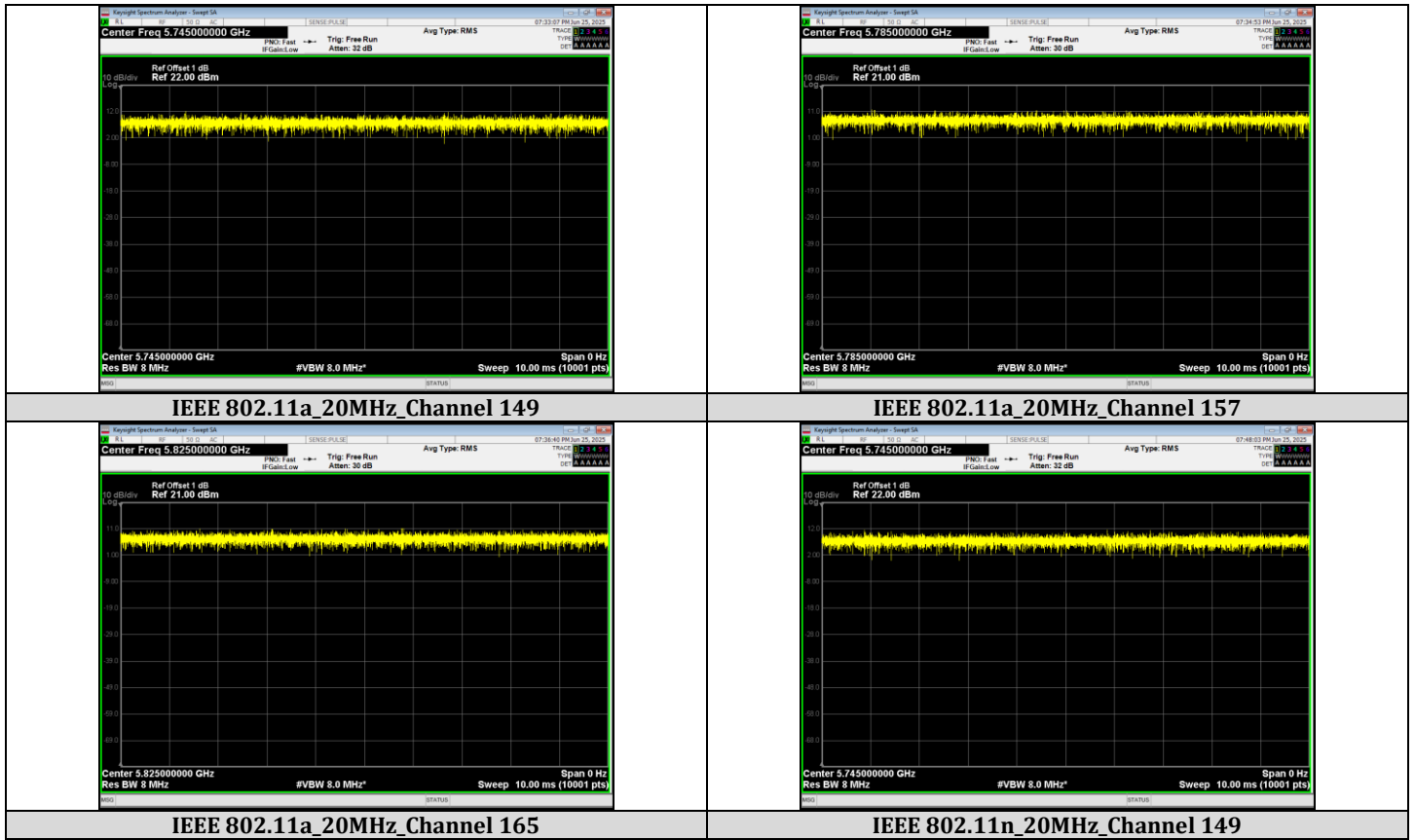


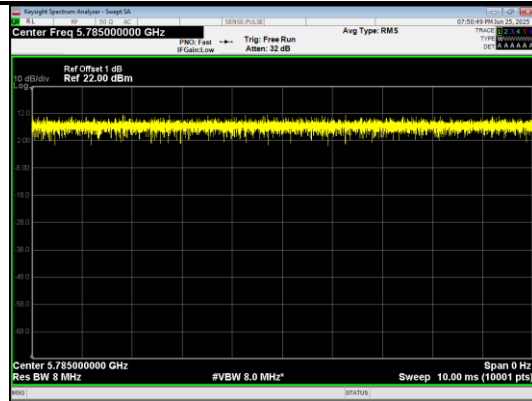
Duty Cycle

Test Result

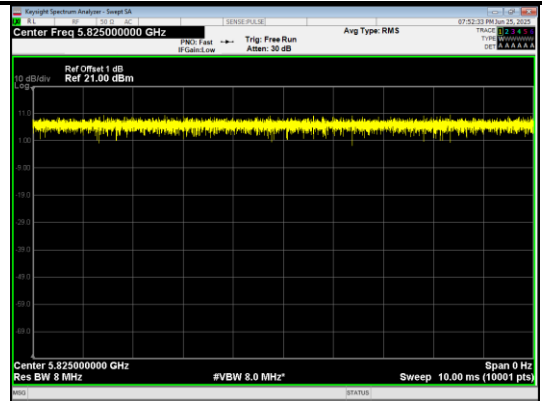
Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
IEEE 802.11a	6	149	1	10.000	10.000	100	1	0.0	0.1000
		157		10.000	10.000	100	1	0.0	0.1000
		165		10.000	10.000	100	1	0.0	0.1000
IEEE 802.11n_20	149	10.000		10.000	100	1	0.0	0.1000	
	157	10.000		10.000	100	1	0.0	0.1000	
	165	10.000		10.000	100	1	0.0	0.1000	
IEEE 802.11n_40	151	10.000		10.000	100	1	0.0	0.1000	
	159	10.000		10.000	100	1	0.0	0.1000	
IEEE 802.11ac_20	MCS 0	149		10.000	10.000	100	1	0.0	0.1000
		157		10.000	10.000	100	1	0.0	0.1000
		165		10.000	10.000	100	1	0.0	0.1000
151		10.000		10.000	100	1	0.0	0.1000	
159		10.000		10.000	100	1	0.0	0.1000	
IEEE 802.11ac_40		155		10.000	10.000	100	1	0.0	0.1000
			10.000	10.000	100	1	0.0	0.1000	
IEEE 802.11ac_80		10.000	10.000	100	1	0.0	0.1000		

