

Appendix-5.8G WiFi

Conducted Test Data

Conducted Output Power

Test Result

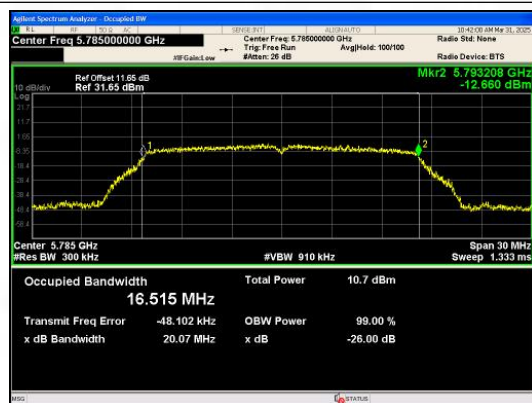
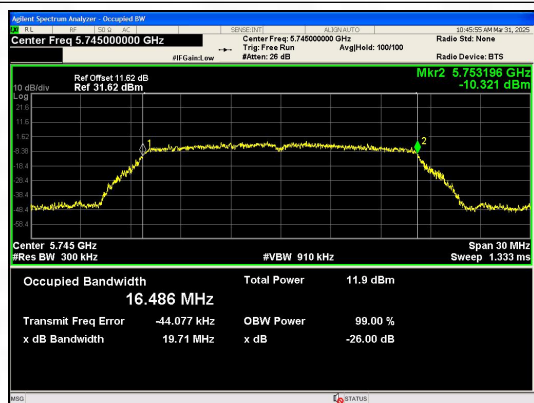
Mode	Channel	AVG Power Ant. 0 (dBm)	Corr'd Value Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11a	149	5.93	6.06	≤30	PASS
	157	4.73	4.85	≤30	PASS
	165	4.68	4.81	≤30	PASS
IEEE 802.11n_20	149	5.82	5.95	≤30	PASS
	157	5.05	5.18	≤30	PASS
	165	4.44	4.58	≤30	PASS
IEEE 802.11n_40	151	5.69	5.96	≤30	PASS
	159	4.10	4.38	≤30	PASS
IEEE 802.11ac_20	149	5.27	5.41	≤30	PASS
	157	4.44	4.57	≤30	PASS
	165	4.08	4.22	≤30	PASS
IEEE 802.11ac_40	151	5.46	5.74	≤30	PASS
	159	4.86	5.13	≤30	PASS
IEEE 802.11ac_80	155	4.87	5.42	≤30	PASS

99% Bandwidth

Test Result

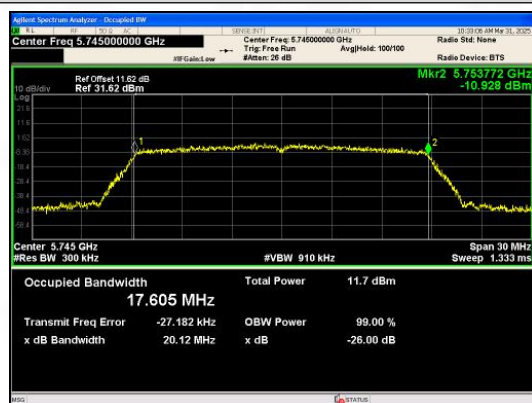
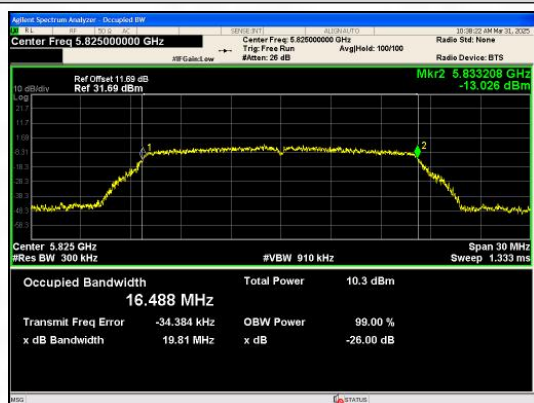
Mode	Channel	Ant.	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11a	149	0	5745	16.486
	157		5785	16.515
	165		5825	16.488
IEEE 802.11n_20	149		5745	17.605
	157		5785	17.624
	165		5825	17.599
IEEE 802.11n_40	151		5755	35.939
	159		5795	36.052
IEEE 802.11ac_20	149		5745	17.605
	157		5785	17.634
	165		5825	17.630
IEEE 802.11ac_40	151		5755	35.889
	159		5795	36.018
IEEE 802.11ac_80	155		5775	75.232

