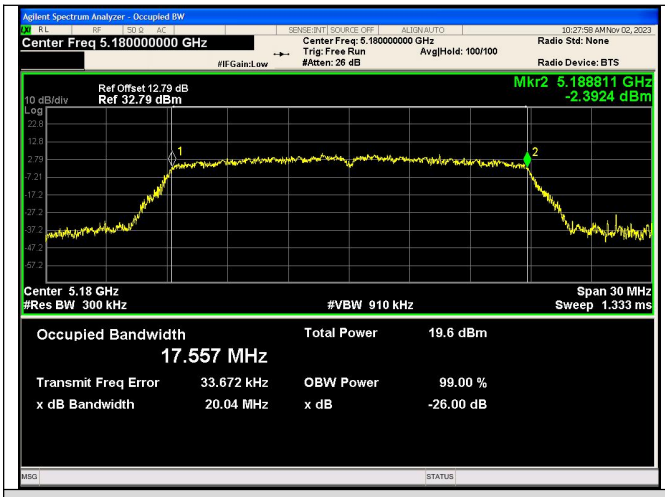
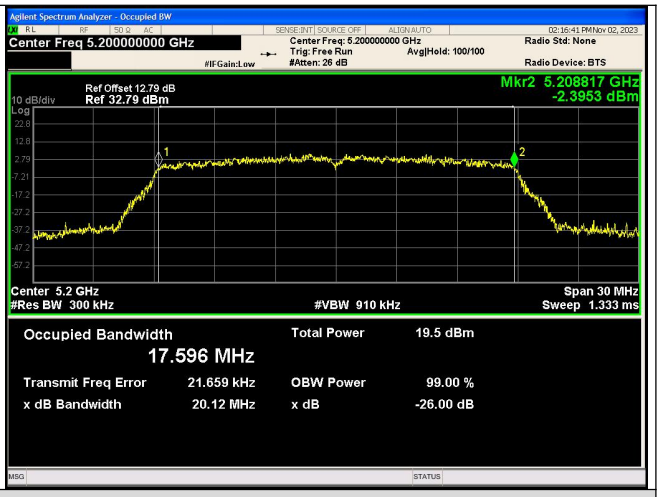
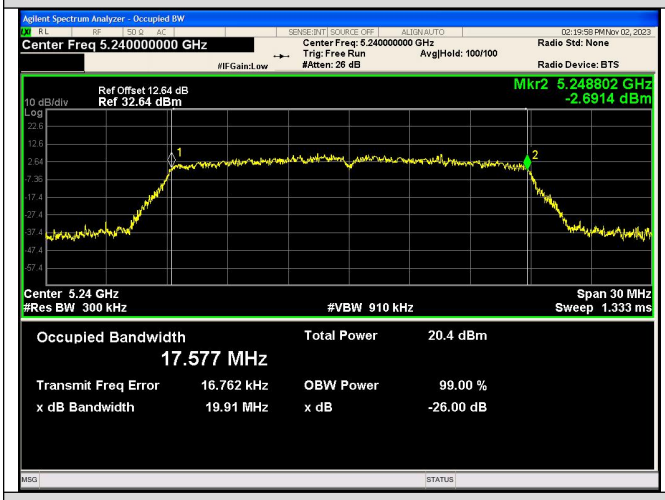


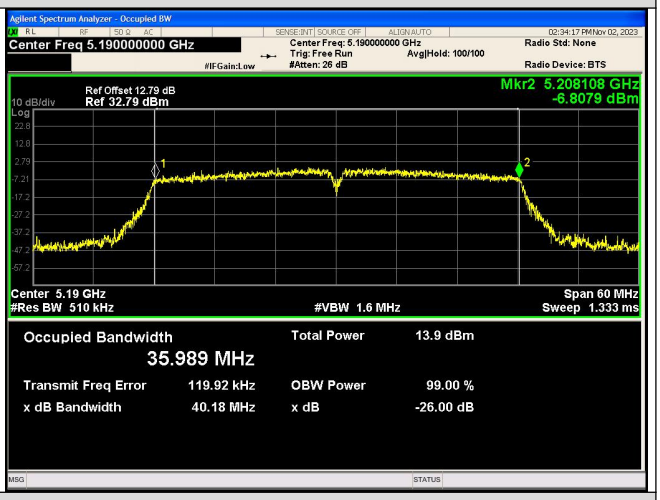
IEEE 802.11ac_Channel 36_20MHz_Antenna 0



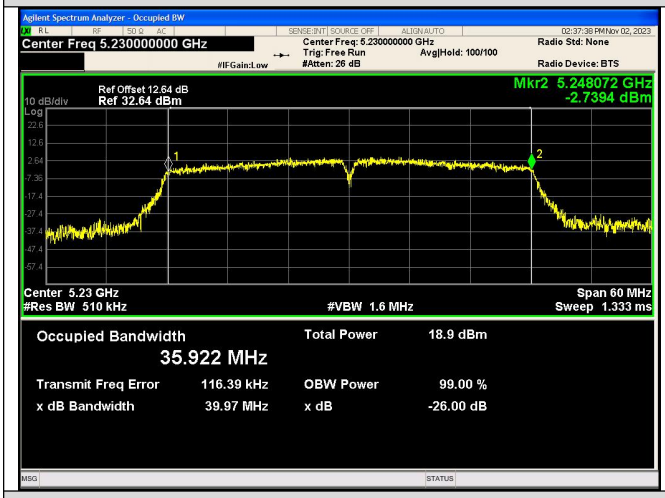
IEEE 802.11ac_Channel 40_20MHz_Antenna 0