Test Graphs

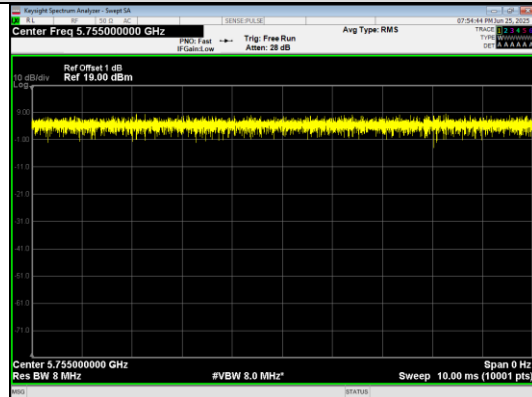




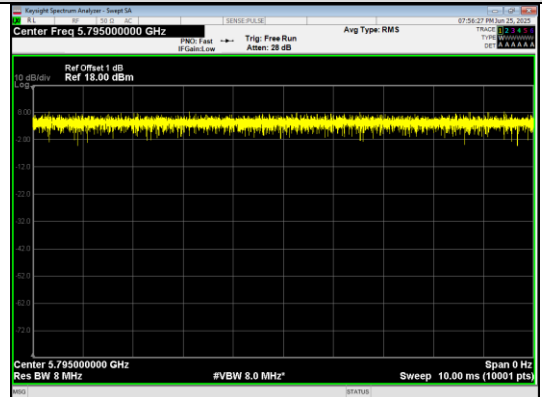
IEEE 802.11n 20MHz_Channel 157



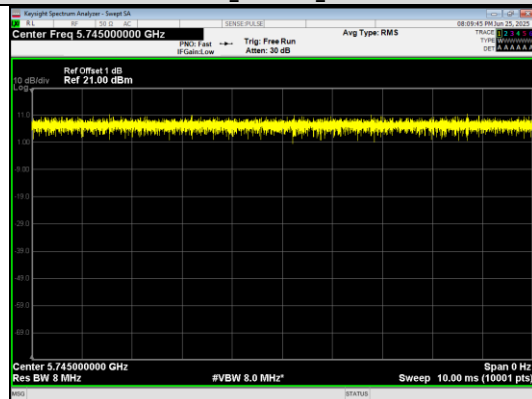
IEEE 802.11n 20MHz_Channel 165



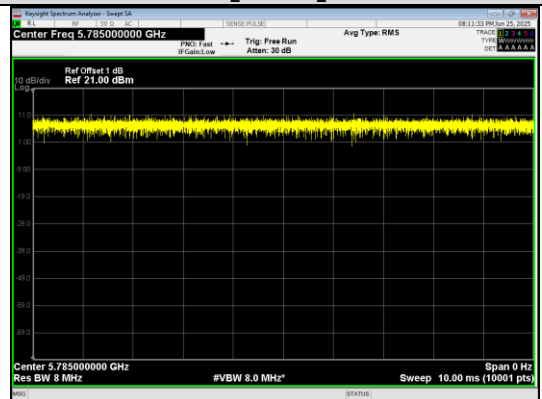
IEEE 802.11n 40MHz_Channel 151



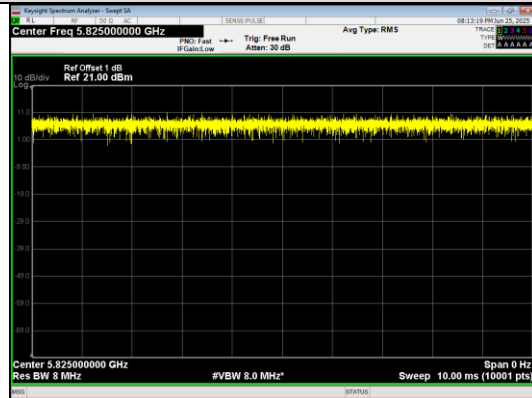
IEEE 802.11n 40MHz_Channel 159



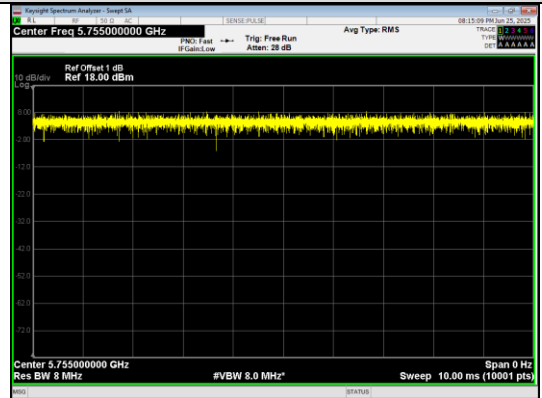
IEEE 802.11ac 20MHz_Channel 149



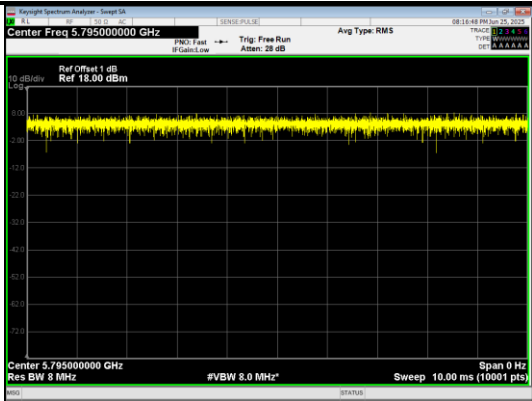
IEEE 802.11ac 20MHz_Channel 157



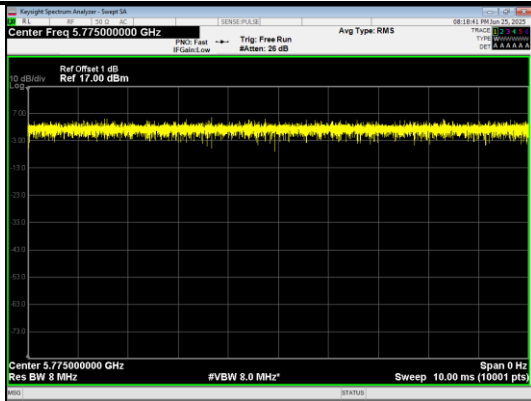
IEEE 802.11ac 20MHz_Channel 165



IEEE 802.11ac 40MHz_Channel 151



IEEE 802.11ac_40MHz_Channel 159



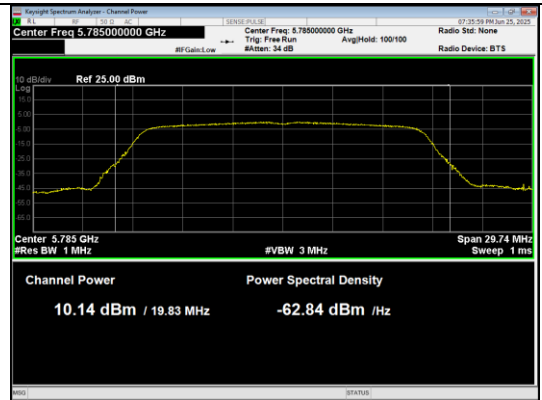
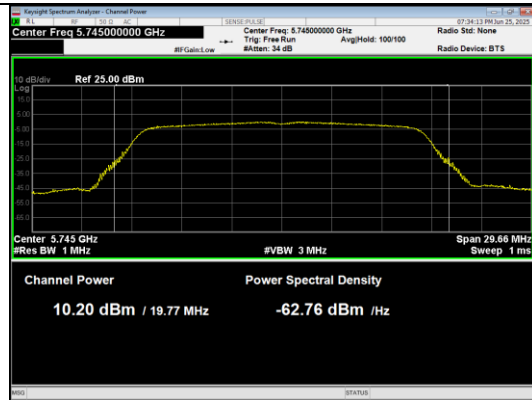
IEEE 802.11ac_80MHz_Channel 155

Conducted Output Power

Conducted output power

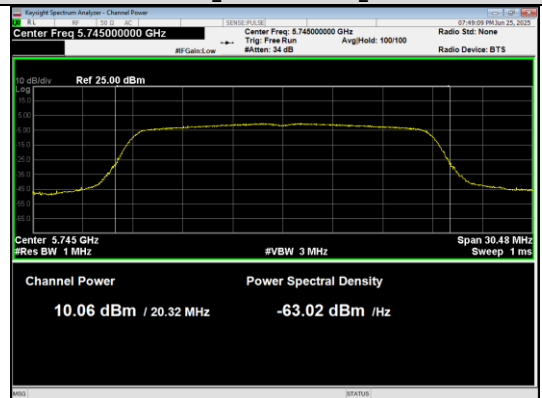
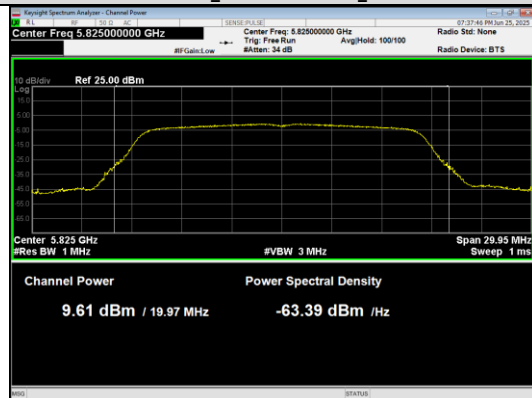
Mode	Channel	Ant. 0 (dBm)	Corr'd Value Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11a	149	10.20	10.2	≤30	PASS
	157	10.14	10.14	≤30	PASS
	165	9.61	9.61	≤30	PASS
IEEE 802.11n_20	149	10.06	10.06	≤30	PASS
	157	10.06	10.06	≤30	PASS
	165	9.47	9.47	≤30	PASS
IEEE 802.11n_40	151	10.09	10.09	≤30	PASS
	159	9.85	9.85	≤30	PASS
IEEE 802.11ac_20	149	9.95	9.95	≤30	PASS
	157	9.86	9.86	≤30	PASS
	165	9.34	9.34	≤30	PASS
IEEE 802.11ac_40	151	10.01	10.01	≤30	PASS
	159	9.76	9.76	≤30	PASS
IEEE 802.11ac_80	155	9.71	9.71	≤30	PASS

Note: Corr'd Value= Ant. 0 (dBm)+Duty cycle Factor.



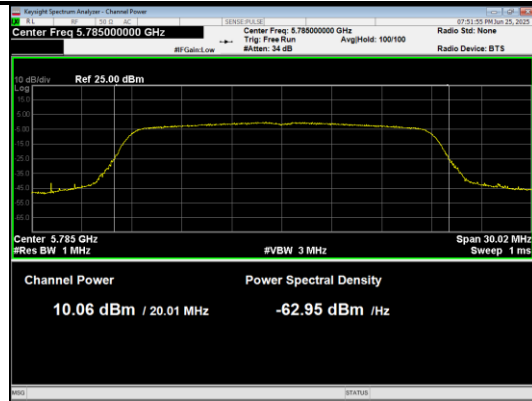
Conducted AVG output power
IEEE 802.11a_Channel 149_Antenna 0