Test Graphs



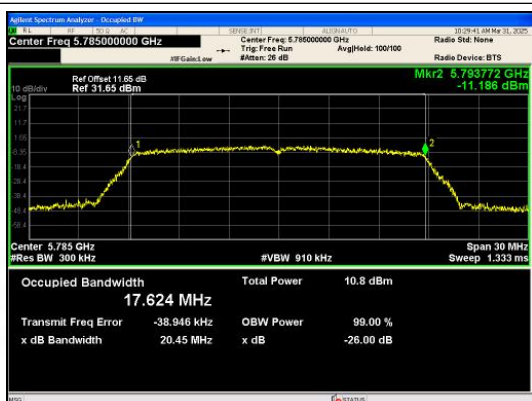
IEEE 802.11a_Channel 149_20MHz_Antenna 0

IEEE 802.11a_Channel 157_20MHz_Antenna 0



IEEE 802.11a_Channel 165_20MHz_Antenna 0

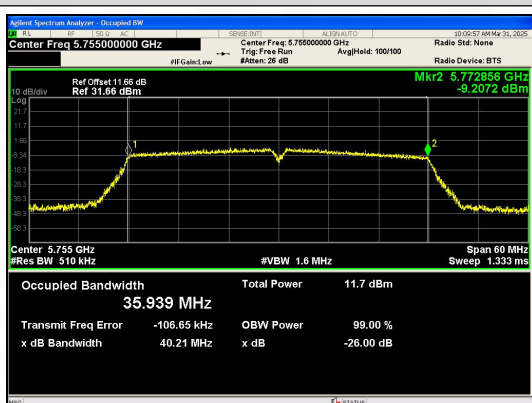
IEEE 802.11n_Channel 149_20MHz_Antenna 0



IEEE 802.11n_Channel 157_20MHz_Antenna 0



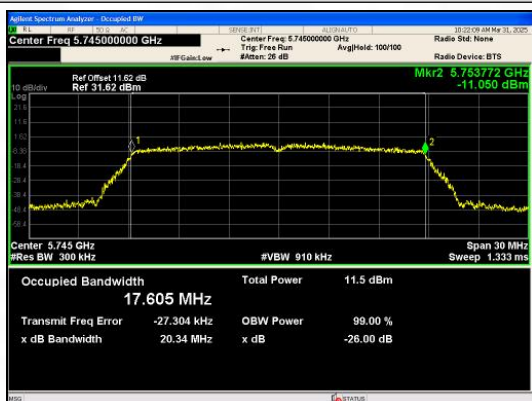
IEEE 802.11n_Channel 165_20MHz_Antenna 0



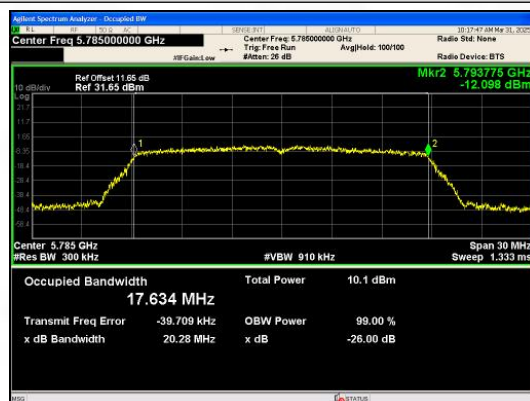
IEEE 802.11n_Channel 151_40MHz_Antenna 0



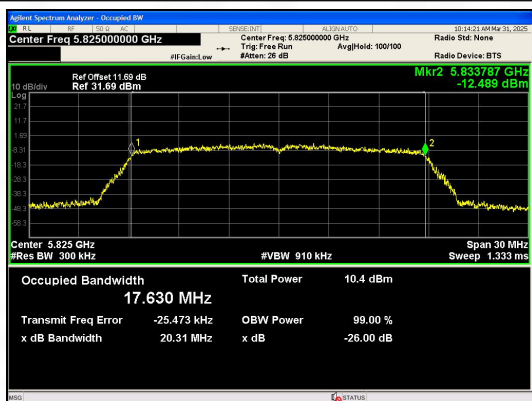
IEEE 802.11n_Channel 159_40MHz_Antenna 0