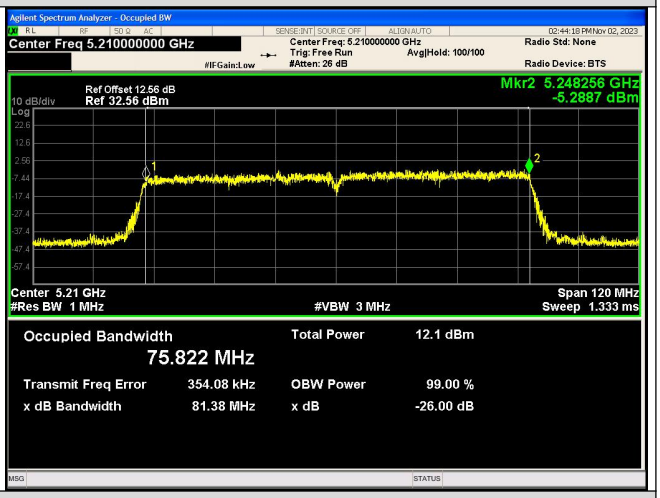
IEEE 802.11ac_Channel 48_20MHz_Antenna 0



IEEE 802.11ac_Channel 38_40MHz_Antenna 0



IEEE 802.11ac_Channel 46_40MHz_Antenna 0



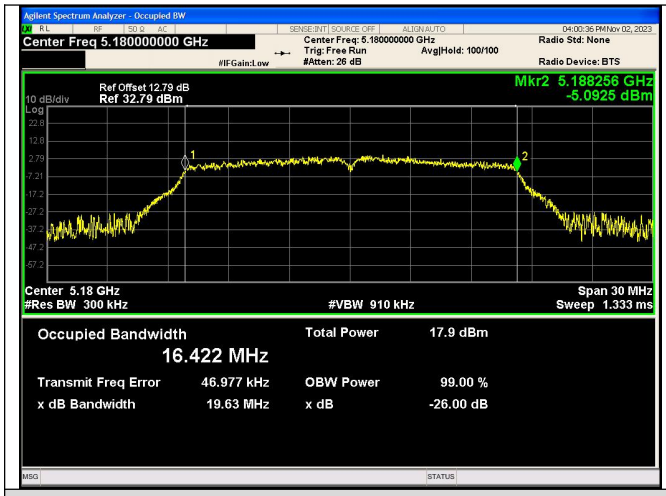
IEEE 802.11ac_Channel 42_80MHz_Antenna 0

Antenna 2:

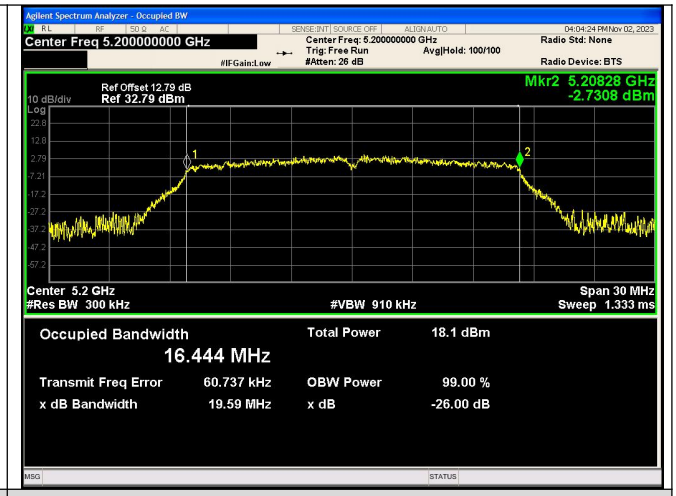
Test Result

Mode	Channel	Ant.	99% BW (MHz)
IEEE 802.11a	36	2	16.422
	40		16.444
	48		16.487
IEEE 802.11n_20	36		17.592
	40		17.568
	48		17.552
IEEE 802.11n_40	38		35.947
	46		35.847
IEEE 802.11ac_20	36		17.578
	40		17.547
	48		17.536
IEEE 802.11ac_40	38		35.927
	46		35.837
IEEE 802.11ac_80	42		75.238