Conducted AVG output power
IEEE 802.11a_Channel 157_Antenna 0

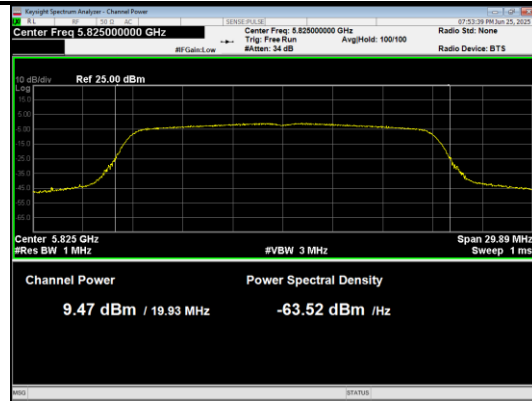


Conducted AVG output power
IEEE 802.11a_Channel 165_Antenna 0

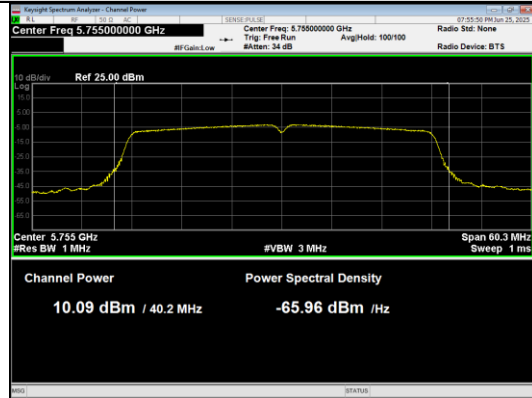
Conducted AVG output power
IEEE 802.11n_20_Channel 149_Antenna 0



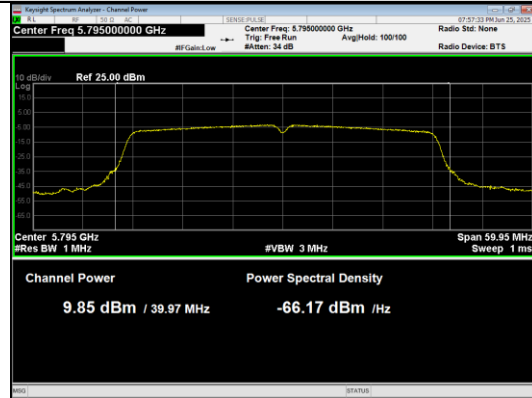
Conducted AVG output power
IEEE 802.11n_20_Channel 157_Antenna 0



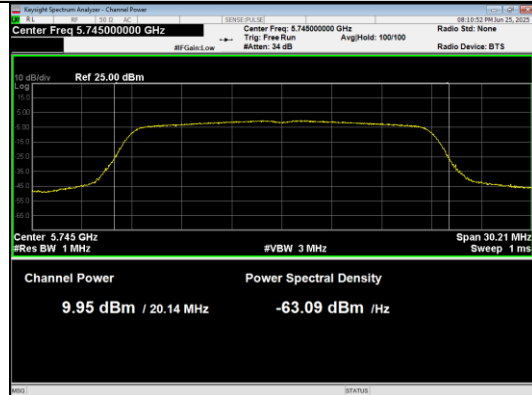
Conducted AVG output power
IEEE 802.11n_20_Channel 165_Antenna 0



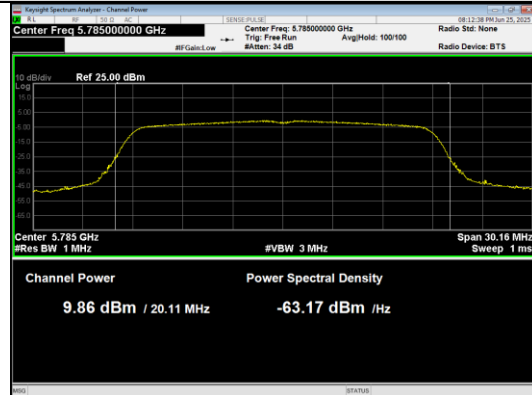
Conducted AVG output power
IEEE 802.11n_40_Channel 151_Antenna 0



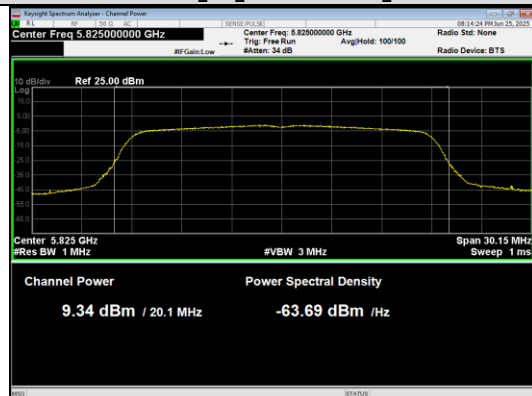
Conducted AVG output power
IEEE 802.11n_40_Channel 159_Antenna 0



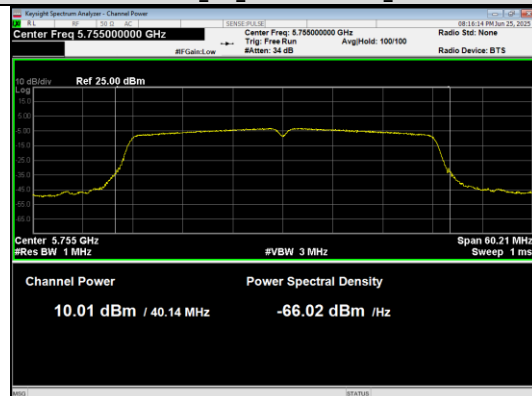
Conducted AVG output power
IEEE 802.11ac_20_Channel 149_Antenna 0



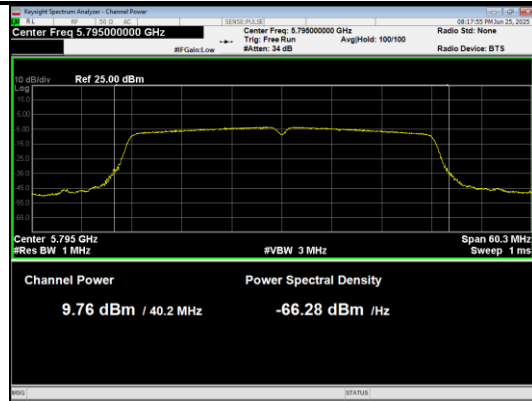
Conducted AVG output power
IEEE 802.11ac_20_Channel 157_Antenna 0



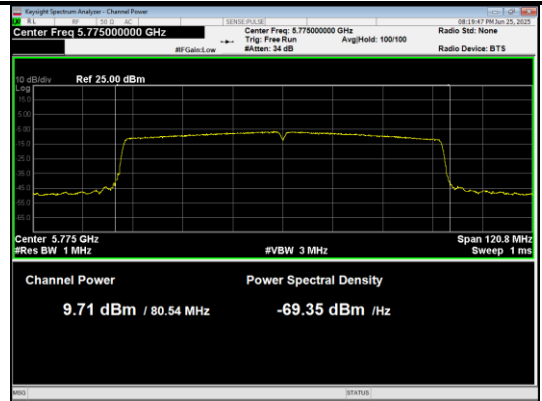
Conducted AVG output power
IEEE 802.11ac_20_Channel 165_Antenna 0



