Antenna 1+2:

Test Result

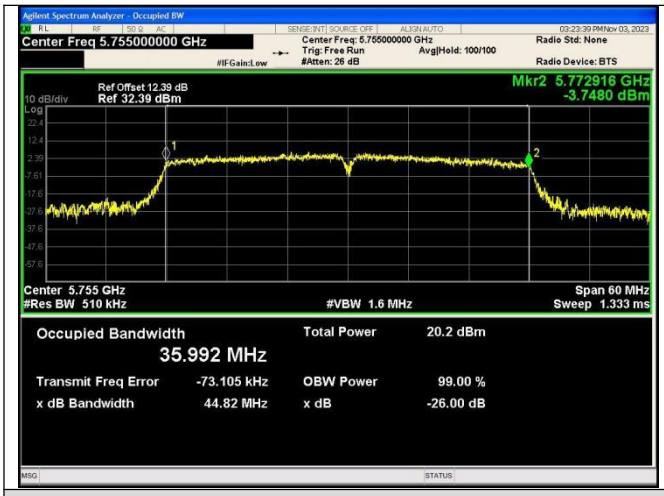
Mode	Channel	Ant.	99% BW (MHz)
IEEE 802.11n_20	149	1+2	17.649
	157		17.576
	165		17.637
IEEE 802.11n_40	151		35.992
	159		35.851
IEEE 802.11ac_20	149		17.657
	157		17.565
	165		17.590
IEEE 802.11ac_40	151		36.022
	159		35.883
IEEE 802.11ac_80	155		75.070

Test Graphs

IEEE 802.11n_Channel 149_20MHz_Antenna 0

IEEE 802.11n_Channel 157_20MHz_Antenna 0

IEEE 802.11n_Channel 165_20MHz_Antenna 0



IEEE 802.11n_Channel 151_40MHz_Antenna 0

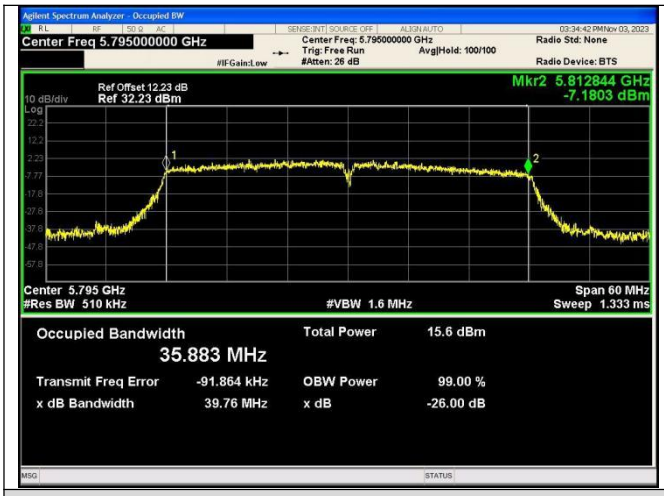
IEEE 802.11n_Channel 159_40MHz_Antenna 0

IEEE 802.11ac_Channel 149_20MHz_Antenna 0

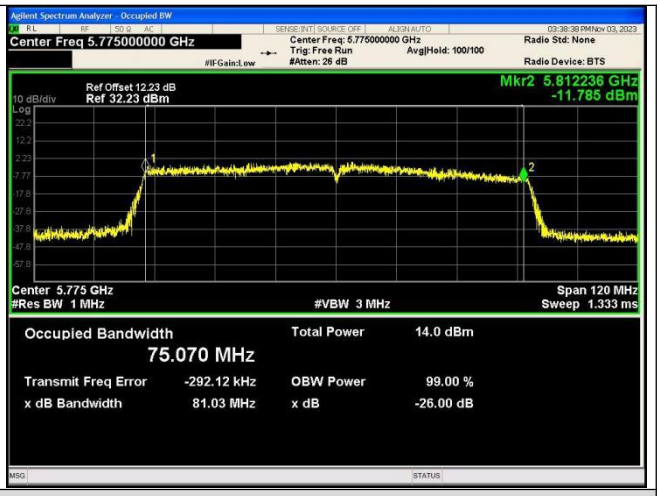
IEEE 802.11ac_Channel 157_20MHz_Antenna 0

IEEE 802.11ac_Channel 165_20MHz_Antenna 0

IEEE 802.11ac_Channel 151_40MHz_Antenna 0



IEEE 802.11ac_Channel 159_40MHz_Antenna 0



IEEE 802.11ac_Channel 155_80MHz_Antenna 0

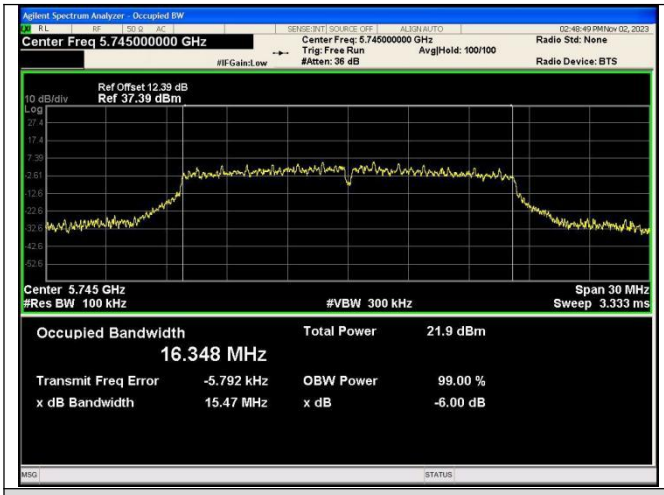
APPENDIX IV.6dB Bandwidth

Antenna 1:

Test Result

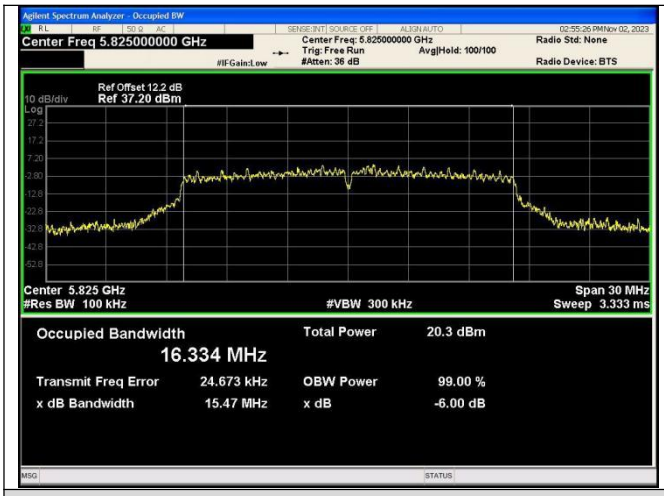
Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11a	149	1	5745	15.47	0.5	PASS
	157		5785	15.11		PASS
	165		5825	15.47		PASS
IEEE 802.11n_20	149		5745	15.11		PASS
	157		5785	15.08		PASS
	165		5825	15.10		PASS
IEEE 802.11n_40	151		5755	35.36		PASS
	159		5795	32.55		PASS
IEEE 802.11ac_20	149		5745	15.12		PASS
	157		5785	15.10		PASS
	165		5825	15.11		PASS
IEEE 802.11ac_40	151		5755	35.10		PASS
	159		5795	35.07		PASS
IEEE 802.11ac_80	155		5775	68.85		PASS