IEEE 802.11ac_Channel 149_20MHz_Antenna 0



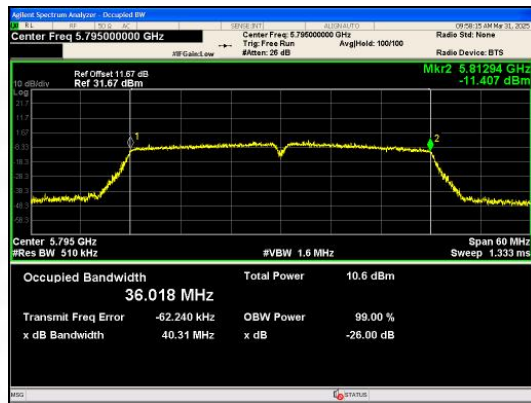
IEEE 802.11ac_Channel 157_20MHz_Antenna 0



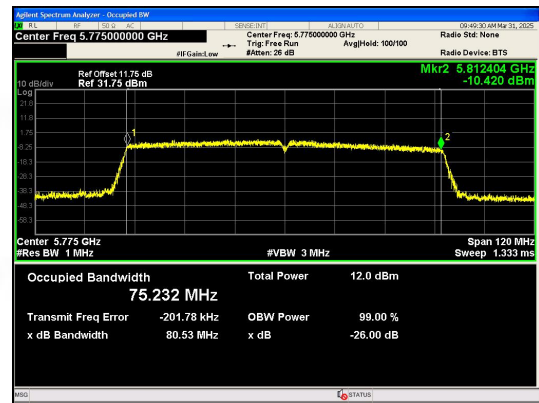
IEEE 802.11ac_Channel 165_20MHz_Antenna 0



IEEE 802.11ac_Channel 151_40MHz_Antenna 0



IEEE 802.11ac_Channel 159_40MHz_Antenna 0



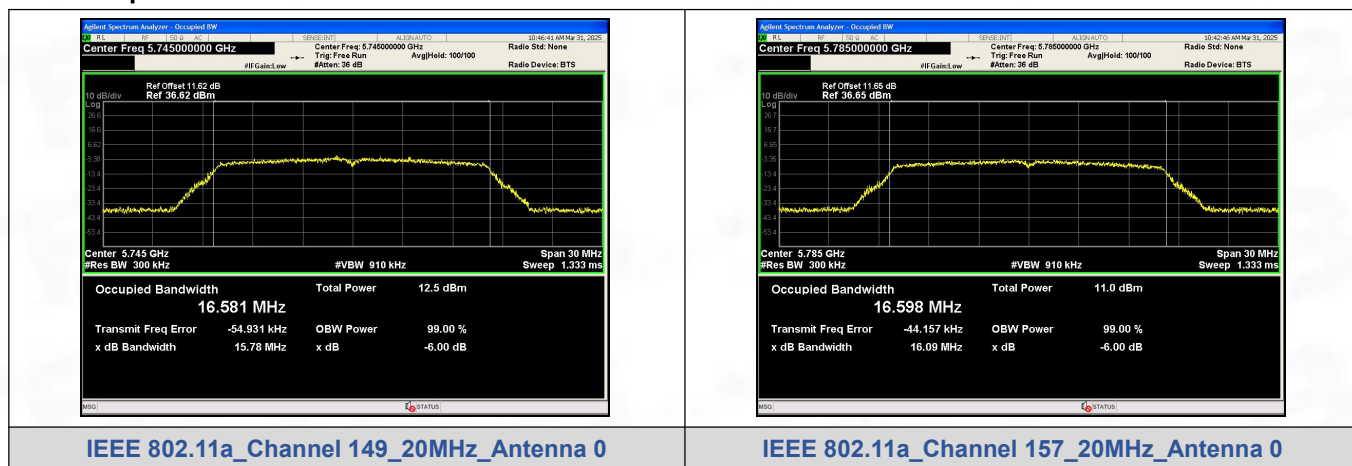
IEEE 802.11ac_Channel 155_80MHz_Antenna 0