Conducted AVG output power
IEEE 802.11ac_40_Channel 151_Antenna 0



Conducted AVG output power
 IEEE 802.11ac_40_Channel 159_Antenna 0



Conducted AVG output power
 IEEE 802.11ac_80_Channel 155_Antenna 0



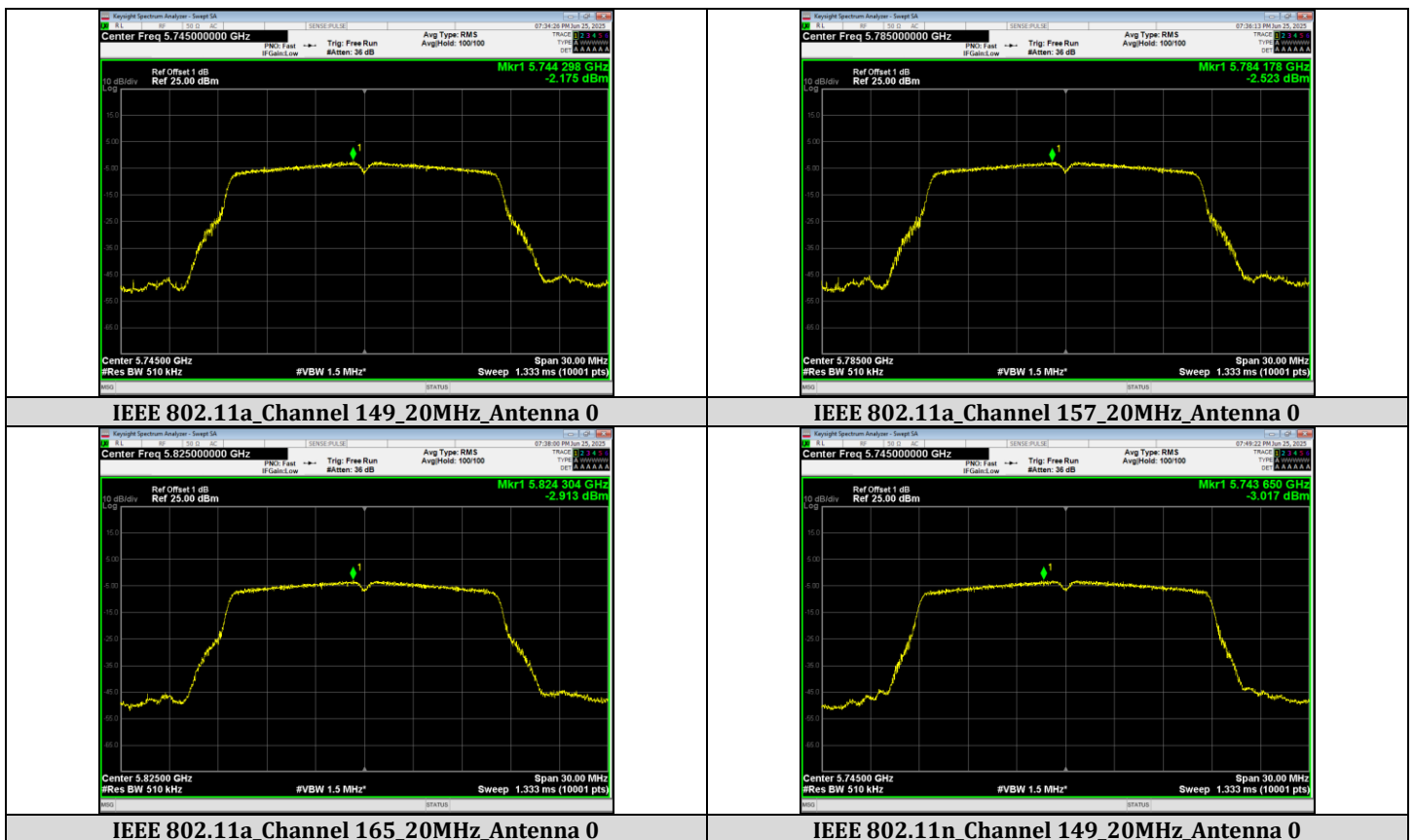
Peak Power Spectral Density

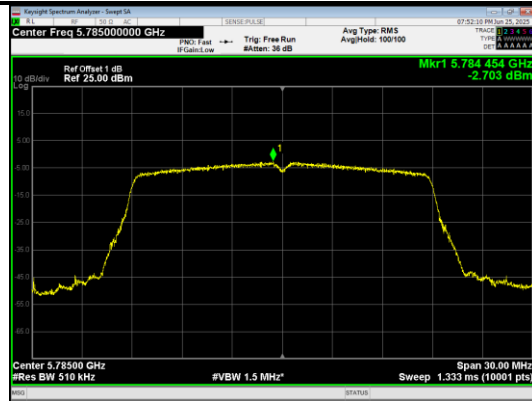
Test Result

Mode	Channel	Ant. 0 Meas PSD (dBm/MHz or dBm/0.51MHz)	Ant. 0 Corr'd PSD (dBm/MHz or dBm/0.5MHz)	Limit (dBm/MHz or dBm/0.5MHz)	Result
IEEE 802.11a	149	-2.175	-2.261	30	PASS
	157	-2.523	-2.609		PASS
	165	-2.913	-2.999		PASS
IEEE 802.11n_20	149	-3.017	-3.103		PASS
	157	-2.703	-2.789		PASS
	165	-3.199	-3.285		PASS
IEEE 802.11n_40	151	-5.854	-5.940		PASS
	159	-5.642	-5.728		PASS
IEEE 802.11ac_20	149	-2.751	-2.837		PASS
	157	-2.981	-3.067		PASS
	165	-3.351	-3.437		PASS
IEEE 802.11ac_40	151	-5.832	-5.918		PASS
	159	-5.907	-5.993		PASS
IEEE 802.11ac_80	155	-8.889	-8.975		PASS

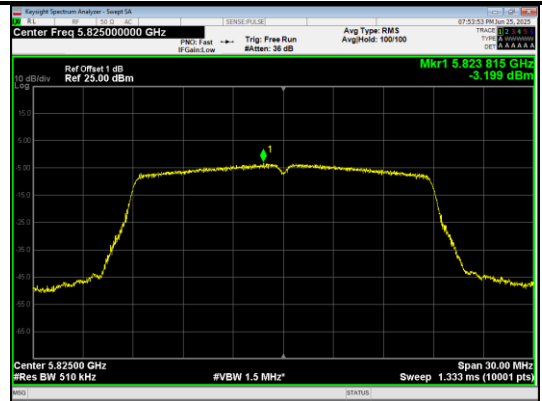
Note: Corr'd PSD = Meas PSD +Duty cycle Factor- BW factor($10*\log(510/500)$).

Test Graphs

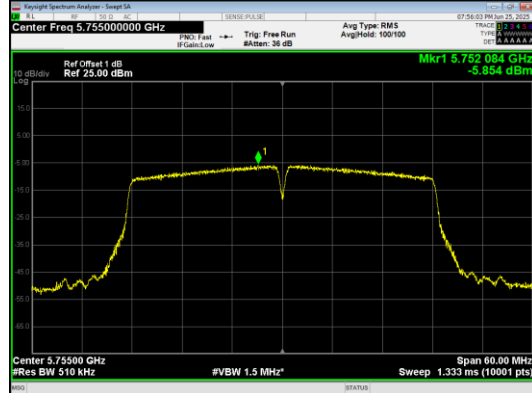




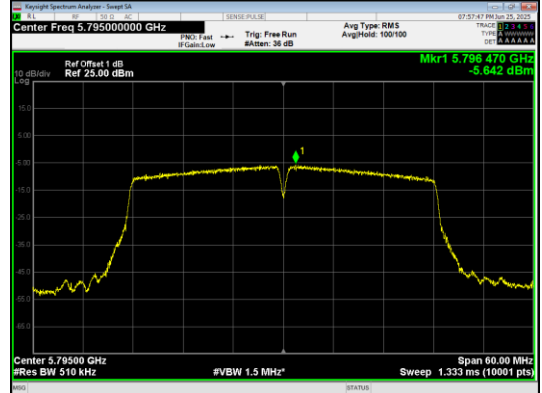
IEEE 802.11n_Channel 157_20MHz_Antenna 0



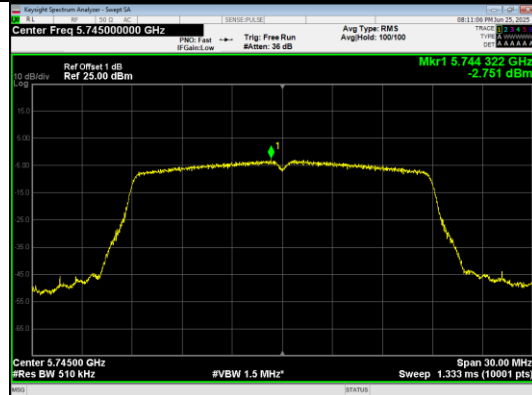
IEEE 802.11n_Channel 165_20MHz_Antenna 0



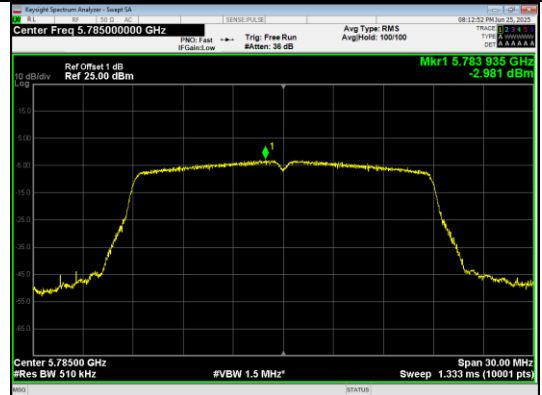
IEEE 802.11n_Channel 151_40MHz_Antenna 0



IEEE 802.11n_Channel 159_40MHz_Antenna 0



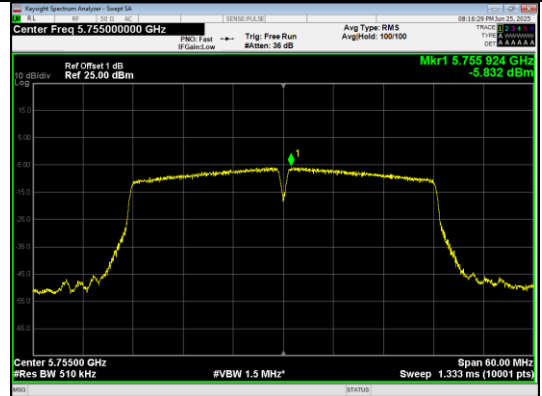
IEEE 802.11ac_Channel 149_20MHz_Antenna 0



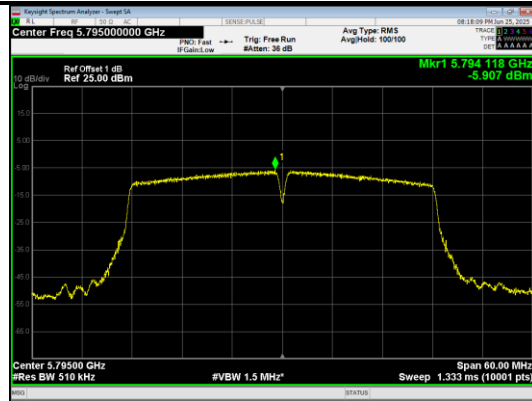
IEEE 802.11ac_Channel 157_20MHz_Antenna 0