Test Graphs

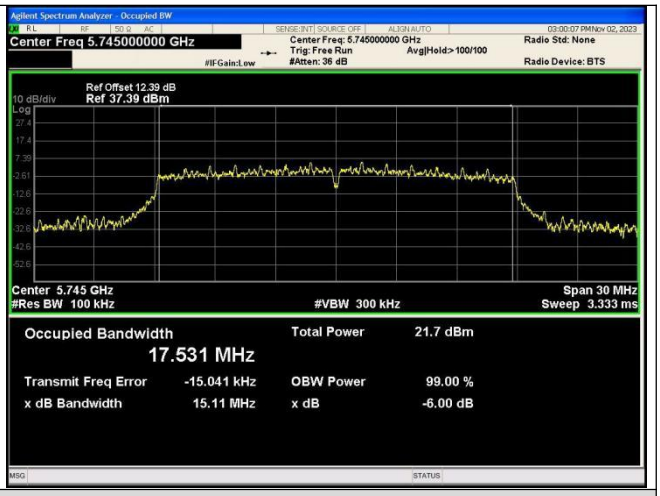


IEEE 802.11a_Channel 149_20MHz_Antenna 0

IEEE 802.11a_Channel 157_20MHz_Antenna 0

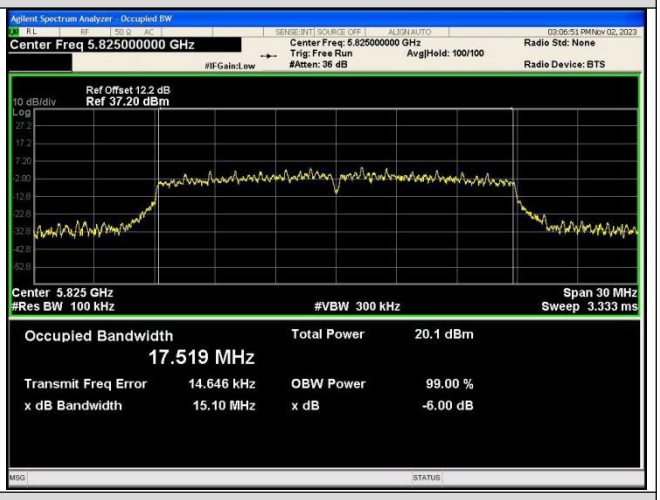


IEEE 802.11a_Channel 165_20MHz_Antenna 0

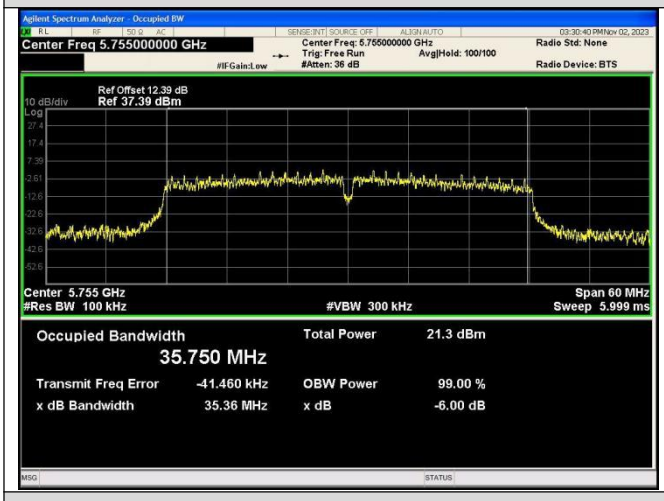


IEEE 802.11n_Channel 149_20MHz_Antenna 0

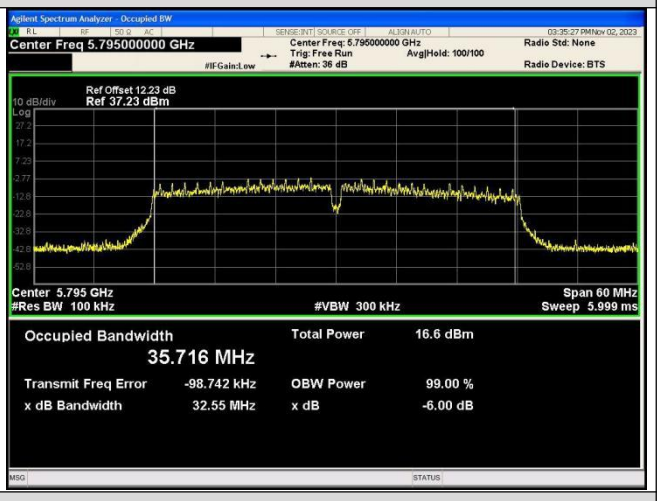
IEEE 802.11n_Channel 157_20MHz_Antenna 0



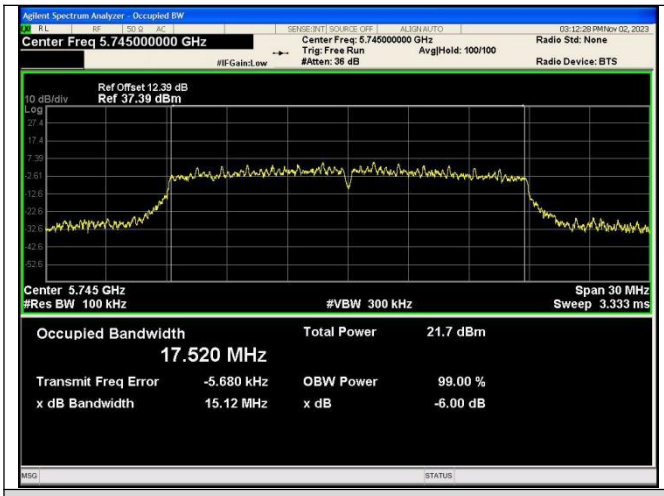
IEEE 802.11n_Channel 165_20MHz_Antenna 0



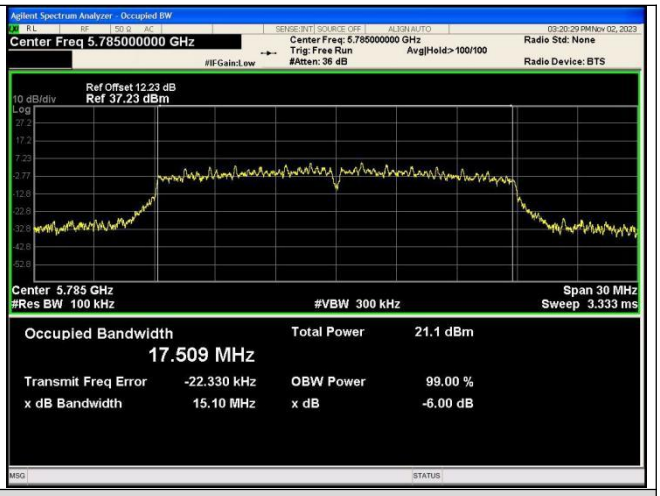
IEEE 802.11n_Channel 151_40MHz_Antenna 0