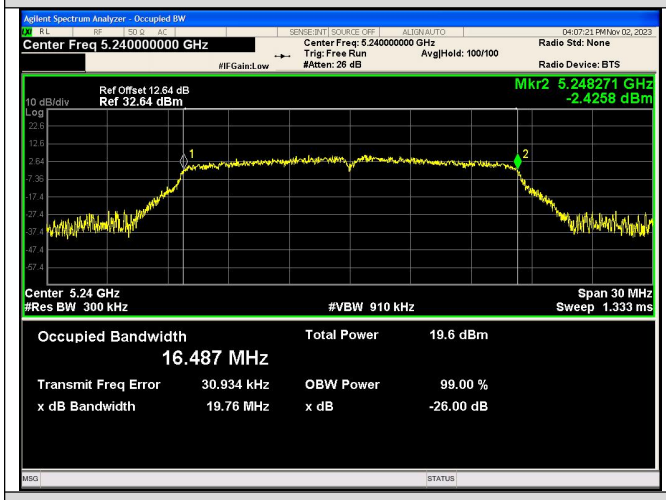
Test Graphs



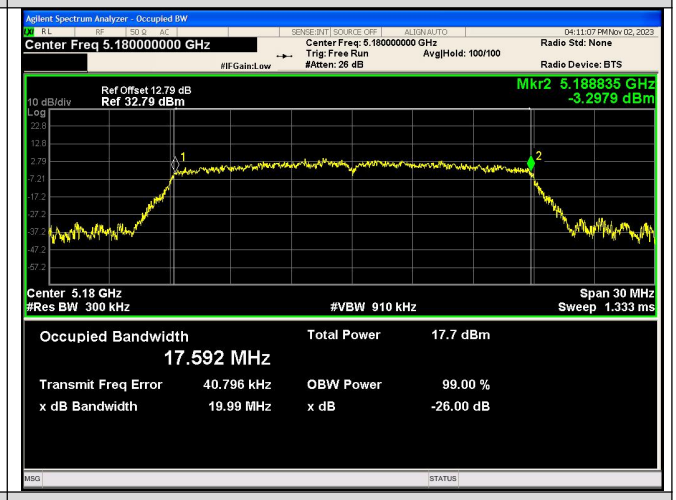
IEEE 802.11a_Channel 36_20MHz_Antenna 0



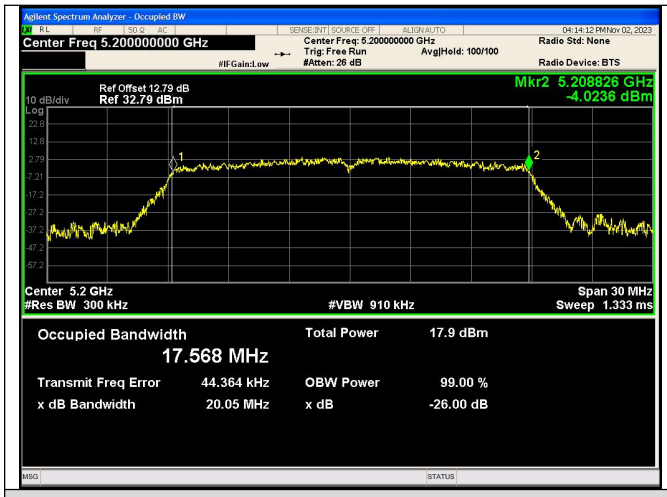
IEEE 802.11a_Channel 40_20MHz_Antenna 0



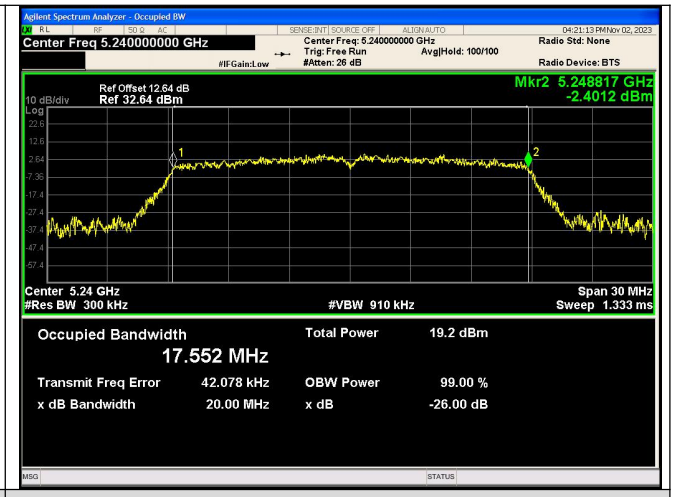
IEEE 802.11a_Channel 48_20MHz_Antenna 0



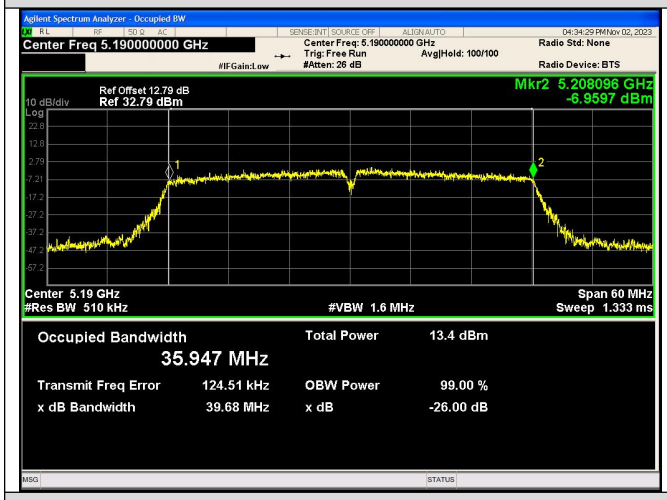
IEEE 802.11n_Channel 36_20MHz_Antenna 0