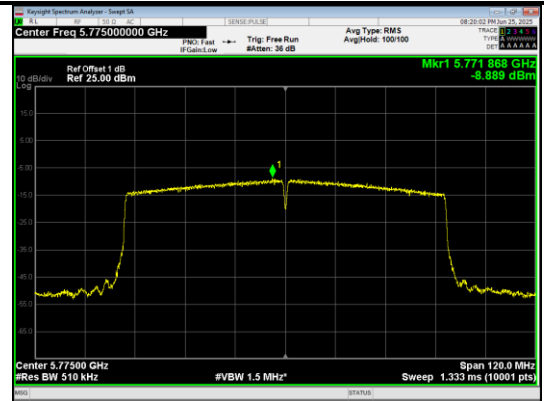
IEEE 802.11ac_Channel 165_20MHz_Antenna 0



IEEE 802.11ac_Channel 151_40MHz_Antenna 0



IEEE 802.11ac_Channel 159_40MHz_Antenna 0



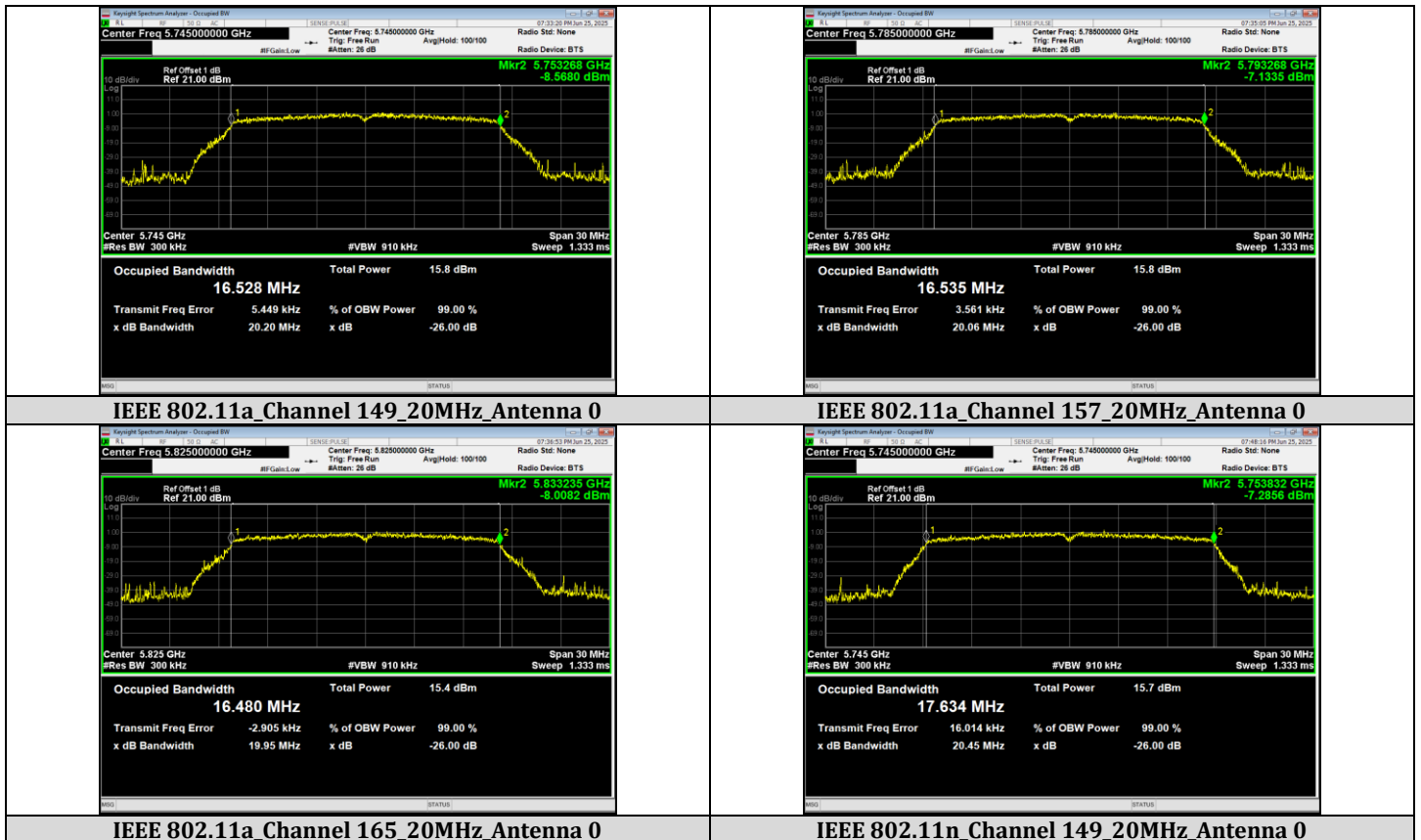
IEEE 802.11ac_Channel 155_80MHz_Antenna 0

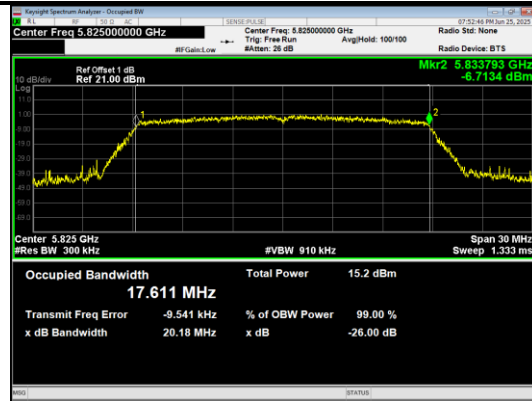
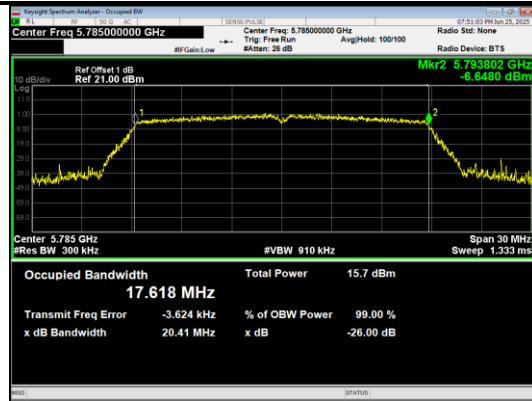
99% Bandwidth

Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11a	149	0	5745	16.528
	157		5785	16.535
	165		5825	16.480
IEEE 802.11n_20	149		5745	17.634
	157		5785	17.618
	165		5825	17.611
IEEE 802.11n_40	151		5755	35.953
	159		5795	35.915
IEEE 802.11ac_20	149		5745	17.623
	157		5785	17.615
	165		5825	17.604
IEEE 802.11ac_40	151		5755	35.944
	159		5795	35.953
IEEE 802.11ac_80	155		5775	75.075

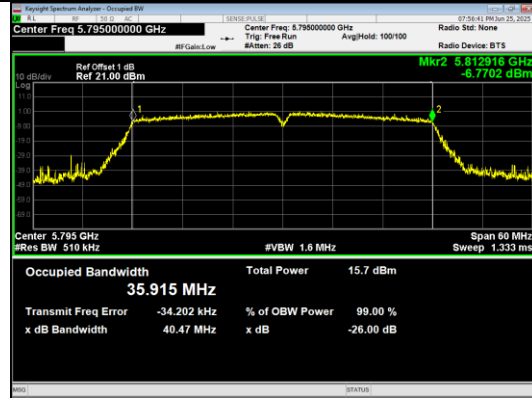
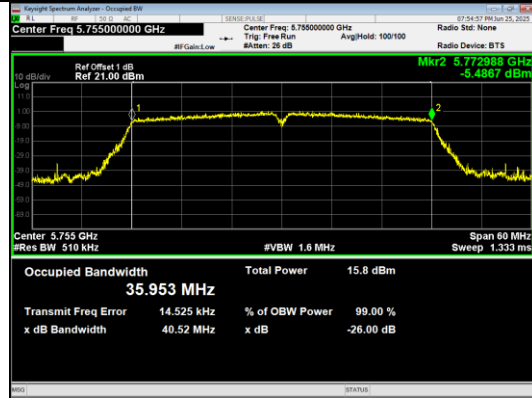
Test Graphs





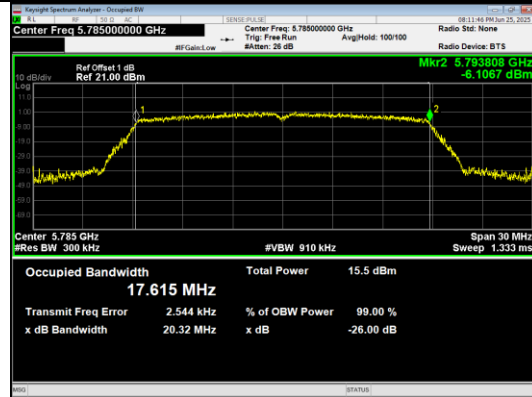
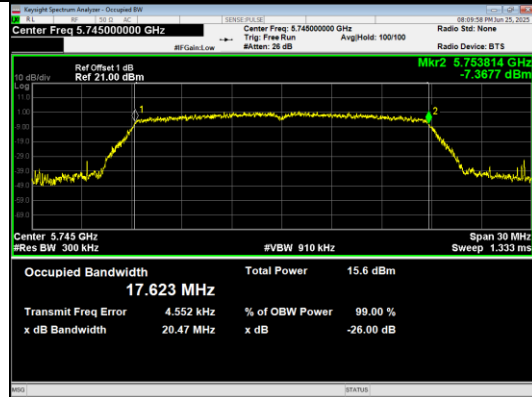
IEEE 802.11n_Channel 157_20MHz_Antenna 0