IEEE 802.11n_Channel 159_40MHz_Antenna 0

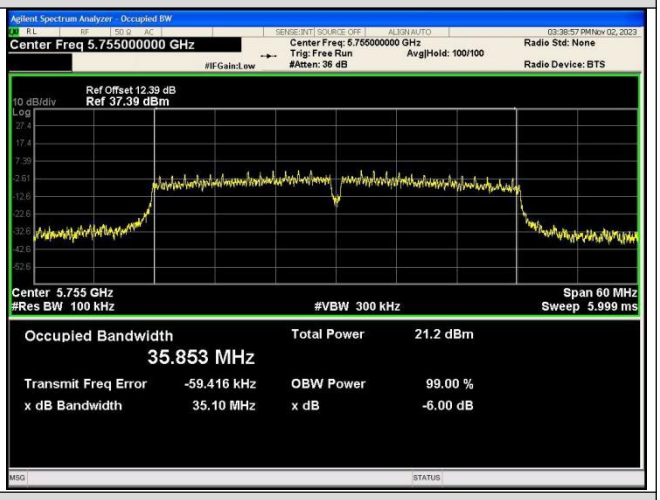


IEEE 802.11ac_Channel 149_20MHz_Antenna 0

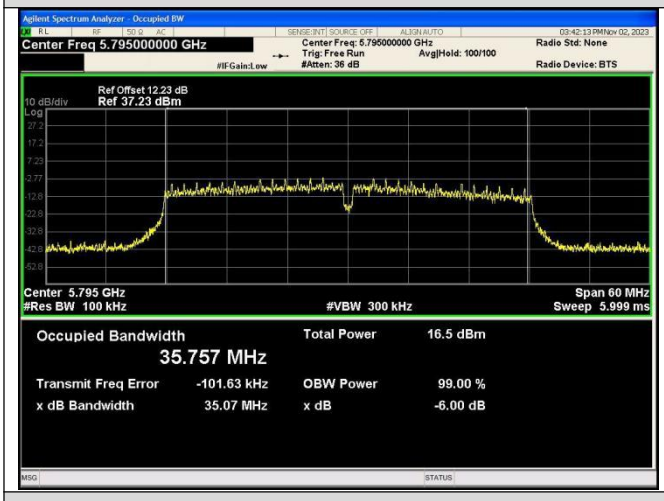


IEEE 802.11ac_Channel 157_20MHz_Antenna 0

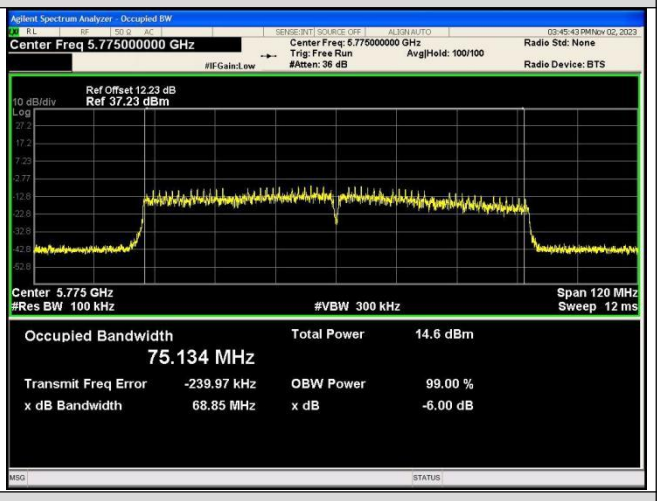
IEEE 802.11ac_Channel 165_20MHz_Antenna 0



IEEE 802.11ac_Channel 151_40MHz_Antenna 0



IEEE 802.11ac_Channel 159_40MHz_Antenna 0



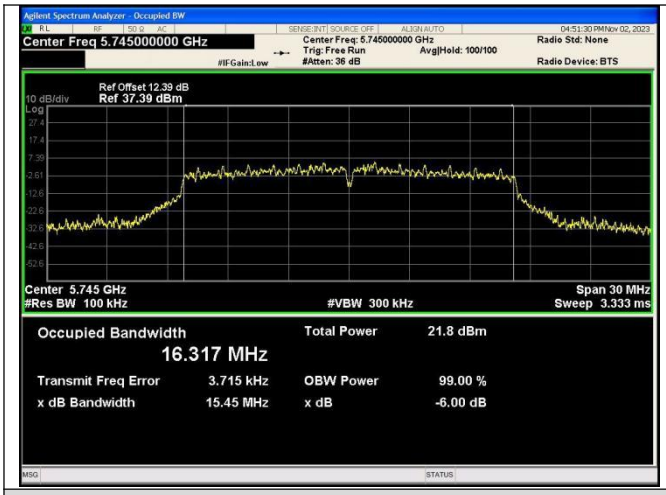
IEEE 802.11ac_Channel 155_80MHz_Antenna 0

Antenna 2:

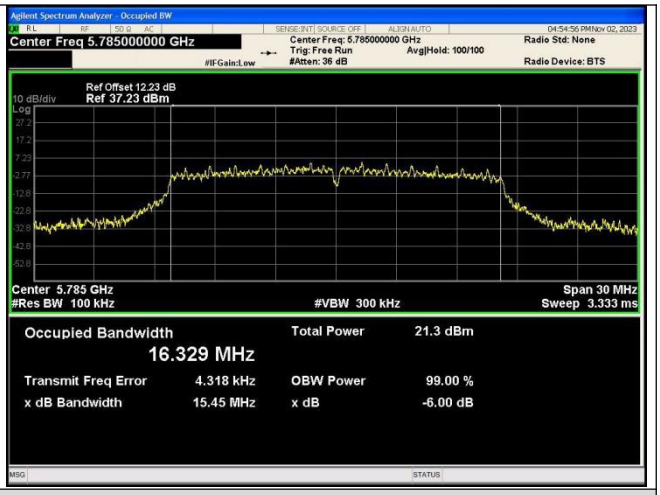
Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11a	149	2	5745	15.45	0.5	PASS
	157		5785	15.45		PASS
	165		5825	15.10		PASS
IEEE 802.11n_20	149		5745	15.64		PASS
	157		5785	15.09		PASS
	165		5825	15.11		PASS
IEEE 802.11n_40	151		5755	35.09		PASS
	159		5795	32.59		PASS
IEEE 802.11ac_20	149		5745	15.11		PASS
	157		5785	15.10		PASS
	165		5825	15.10		PASS
IEEE 802.11ac_40	151		5755	35.09		PASS
	159		5795	32.54		PASS
IEEE 802.11ac_80	155		5775	70.07		PASS