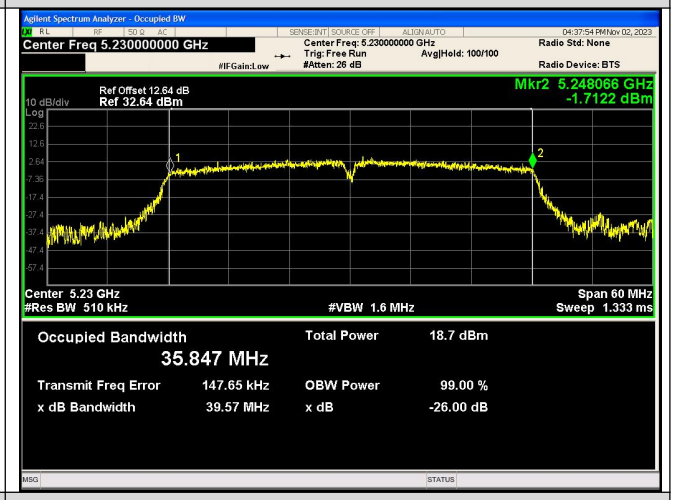
IEEE 802.11n_Channel 40_20MHz_Antenna 0



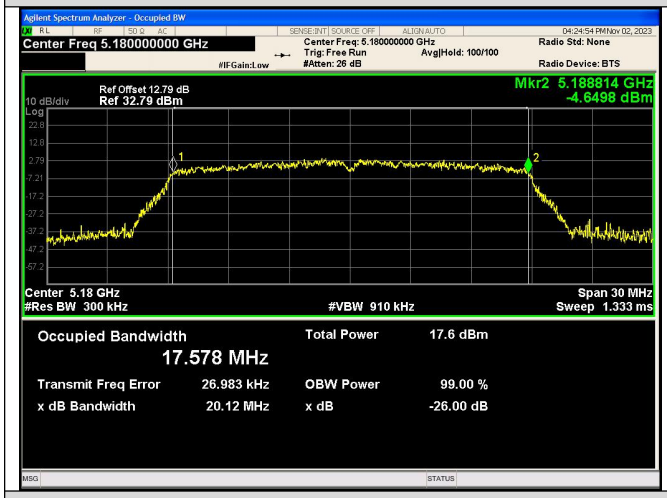
IEEE 802.11n_Channel 48_20MHz_Antenna 0



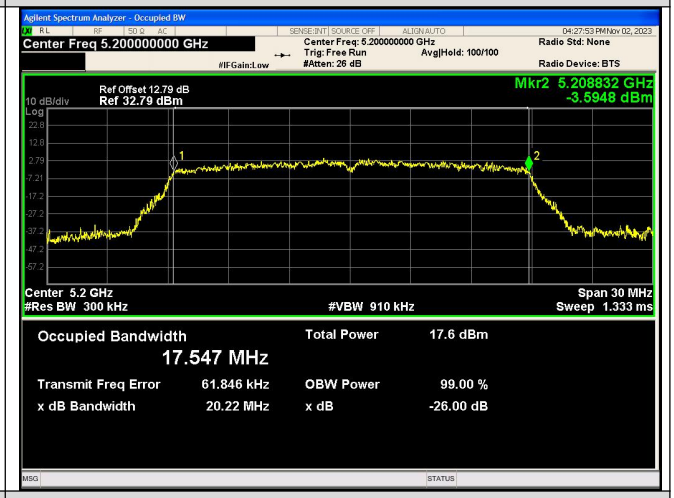
IEEE 802.11n_Channel 38_40MHz_Antenna 0



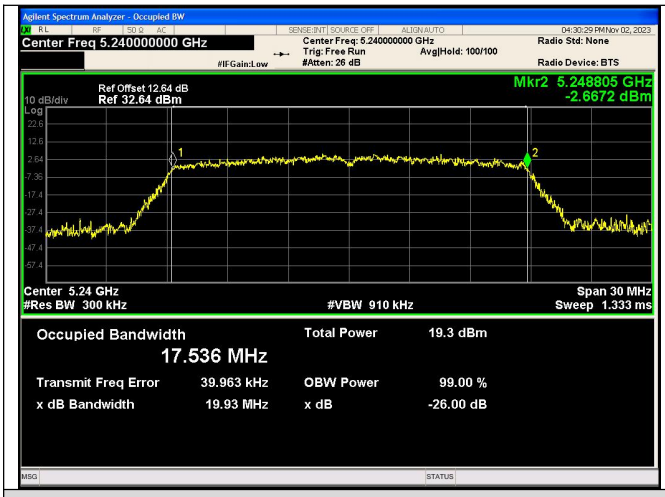
IEEE 802.11n_Channel 46_40MHz_Antenna 0



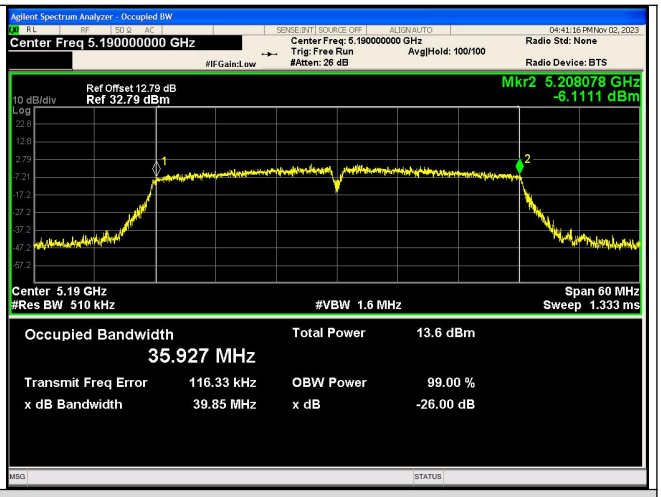