IEEE 802.11n_Channel 165_20MHz_Antenna 0



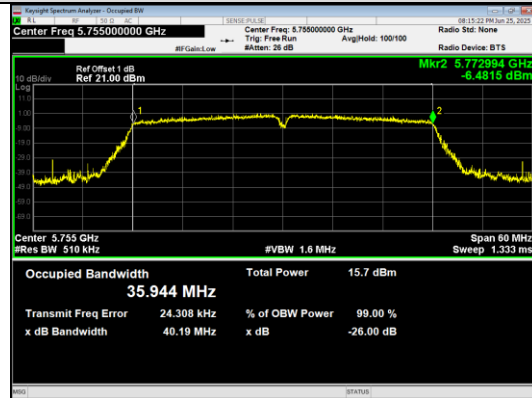
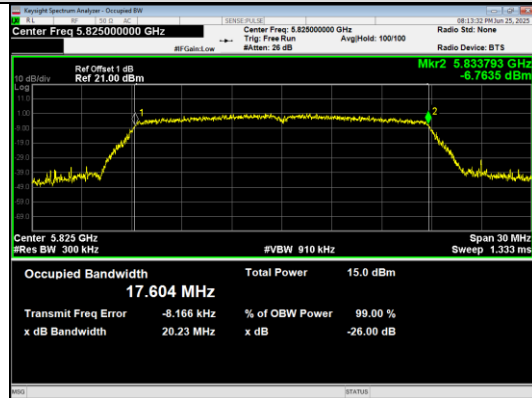
IEEE 802.11n_Channel 151_40MHz_Antenna 0

IEEE 802.11n_Channel 159_40MHz_Antenna 0



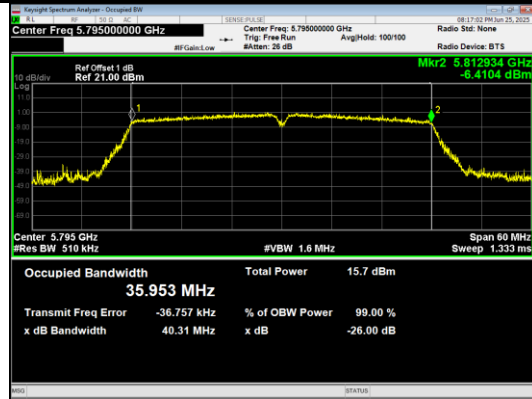
IEEE 802.11ac_Channel 149_20MHz_Antenna 0

IEEE 802.11ac_Channel 157_20MHz_Antenna 0

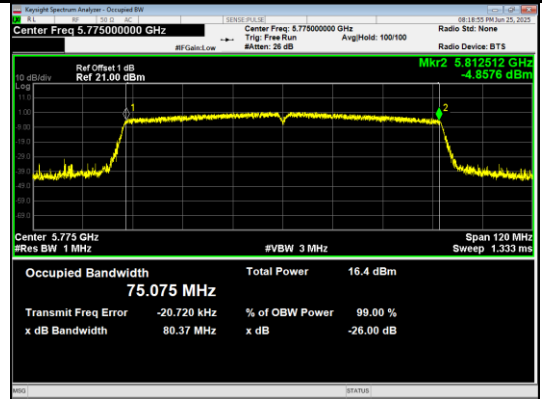


IEEE 802.11ac_Channel 165_20MHz_Antenna 0

IEEE 802.11ac_Channel 151_40MHz_Antenna 0



IEEE 802.11ac_Channel 159_40MHz_Antenna 0



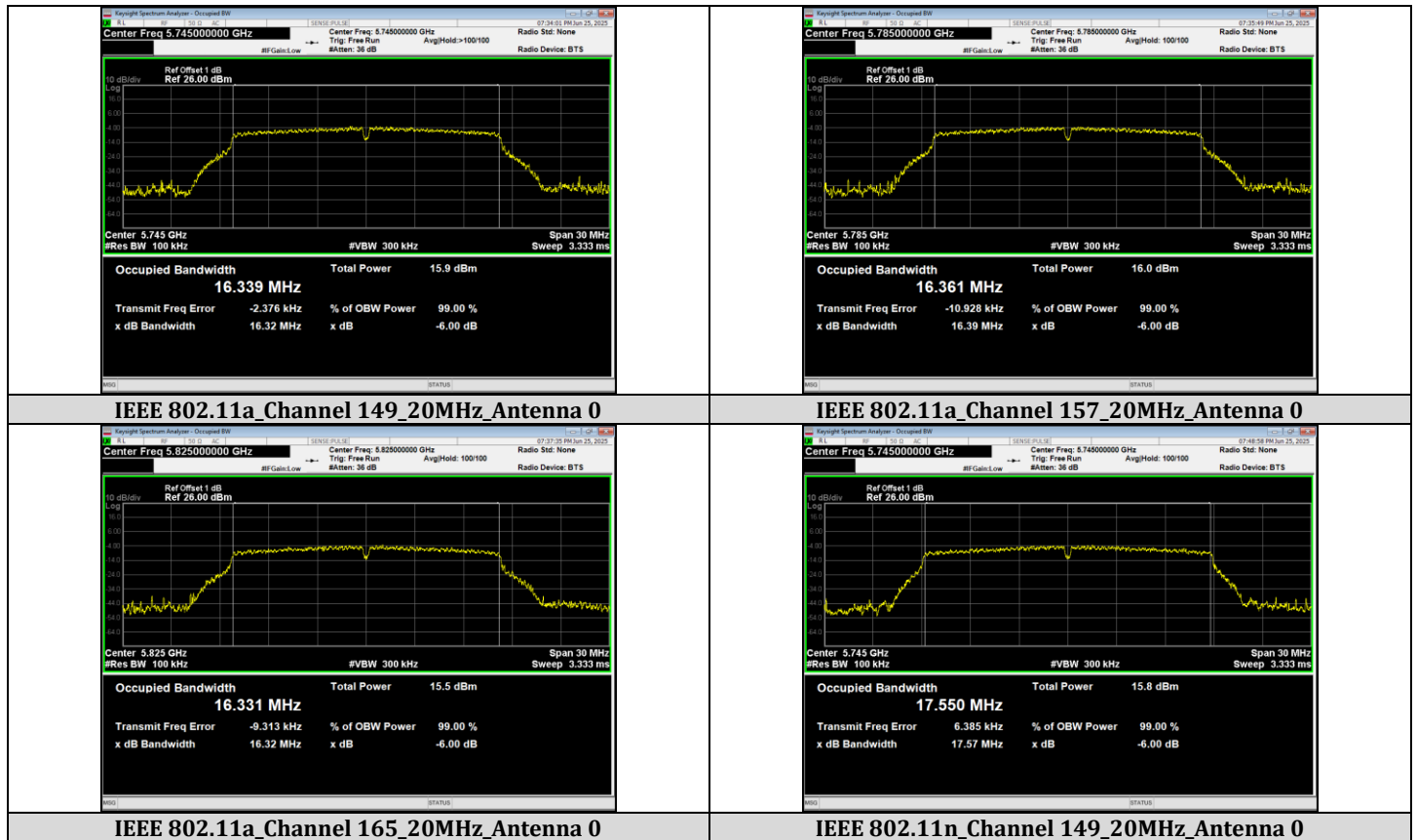
IEEE 802.11ac_Channel 155_80MHz_Antenna 0

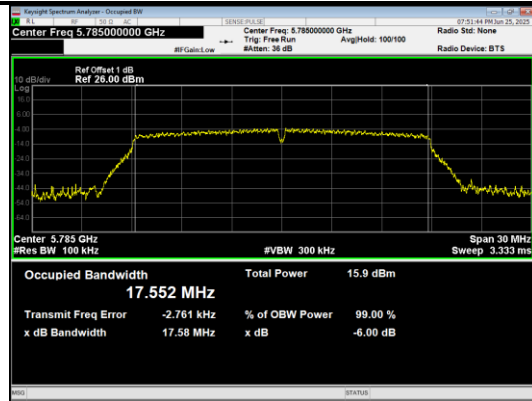
6dB Bandwidth

Test Result

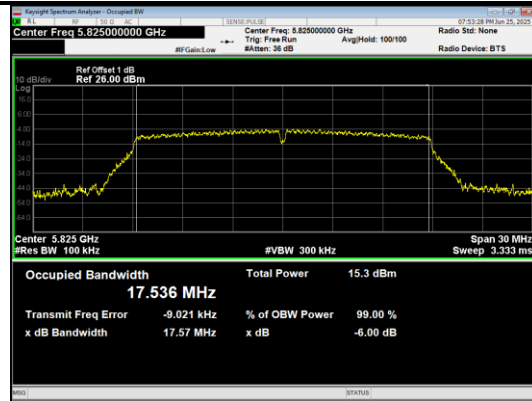
Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11a	149	0	5745	16.32	≥0.5	PASS
	157		5785	16.39		PASS
	165		5825	16.32		PASS
IEEE 802.11n_20	149		5745	17.57		PASS
	157		5785	17.58		PASS
	165		5825	17.57		PASS
IEEE 802.11n_40	151		5755	36.09		PASS
	159		5795	35.95		PASS
IEEE 802.11ac_20	149		5745	17.58		PASS
	157		5785	17.59		PASS
	165		5825	17.57		PASS
IEEE 802.11ac_40	151		5755	36.07		PASS
	159		5795	36.29		PASS
IEEE 802.11ac_80	155		5775	76.03		PASS