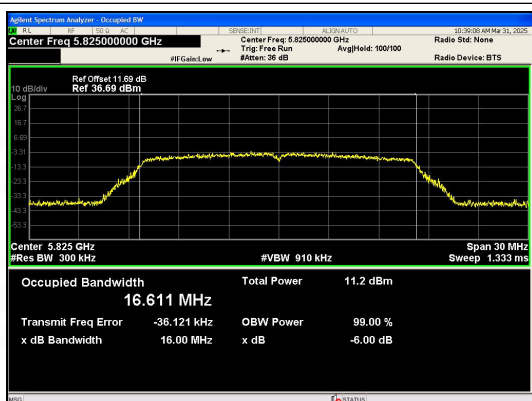
6dB Bandwidth

Test Result

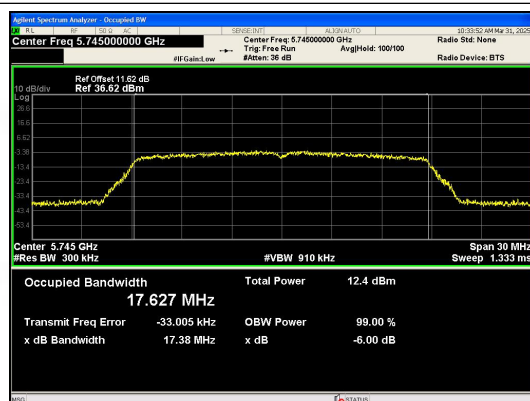
Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11a	149	0	5745	15.78	≥0.5	PASS
	157		5785	16.09		PASS
	165		5825	16.00		PASS
IEEE 802.11n_20	149		5745	17.38		PASS
	157		5785	17.40		PASS
	165		5825	17.31		PASS
IEEE 802.11n_40	151		5755	35.21		PASS
	159		5795	35.86		PASS
IEEE 802.11ac_20	149		5745	17.14		PASS
	157		5785	17.28		PASS
	165		5825	17.03		PASS
IEEE 802.11ac_40	151		5755	35.02		PASS
	159		5795	35.94		PASS
IEEE 802.11ac_80	155		5775	71.26		PASS

Test Graphs

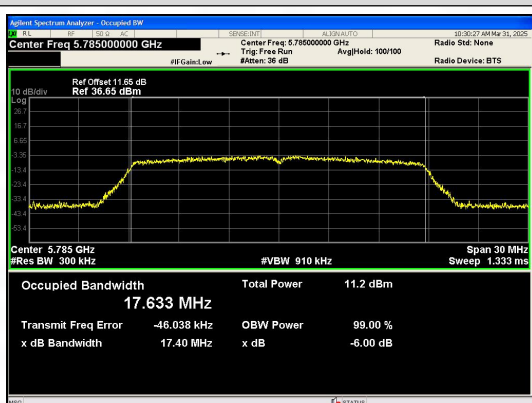




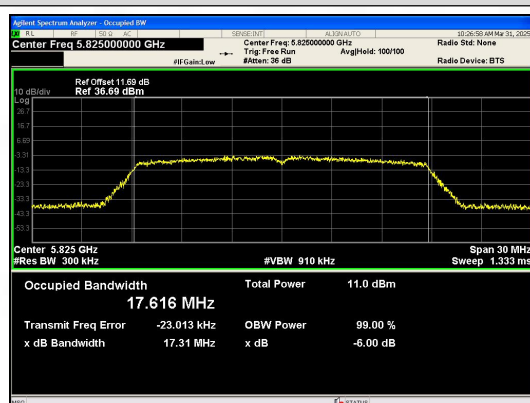
IEEE 802.11a_Channel 165_20MHz_Antenna 0



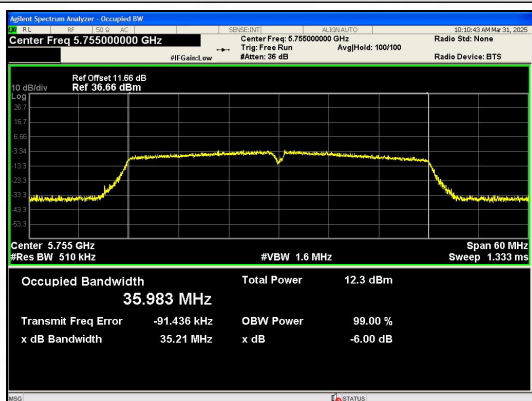
IEEE 802.11n_Channel 149_20MHz_Antenna 0