IEEE 802.11ac_Channel 36_20MHz_Antenna 0



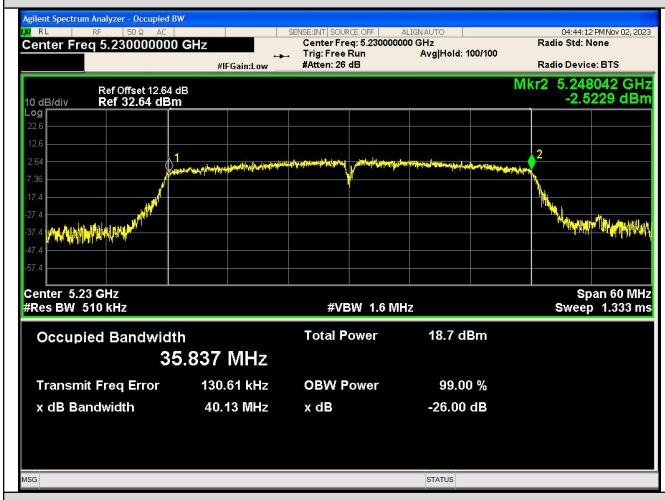
IEEE 802.11ac_Channel 40_20MHz_Antenna 0



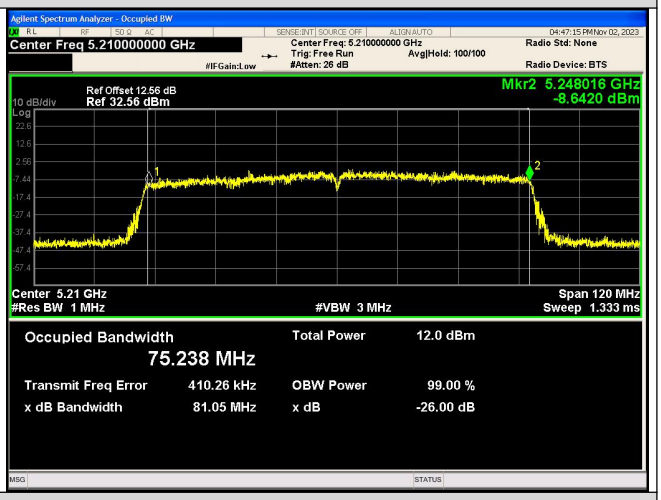
IEEE 802.11ac_Channel 48_20MHz_Antenna 0



IEEE 802.11ac_Channel 38_40MHz_Antenna 0



IEEE 802.11ac_Channel 46_40MHz_Antenna 0



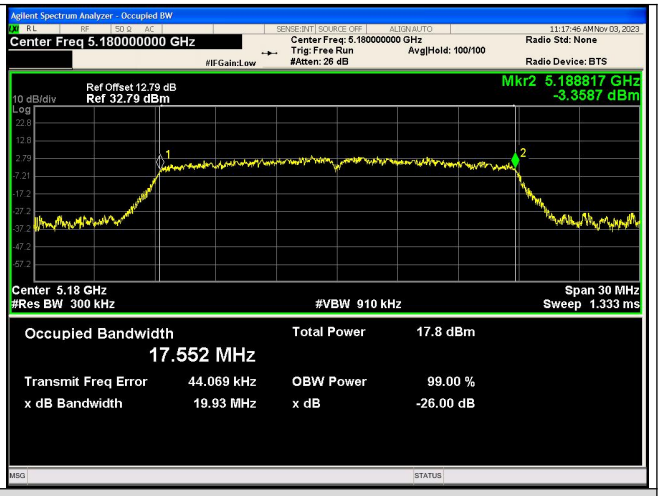
IEEE 802.11ac_Channel 42_80MHz_Antenna 0

Antenna 1+2:

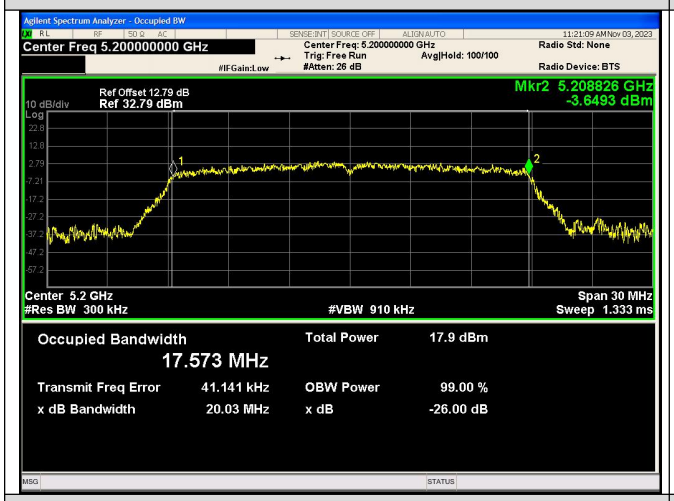
Test Result

Mode	Channel	Ant.	99% BW (MHz)
IEEE 802.11n_20	36	1+2	17.552
	40		17.573
	48		17.597
IEEE 802.11n_40	38		35.979
	46		35.884
IEEE 802.11ac_20	36		17.516
	40		17.571
	48		17.535
IEEE 802.11ac_40	38		35.911
	46		35.836
IEEE 802.11ac_80	42		75.406