Test Graphs

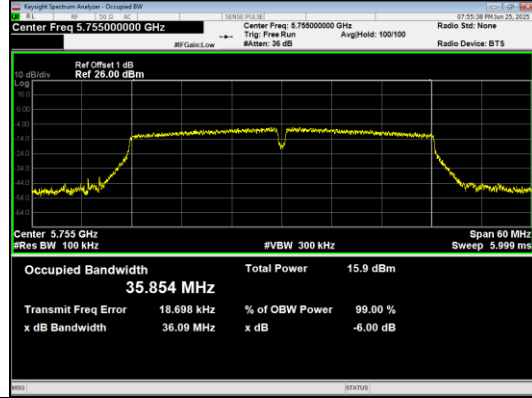




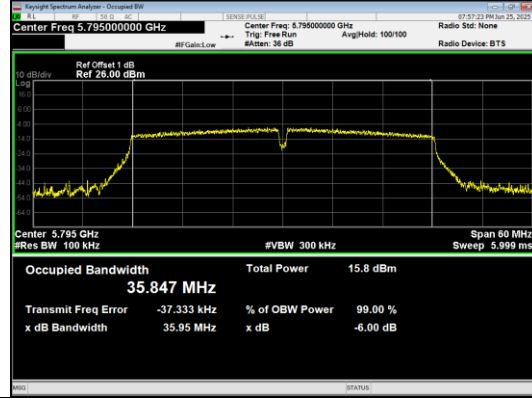
IEEE 802.11n_Channel 157_20MHz_Antenna 0



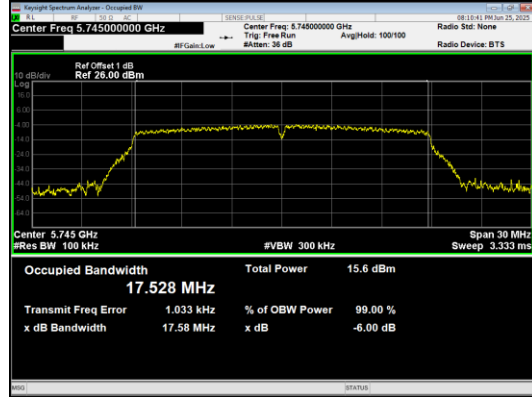
IEEE 802.11n_Channel 165_20MHz_Antenna 0



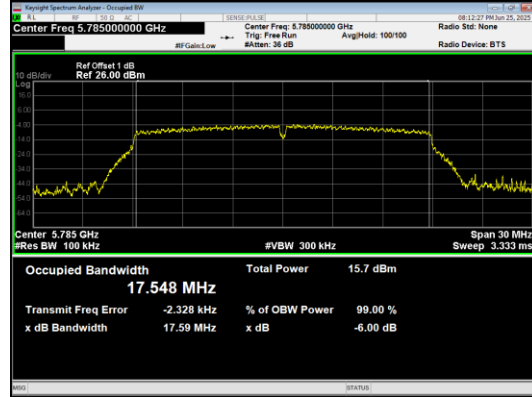
IEEE 802.11n_Channel 151_40MHz_Antenna 0



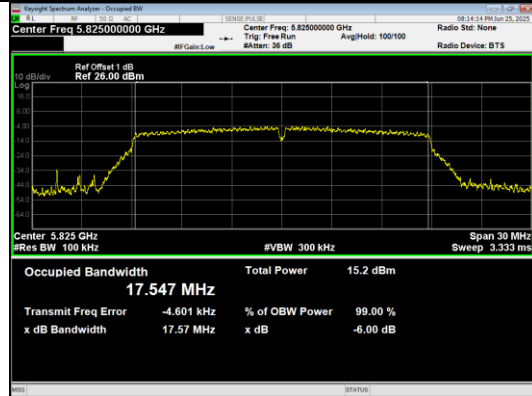
IEEE 802.11n_Channel 159_40MHz_Antenna 0



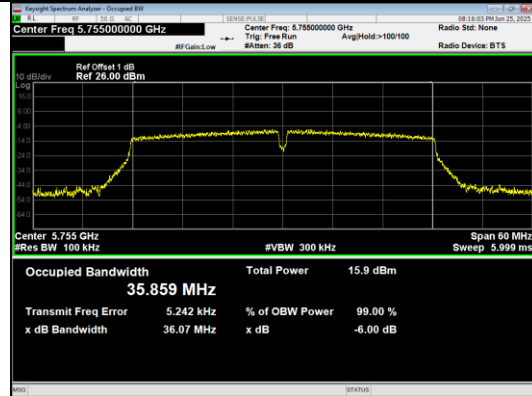
IEEE 802.11ac_Channel 149_20MHz_Antenna 0



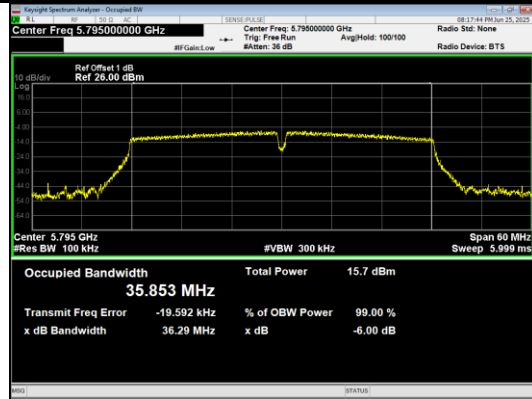
IEEE 802.11ac_Channel 157_20MHz_Antenna 0



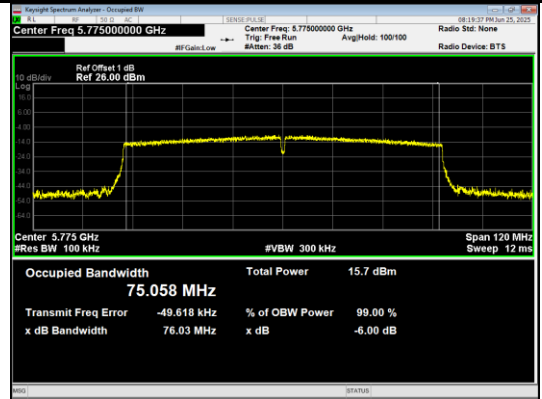
IEEE 802.11ac_Channel 165_20MHz_Antenna 0