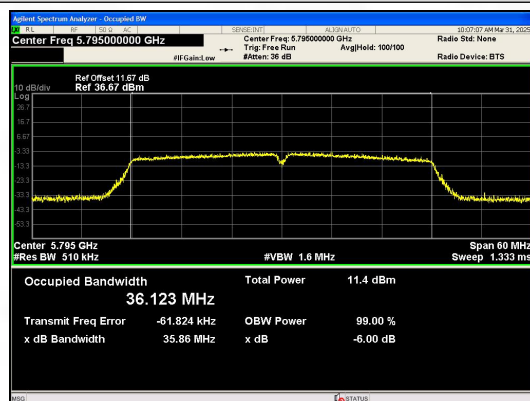
IEEE 802.11n_Channel 157_20MHz_Antenna 0



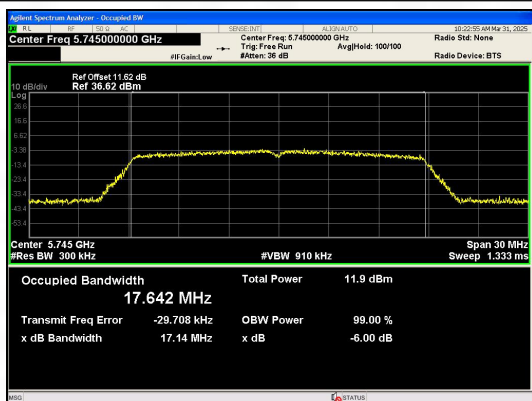
IEEE 802.11n_Channel 165_20MHz_Antenna 0



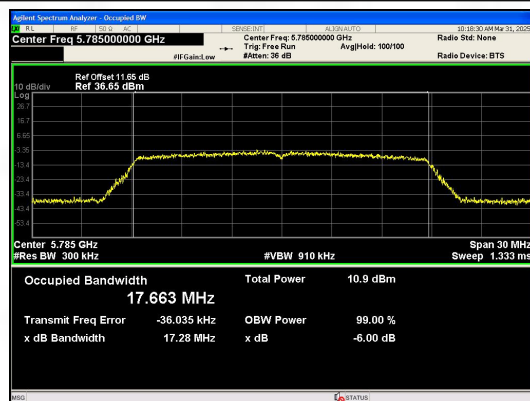
IEEE 802.11n_Channel 151_40MHz_Antenna 0



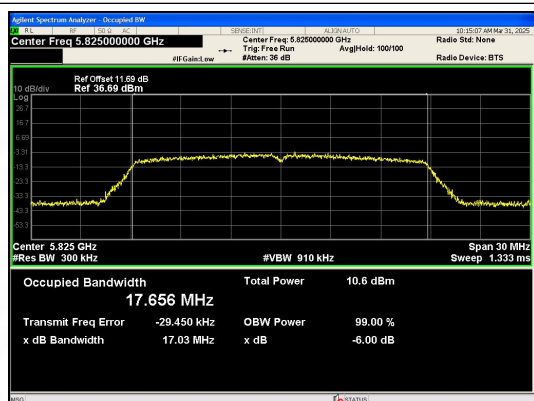
IEEE 802.11n_Channel 159_40MHz_Antenna 0



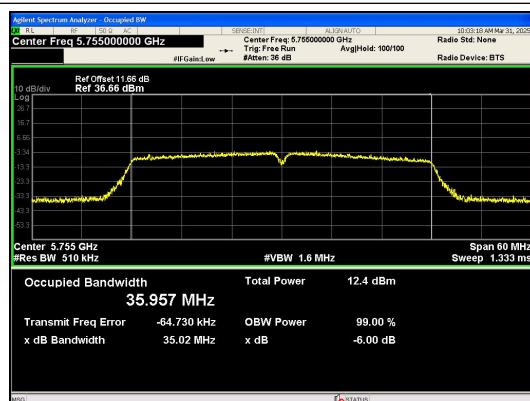
IEEE 802.11ac_Channel 149_20MHz_Antenna 0