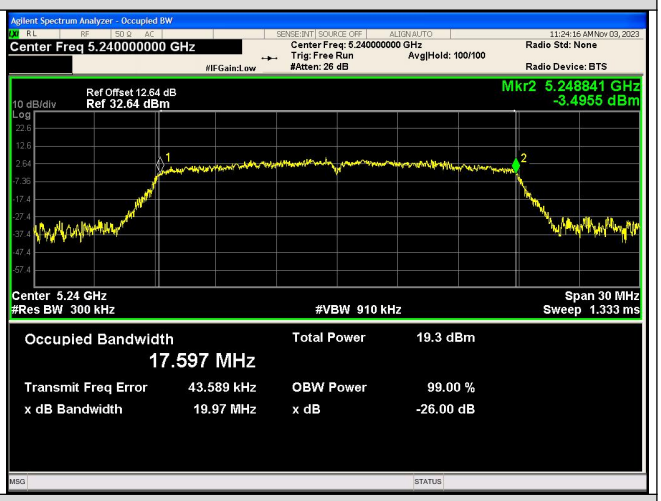
Test Graphs



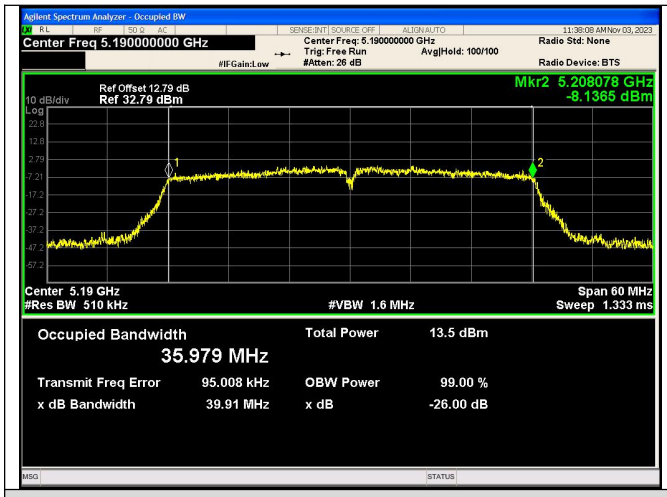
IEEE 802.11n_Channel 36_20MHz_Antenna 0



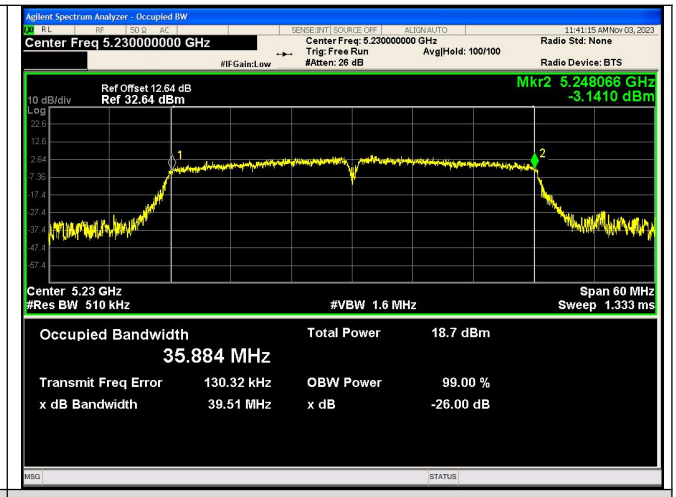
IEEE 802.11n_Channel 40_20MHz_Antenna 0



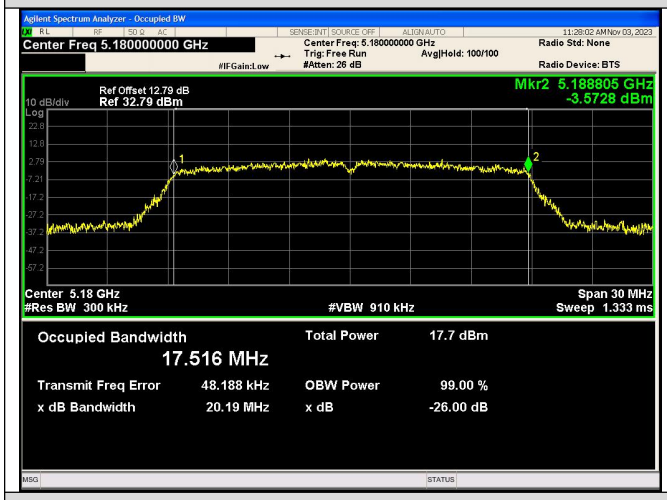
IEEE 802.11n_Channel 48_20MHz_Antenna 0



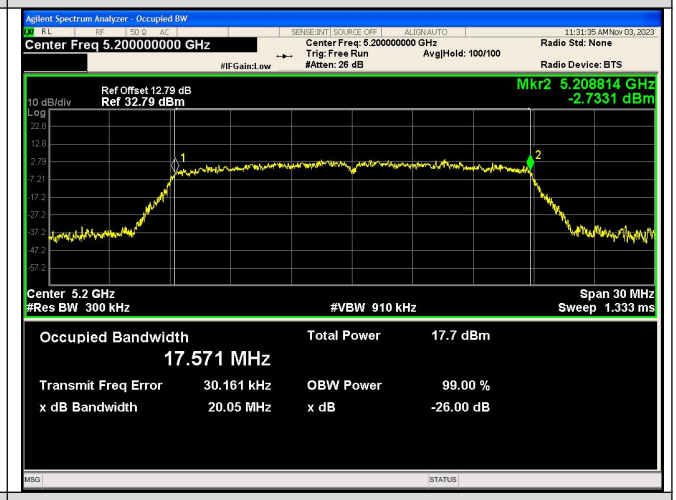
IEEE 802.11n_Channel 38_40MHz_Antenna 0



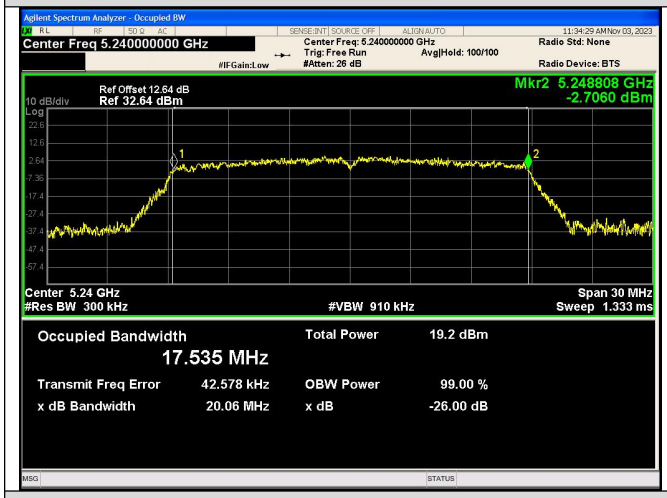
IEEE 802.11n_Channel 46_40MHz_Antenna 0



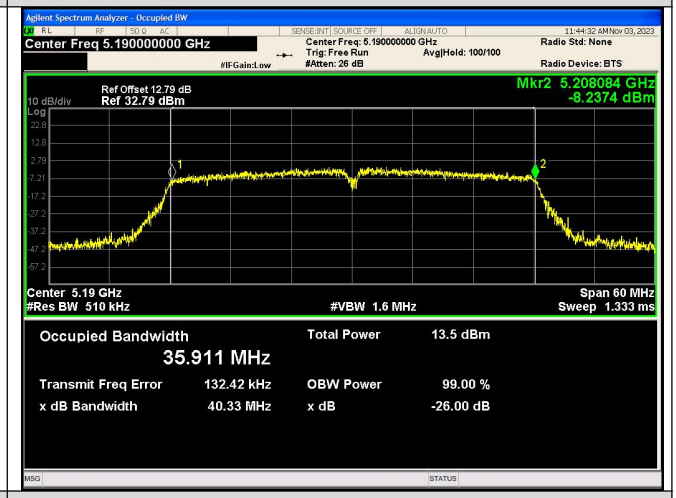
IEEE 802.11ac_Channel 36_20MHz_Antenna 0



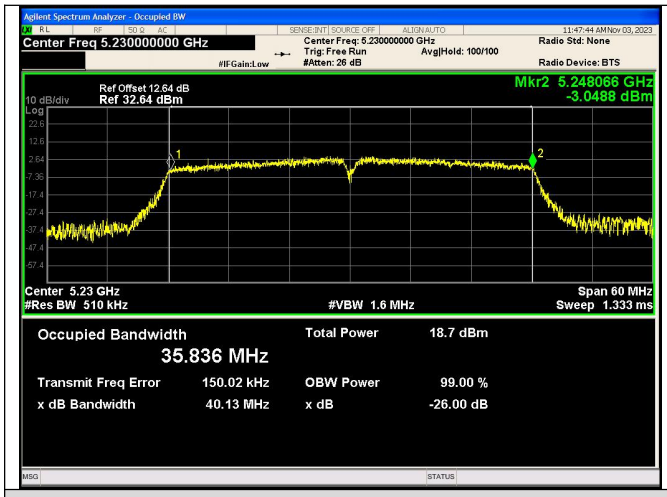
IEEE 802.11ac_Channel 40_20MHz_Antenna 0