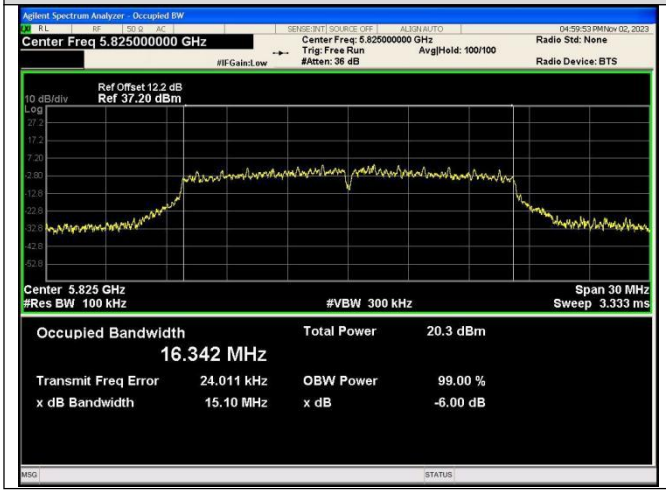
Test Graphs

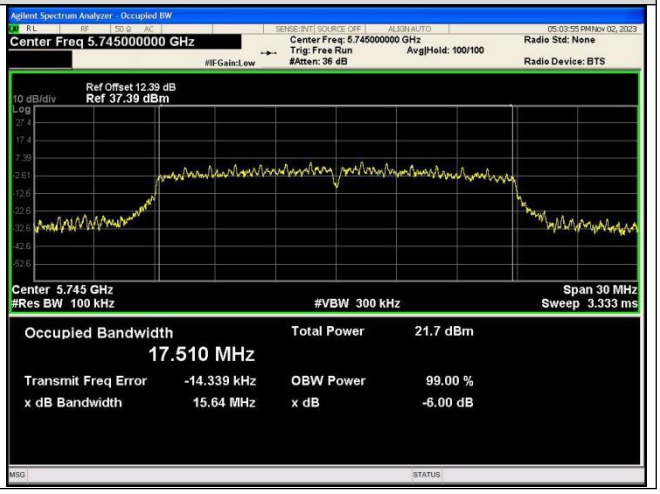


IEEE 802.11a_Channel 149_20MHz_Antenna 0

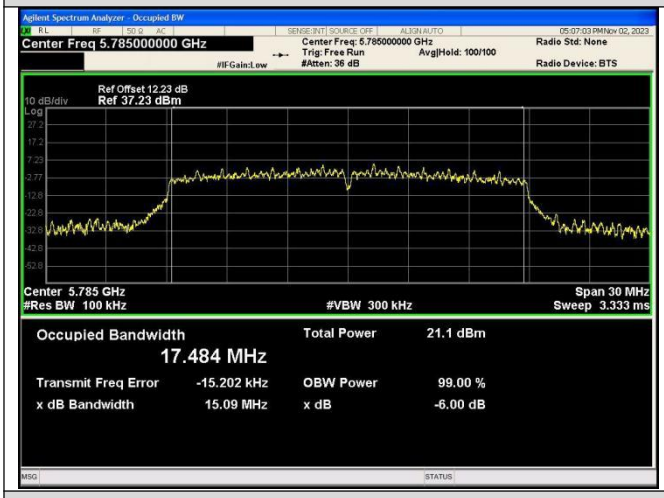


IEEE 802.11a_Channel 157_20MHz_Antenna 0

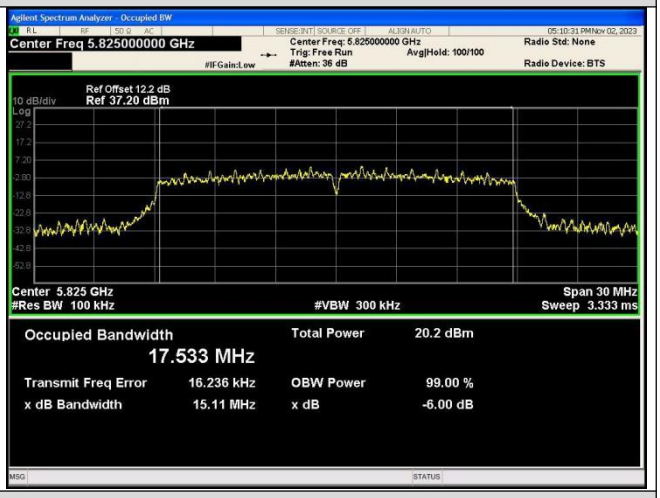




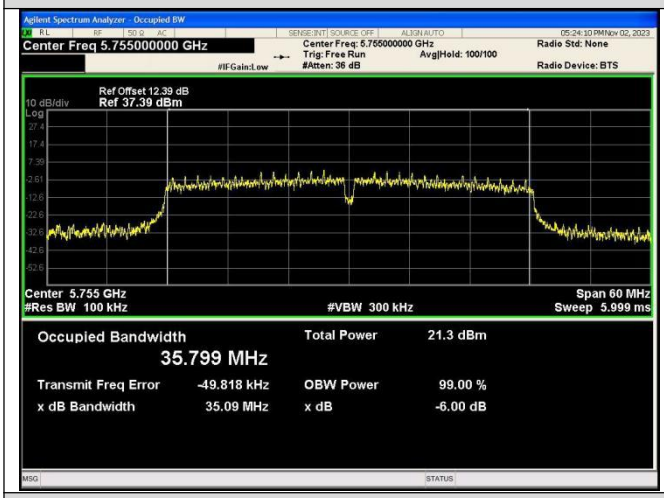
IEEE 802.11a_Channel 165_20MHz_Antenna 0



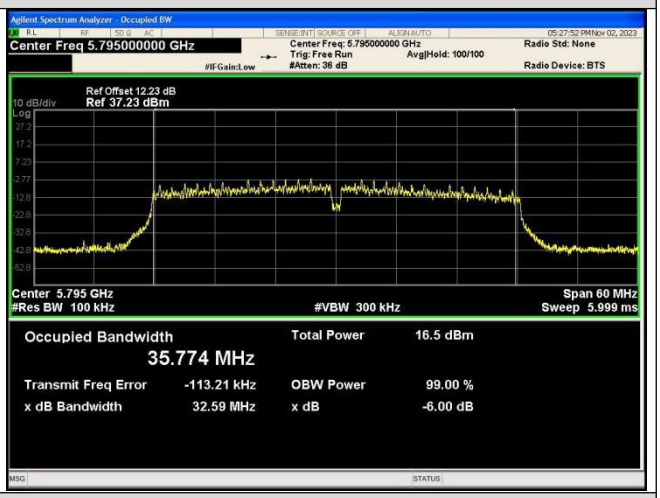
IEEE 802.11n_Channel 149_20MHz_Antenna 0



IEEE 802.11n_Channel 157_20MHz_Antenna 0

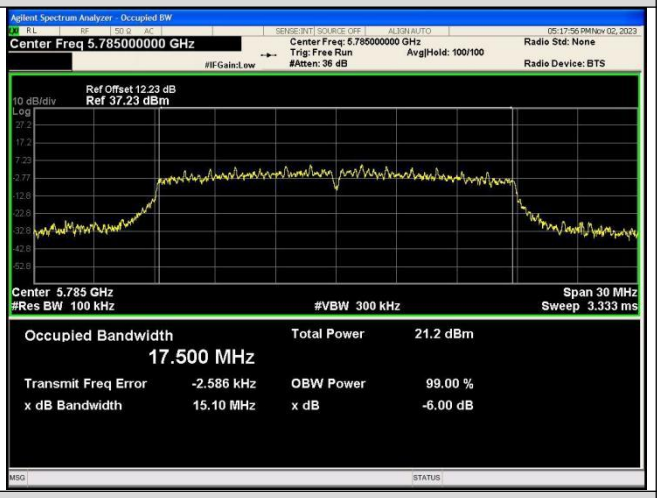


IEEE 802.11n_Channel 165_20MHz_Antenna 0



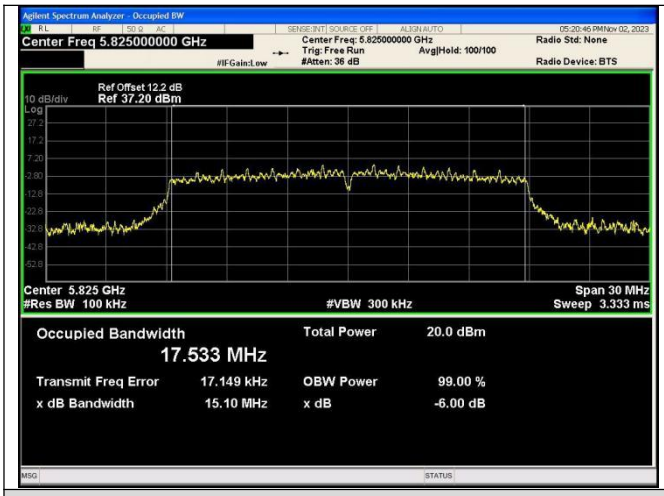
IEEE 802.11n_Channel 151_40MHz_Antenna 0

IEEE 802.11n_Channel 159_40MHz_Antenna 0

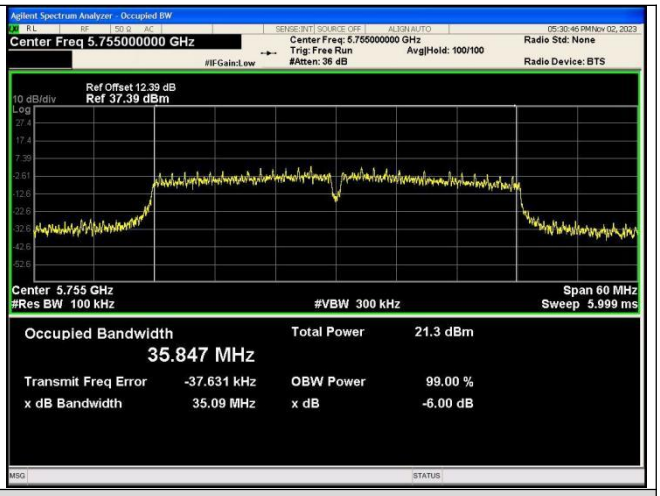


IEEE 802.11ac_Channel 149_20MHz_Antenna 0

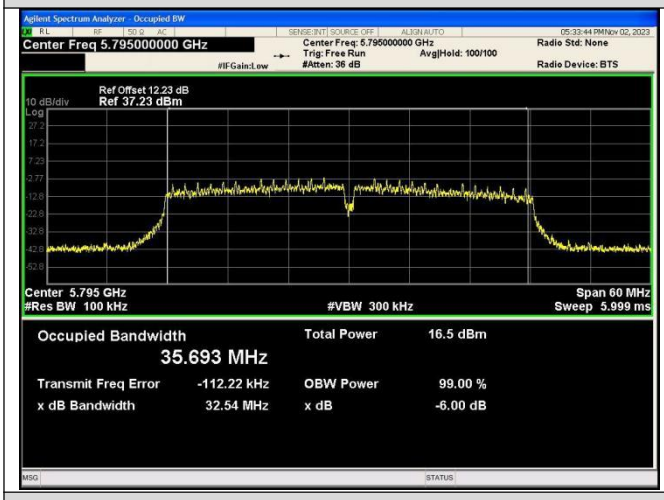
IEEE 802.11ac_Channel 157_20MHz_Antenna 0