IEEE 802.11ac_Channel 157_20MHz_Antenna 0



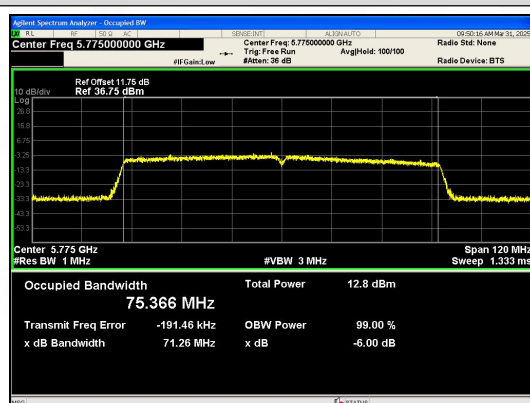
IEEE 802.11ac_Channel 165_20MHz_Antenna 0



IEEE 802.11ac_Channel 151_40MHz_Antenna 0



IEEE 802.11ac_Channel 159_40MHz_Antenna 0



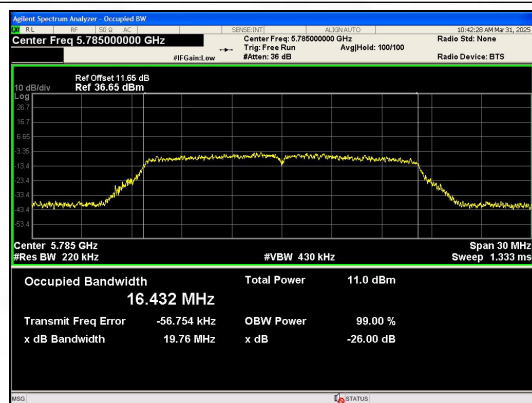
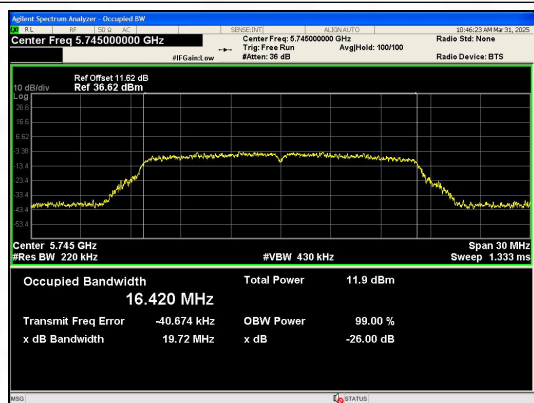
IEEE 802.11ac_Channel 155_80MHz_Antenna 0

26dB Bandwidth

Test Result

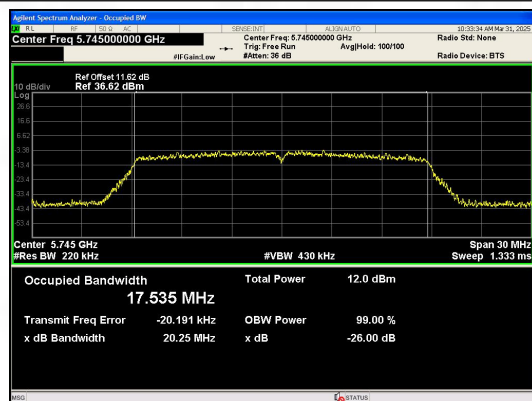
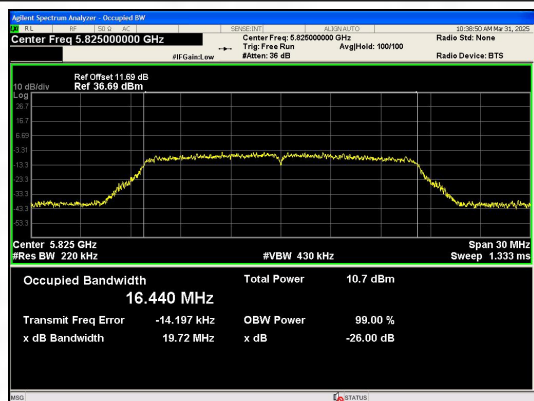
Mode	Channel	Ant.	Center Frequency (MHz)	26 dB Bandwidth (MHz)	RBW/EBW
IEEE 802.11a	149	0	5745	19.72	1.12
	157		5785	19.76	1.11
	165		5825	19.72	1.12
IEEE 802.11n_20	149		5745	20.25	1.1
	157		5785	20.21	1.11
	165		5825	20.14	1.1
IEEE 802.11n_40	151		5755	40.15	1.06
	159		5795	40.38	1.06
IEEE 802.11ac_20	149		5745	20.07	1.11
	157		5785	20.18	1.11
	165		5825	20.17	1.11
IEEE 802.11ac_40	151		5755	40.44	1.06
	159		5795	40.04	1.06
IEEE 802.11ac_80	155		5775	80.52	1.04