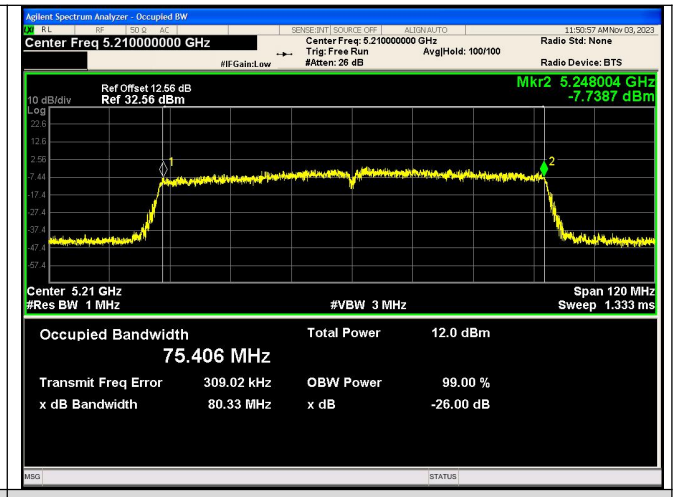
IEEE 802.11ac_Channel 48_20MHz_Antenna 0



IEEE 802.11ac_Channel 38_40MHz_Antenna 0



IEEE 802.11ac_Channel 46_40MHz_Antenna 0



IEEE 802.11ac_Channel 42_80MHz_Antenna 0

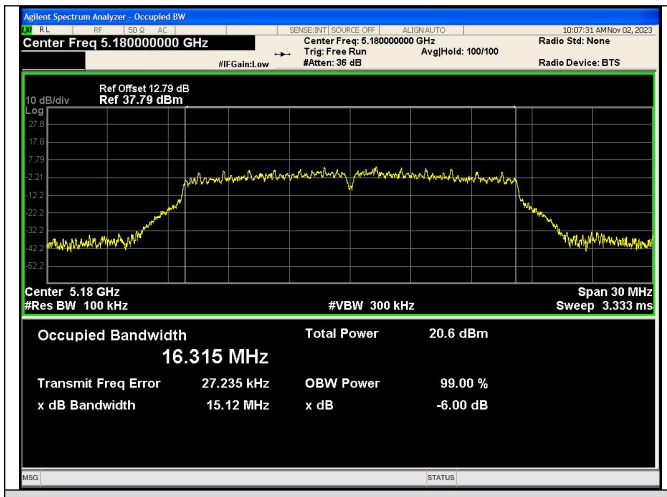
APPENDIX IV.6dB Bandwidth

Antenna 1:

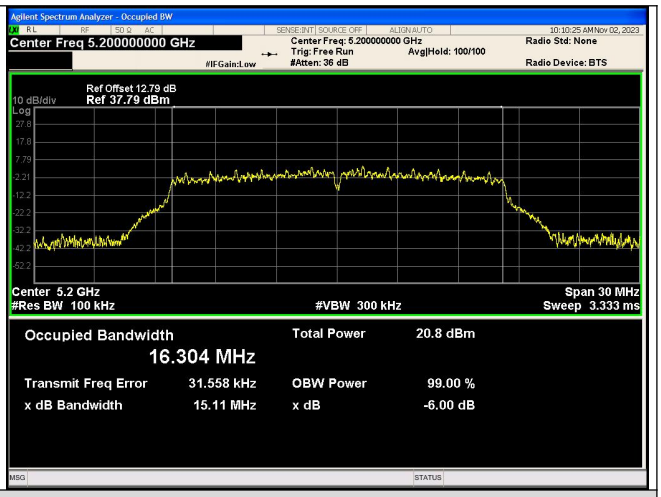
Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11a	36	1	5180	15.12	0.5	PASS
	40		5200	15.11		PASS
	48		5240	15.13		PASS
IEEE 802.11n_20	36		5180	15.11		PASS
	40		5200	15.11		PASS
	48		5240	15.02		PASS
IEEE 802.11n_40	38		5190	35.04		PASS
	46		5230	33.85		PASS
IEEE 802.11ac_20	36		5180	15.09		PASS
	40		5200	15.10		PASS
	48		5240	13.87		PASS
IEEE 802.11ac_40	38		5190	35.09		PASS
	46		5230	33.85		PASS
IEEE 802.11ac_80	42		5210	75.80		PASS

Test Graphs



IEEE 802.11a_Channel 36_20MHz_Antenna 0



IEEE 802.11a_Channel 40_20MHz_Antenna 0