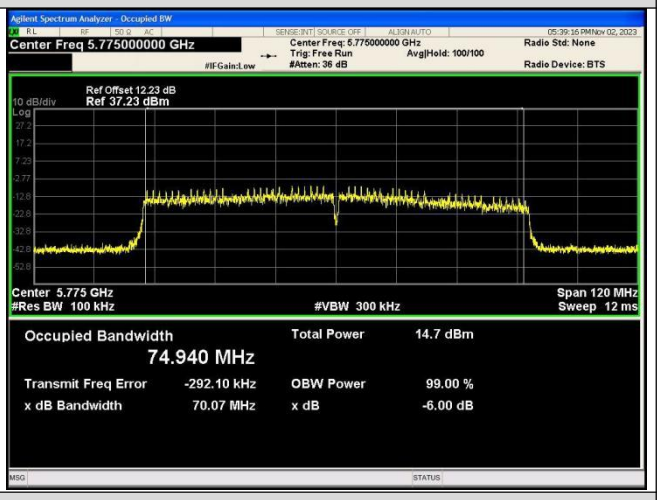
IEEE 802.11ac_Channel 165_20MHz_Antenna 0



IEEE 802.11ac_Channel 151_40MHz_Antenna 0



IEEE 802.11ac_Channel 159_40MHz_Antenna 0



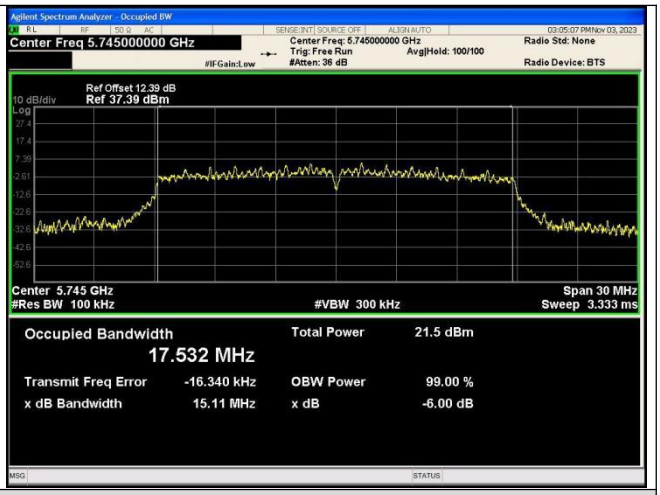
IEEE 802.11ac_Channel 155_80MHz_Antenna 0

Antenna 1+2:

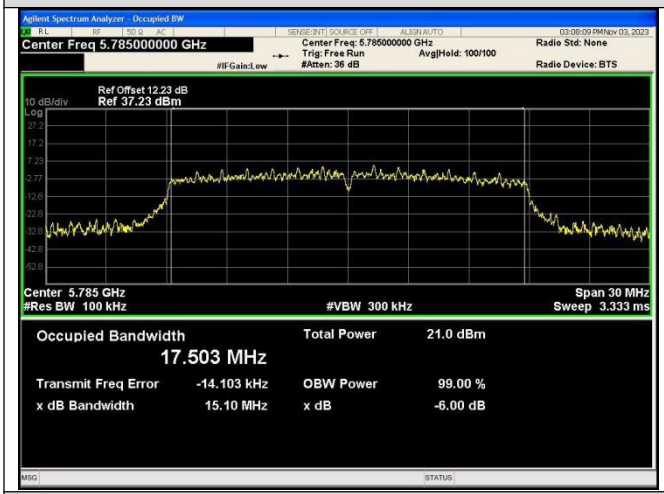
Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11n_20	149	1+2	5745	15.11	0.5	PASS
	157		5785	15.10		PASS
	165		5825	15.11		PASS
IEEE 802.11n_40	151		5755	35.07		PASS
	159		5795	35.05		PASS
IEEE 802.11ac_20	149		5745	15.07		PASS
	157		5785	15.10		PASS
	165		5825	15.11		PASS
IEEE 802.11ac_40	151		5755	35.08		PASS
	159		5795	32.56		PASS
IEEE 802.11ac_80	155		5775	68.88		PASS

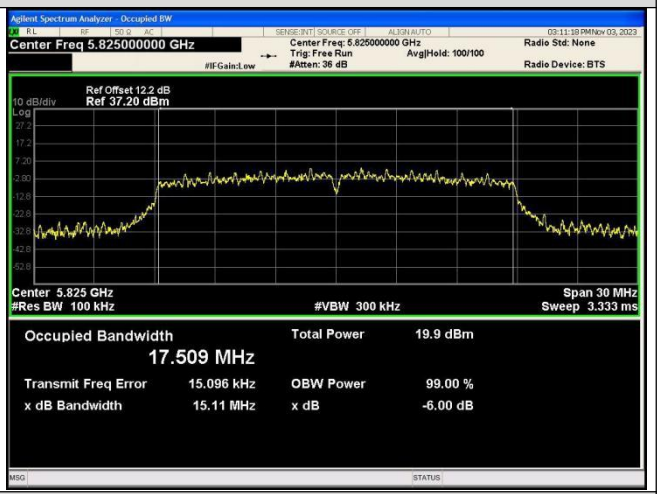
Test Graphs



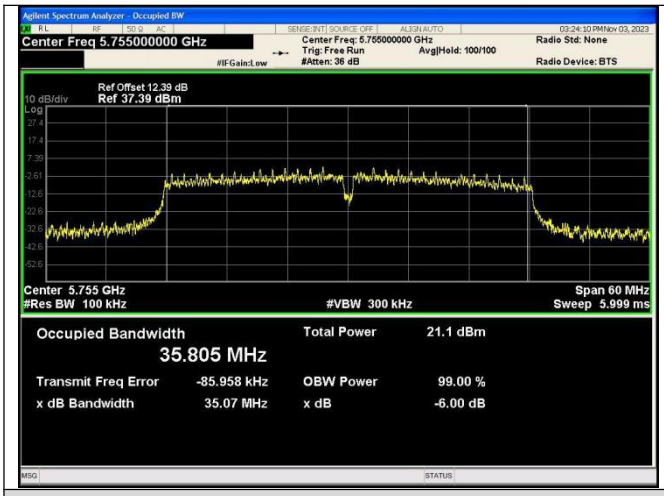
IEEE 802.11n_Channel 149_20MHz_Antenna 0



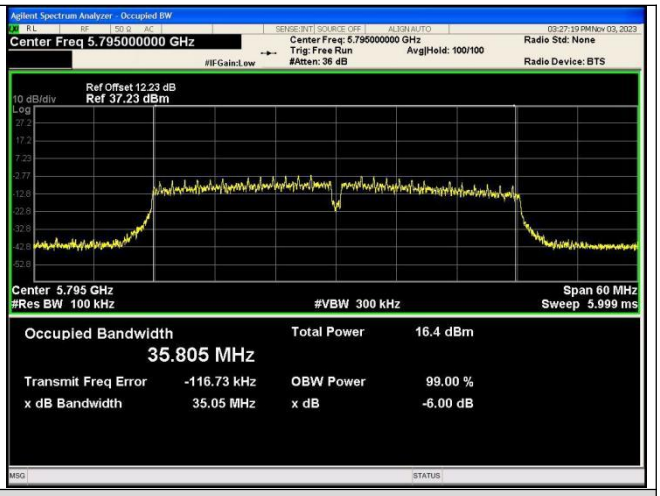
IEEE 802.11n_Channel 157_20MHz_Antenna 0