Test Graphs



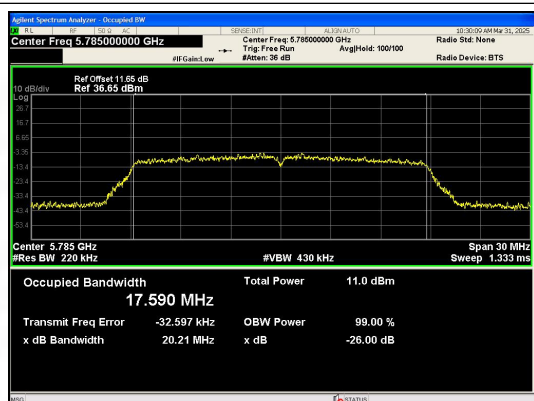
IEEE 802.11a_Channel 149_20MHz_Antenna 0

IEEE 802.11a_Channel 157_20MHz_Antenna 0

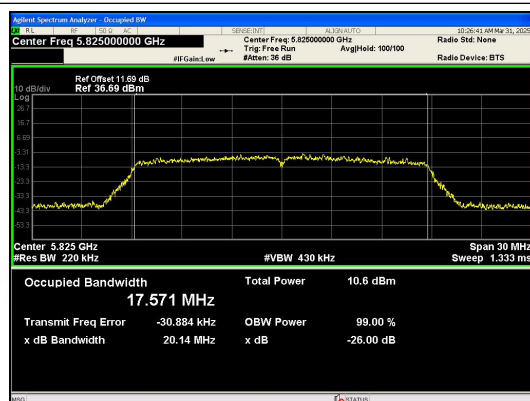


IEEE 802.11a_Channel 165_20MHz_Antenna 0

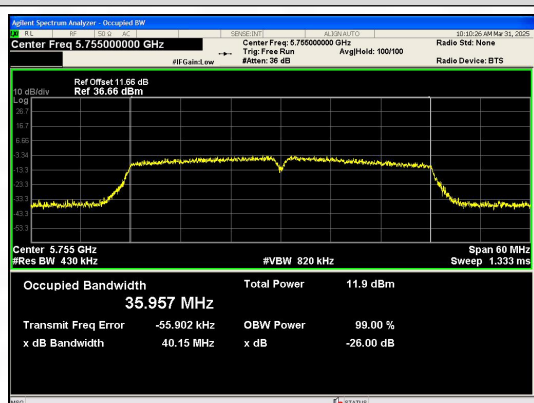
IEEE 802.11n_Channel 149_20MHz_Antenna 0



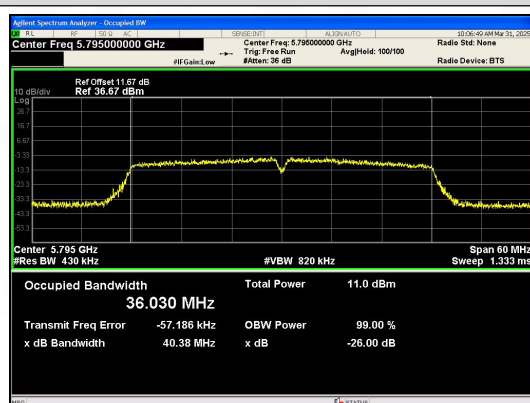
IEEE 802.11n_Channel 157_20MHz_Antenna 0