IEEE 802.11n_Channel 165_20MHz_Antenna 0

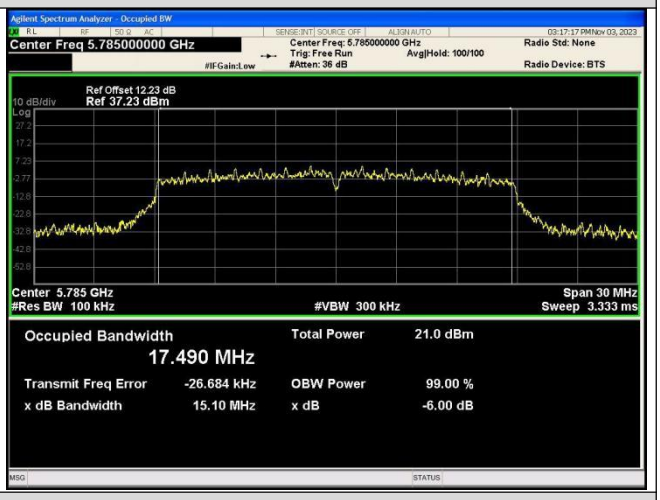


IEEE 802.11n_Channel 151_40MHz_Antenna 0



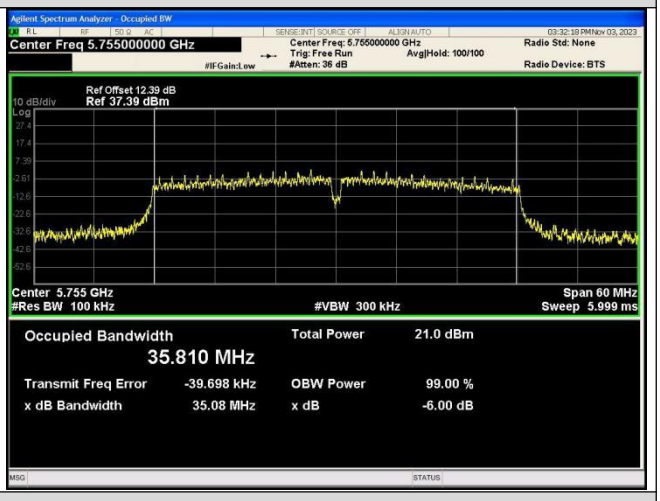
IEEE 802.11n_Channel 159_40MHz_Antenna 0

IEEE 802.11ac_Channel 149_20MHz_Antenna 0

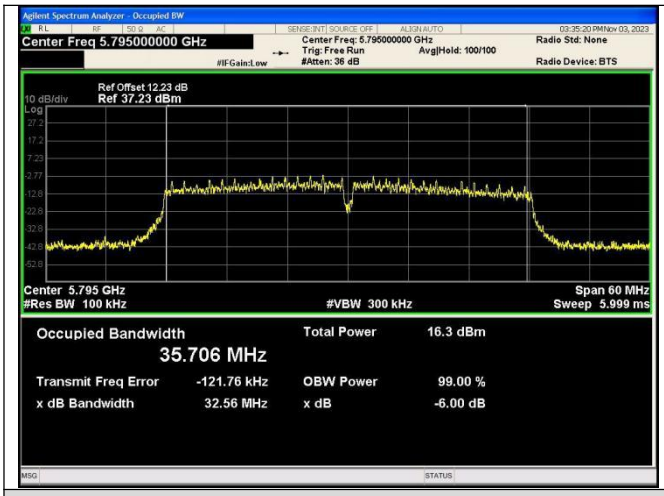


IEEE 802.11ac_Channel 157_20MHz_Antenna 0

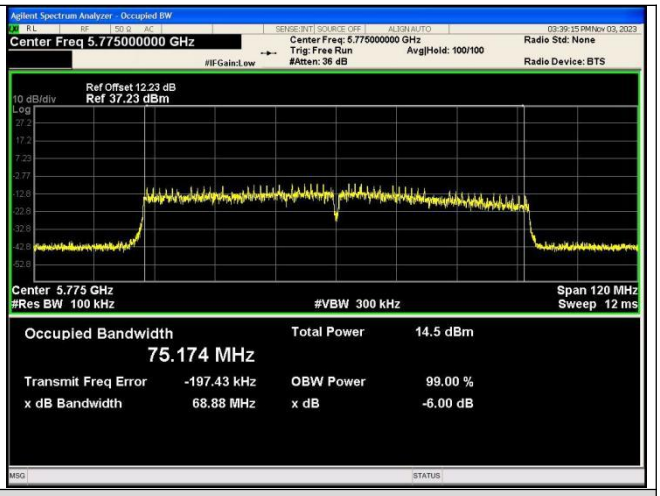
IEEE 802.11ac_Channel 165_20MHz_Antenna 0



IEEE 802.11ac_Channel 151_40MHz_Antenna 0



IEEE 802.11ac_Channel 159_40MHz_Antenna 0



IEEE 802.11ac_Channel 155_80MHz_Antenna 0

APPENDIX V.26dB Bandwidth

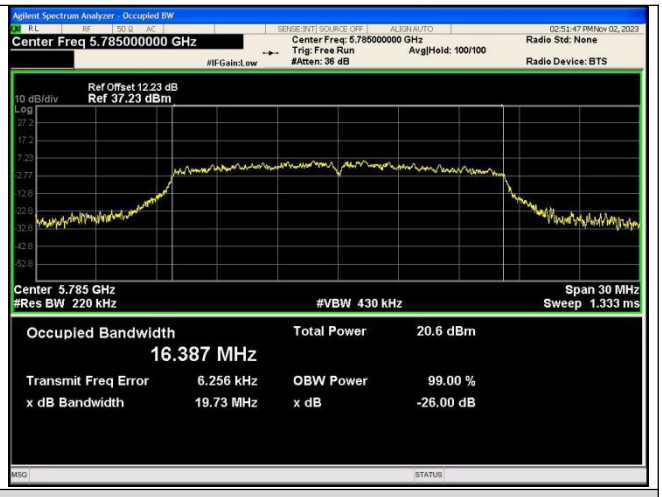
Antenna 1:

Test Result

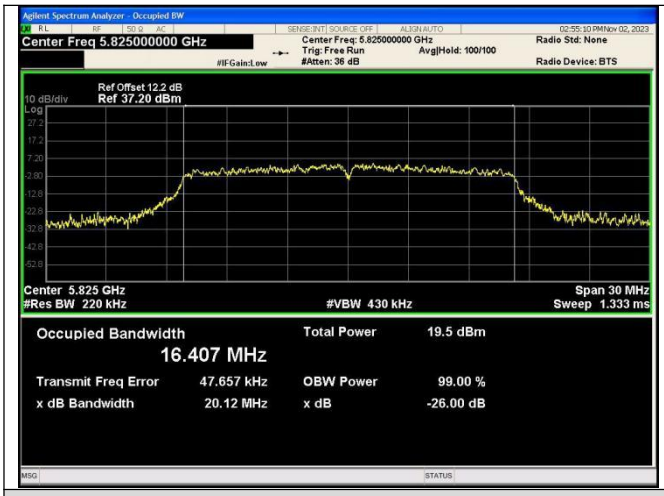
Mode	Channel	Ant.	Center Frequency (MHz)	26 dB Bandwidth (MHz)	RBW/EBW
IEEE 802.11a	149	1	5745	19.58	1.1
	157		5785	19.73	1.14
	165		5825	20.12	1.07
IEEE 802.11n_20	149		5745	20.03	1.11
	157		5785	19.61	1.13
	165		5825	19.69	1.13
IEEE 802.11n_40	151		5755	43.99	1.16
	159		5795	39.90	1.06
IEEE 802.11ac_20	149		5745	20.04	1.11
	157		5785	20.16	1.11
	165		5825	19.98	1.12
IEEE 802.11ac_40	151		5755	40.44	1.05
	159		5795	39.62	1.06
IEEE 802.11ac_80	155		5775	80.67	1.03

Test Graphs

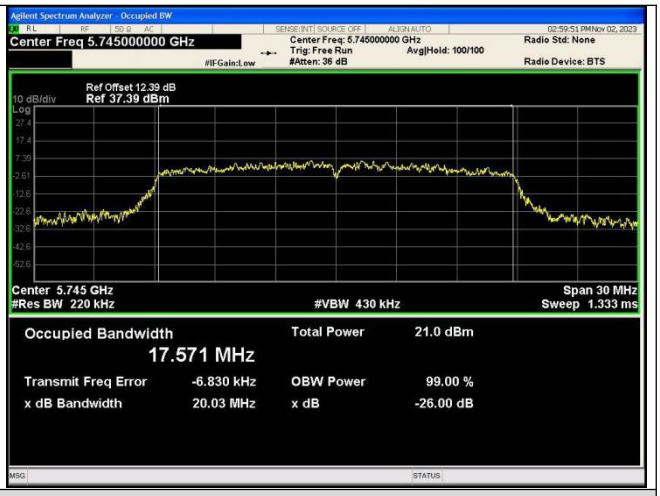
IEEE 802.11a_Channel 149_20MHz_Antenna 0



IEEE 802.11a_Channel 157_20MHz_Antenna 0



IEEE 802.11a_Channel 165_20MHz_Antenna 0

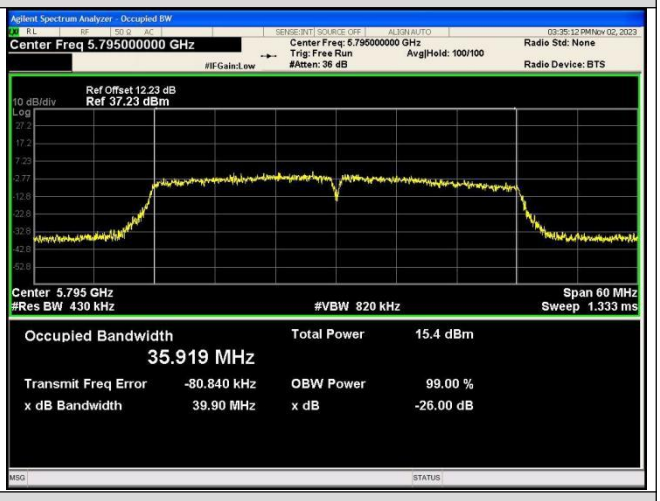


IEEE 802.11n_Channel 149_20MHz_Antenna 0

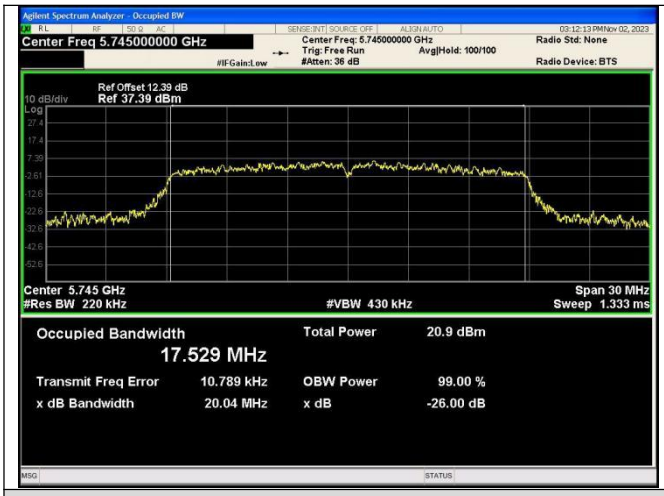
IEEE 802.11n_Channel 157_20MHz_Antenna 0

IEEE 802.11n_Channel 165_20MHz_Antenna 0

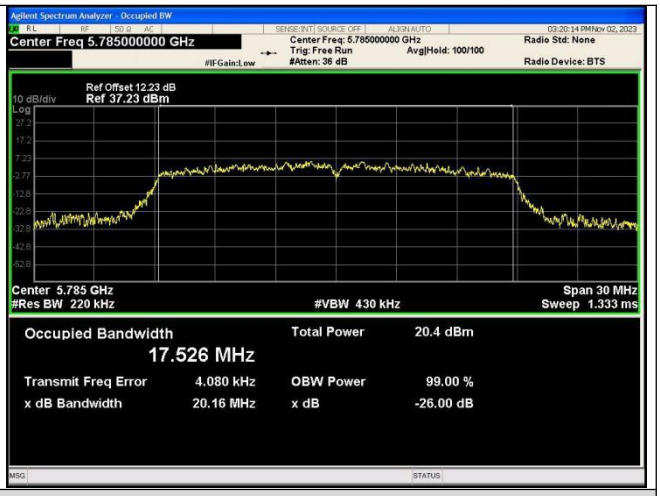
IEEE 802.11n_Channel 151_40MHz_Antenna 0



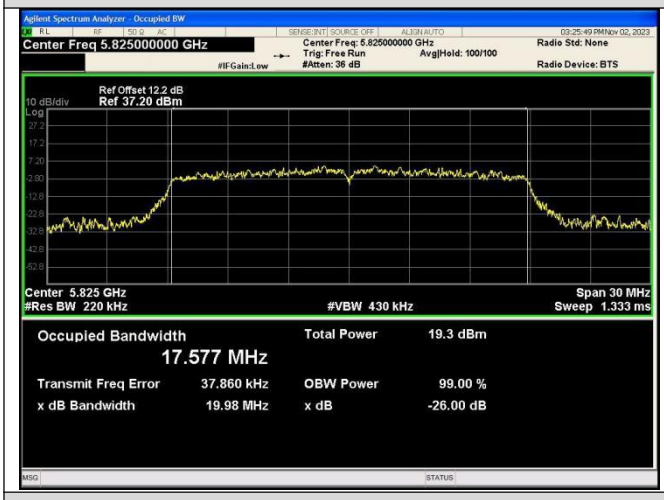
IEEE 802.11n_Channel 159_40MHz_Antenna 0



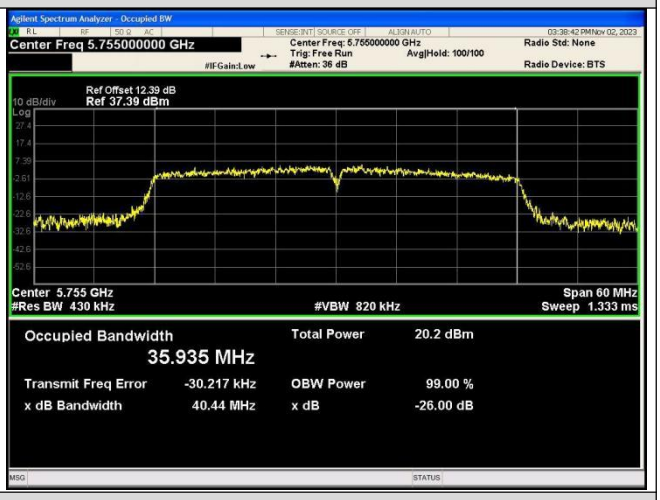
IEEE 802.11ac_Channel 149_20MHz_Antenna 0



IEEE 802.11ac_Channel 157_20MHz_Antenna 0

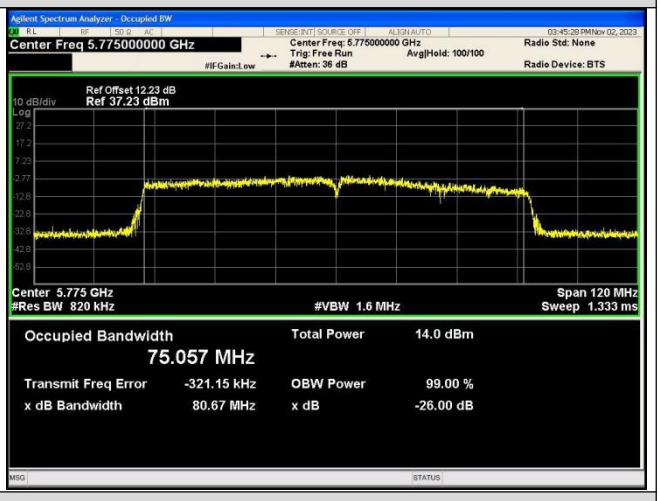


IEEE 802.11ac_Channel 165_20MHz_Antenna 0



IEEE 802.11ac_Channel 151_40MHz_Antenna 0

IEEE 802.11ac_Channel 159_40MHz_Antenna 0



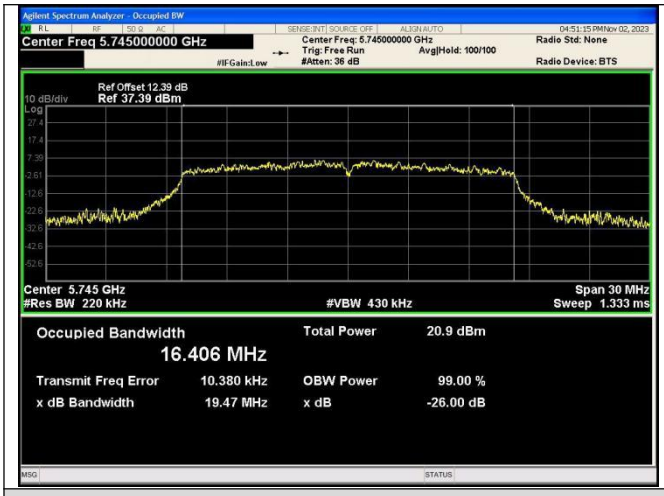
IEEE 802.11ac_Channel 155_80MHz_Antenna 0