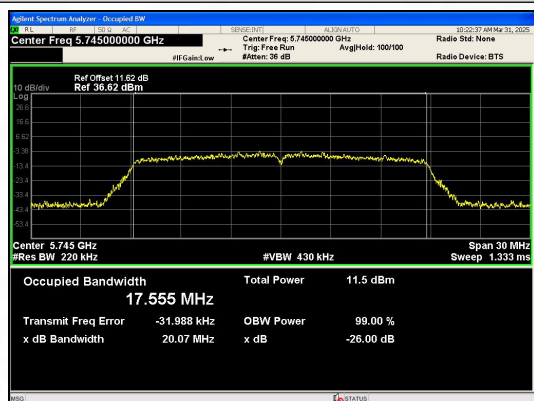
IEEE 802.11n_Channel 165_20MHz_Antenna 0



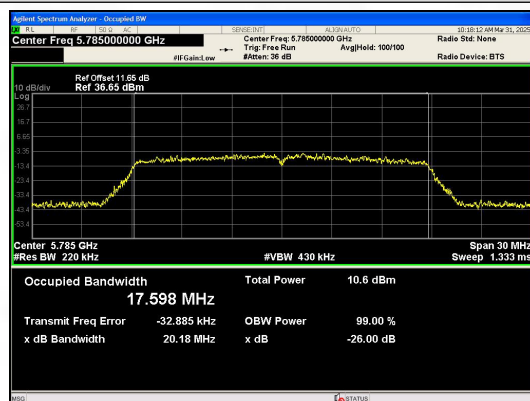
IEEE 802.11n_Channel 151_40MHz_Antenna 0



IEEE 802.11n_Channel 159_40MHz_Antenna 0



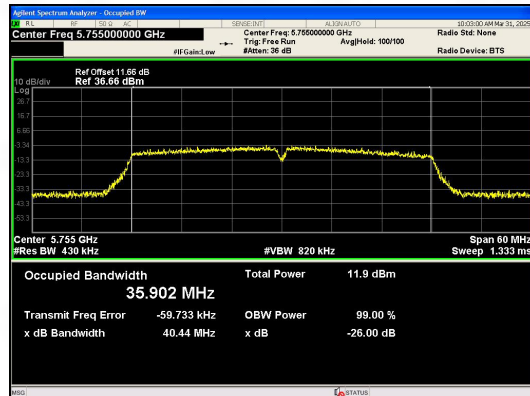
IEEE 802.11ac_Channel 149_20MHz_Antenna 0



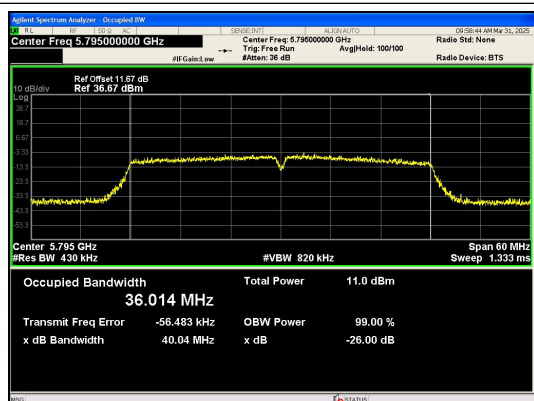
IEEE 802.11ac_Channel 157_20MHz_Antenna 0



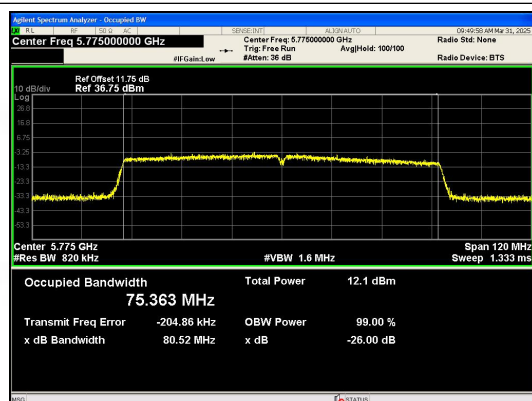
IEEE 802.11ac_Channel 165_20MHz_Antenna 0



IEEE 802.11ac_Channel 151_40MHz_Antenna 0



IEEE 802.11ac_Channel 159_40MHz_Antenna 0



IEEE 802.11ac_Channel 155_80MHz_Antenna 0