Antenna 2:

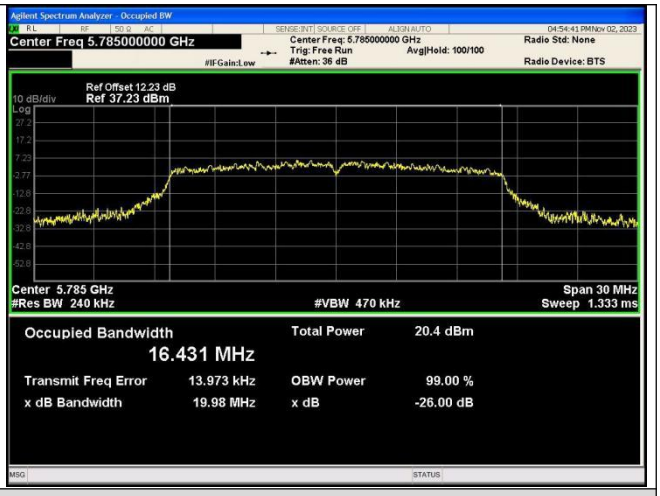
Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	26 dB Bandwidth (MHz)	RBW/EBW
IEEE 802.11a	149	0	5745	19.47	1.11
	157		5785	19.98	1.2
	165		5825	19.98	1.15
IEEE 802.11n_20	149		5745	19.77	1.13
	157		5785	19.70	1.13
	165		5825	20.40	1.1
IEEE 802.11n_40	151		5755	44.29	1.15
	159		5795	39.58	1.06
IEEE 802.11ac_20	149		5745	20.08	1.13
	157		5785	20.08	1.11
	165		5825	20.00	1.11
IEEE 802.11ac_40	151		5755	42.76	1.19
	159		5795	39.90	1.06
IEEE 802.11ac_80	155		5775	80.39	1.03

Test Graphs



IEEE 802.11a_Channel 149_20MHz_Antenna 0



IEEE 802.11a_Channel 157_20MHz_Antenna 0

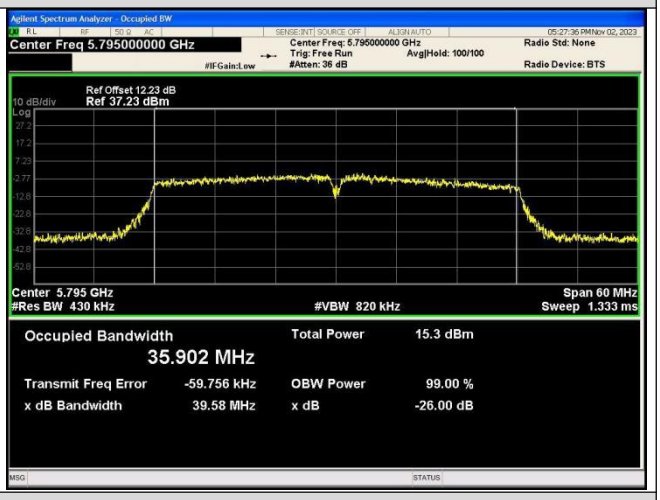
IEEE 802.11a_Channel 165_20MHz_Antenna 0

IEEE 802.11n_Channel 149_20MHz_Antenna 0

IEEE 802.11n_Channel 157_20MHz_Antenna 0

IEEE 802.11n_Channel 165_20MHz_Antenna 0

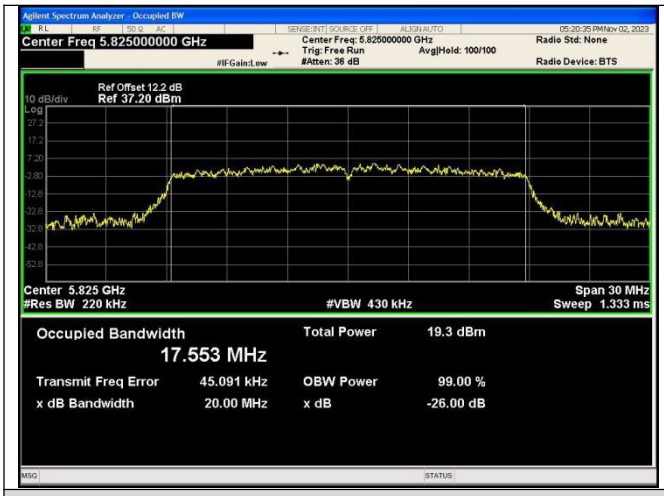
IEEE 802.11n_Channel 151_40MHz_Antenna 0



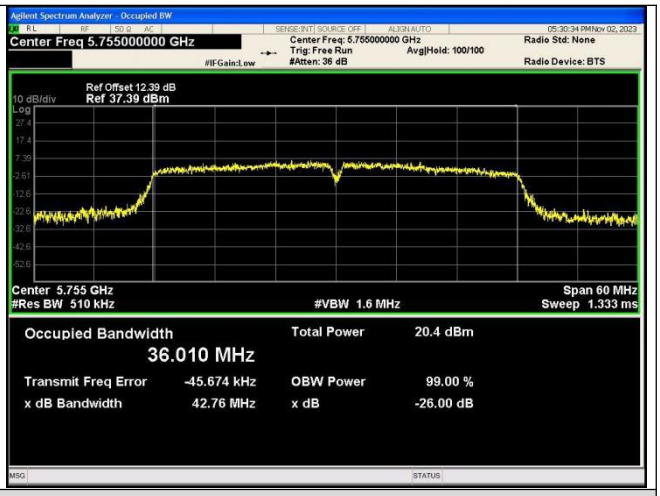
IEEE 802.11n_Channel 159_40MHz_Antenna 0

IEEE 802.11ac_Channel 149_20MHz_Antenna 0

IEEE 802.11ac_Channel 157_20MHz_Antenna 0

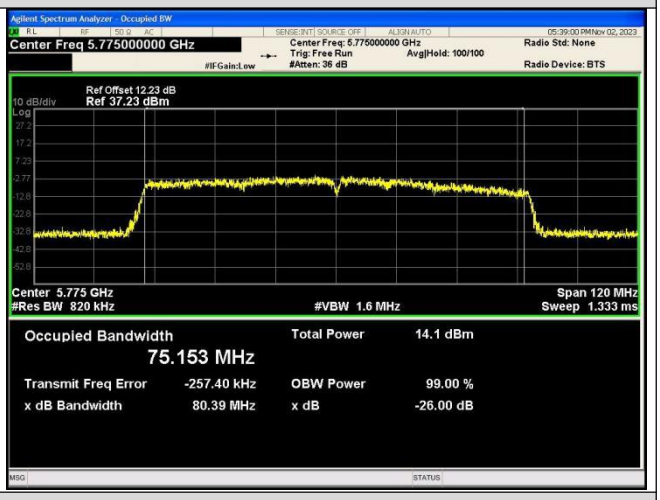


IEEE 802.11ac_Channel 165_20MHz_Antenna 0



IEEE 802.11ac_Channel 151_40MHz_Antenna 0

IEEE 802.11ac_Channel 159_40MHz_Antenna 0



IEEE 802.11ac_Channel 155_80MHz_Antenna 0