IEEE 802.11ac_Channel 151_40MHz_Antenna 0



IEEE 802.11ac_Channel 159_40MHz_Antenna 0



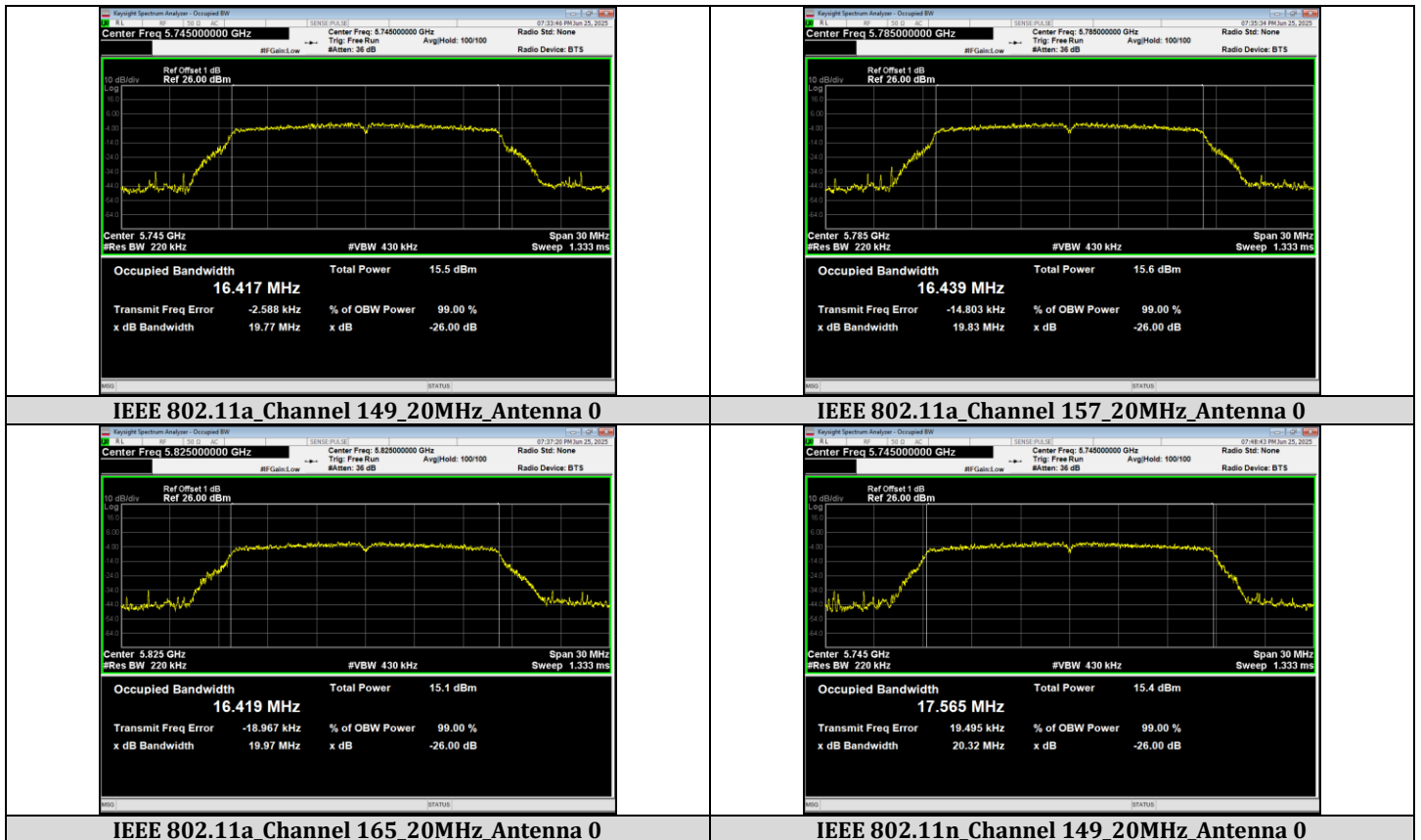
IEEE 802.11ac_Channel 155_80MHz_Antenna 0

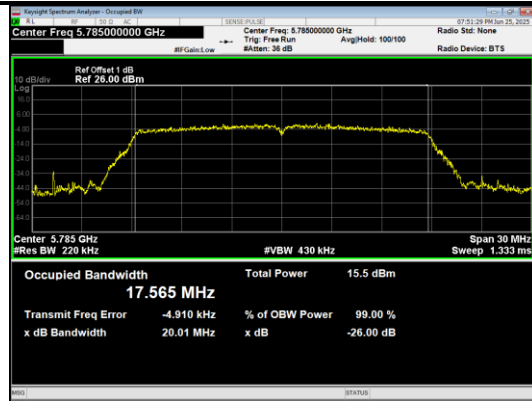
26dB Bandwidth

Test Result

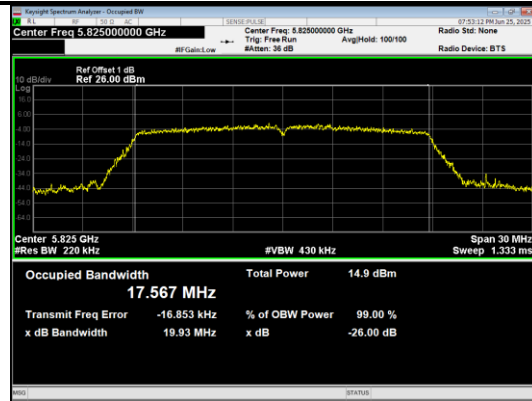
Mode	Channel	Ant.	Center Frequency (MHz)	26 dB Bandwidth (MHz)	RBW/EBW
IEEE 802.11a	149	0	5745	19.77	1.11
	157		5785	19.83	1.11
	165		5825	19.97	1.1
IEEE 802.11n_20	149		5745	20.32	1.1
	157		5785	20.01	1.11
	165		5825	19.93	1.12
IEEE 802.11n_40	151		5755	40.20	1.06
	159		5795	39.97	1.06
IEEE 802.11ac_20	149		5745	20.14	1.11
	157		5785	20.11	1.11
	165		5825	20.10	1.11
IEEE 802.11ac_40	151		5755	40.14	1.06
	159		5795	40.20	1.06
IEEE 802.11ac_80	155		5775	80.54	1.03

Test Graphs

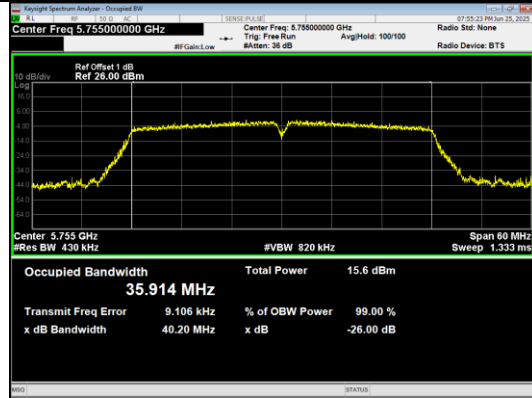




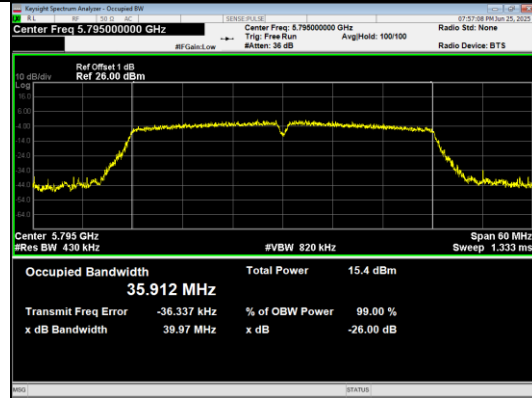
IEEE 802.11n_Channel 157_20MHz_Antenna 0



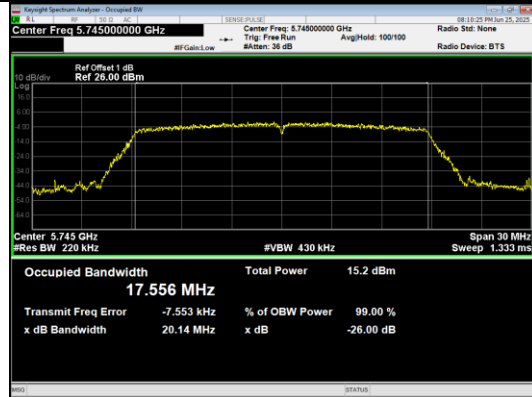
IEEE 802.11n_Channel 165_20MHz_Antenna 0



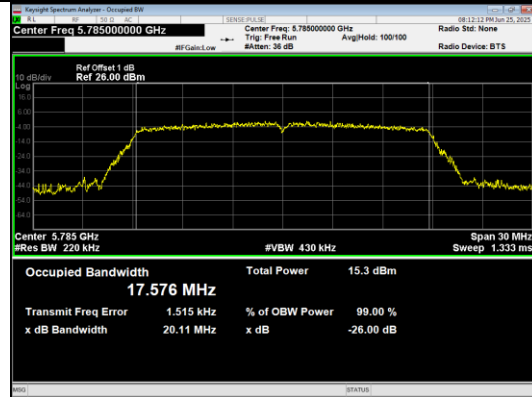
IEEE 802.11n_Channel 151_40MHz_Antenna 0



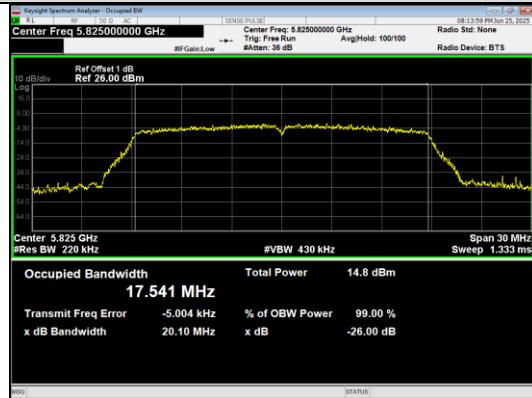
IEEE 802.11n_Channel 159_40MHz_Antenna 0



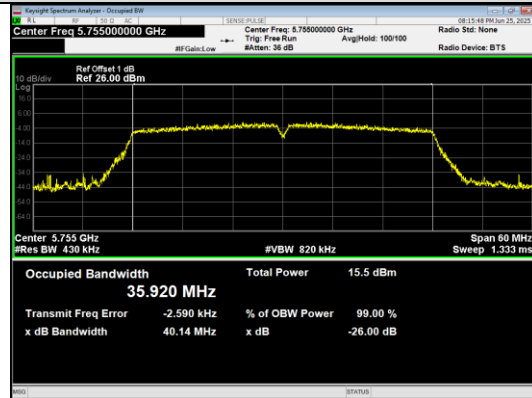
IEEE 802.11ac_Channel 149_20MHz_Antenna 0



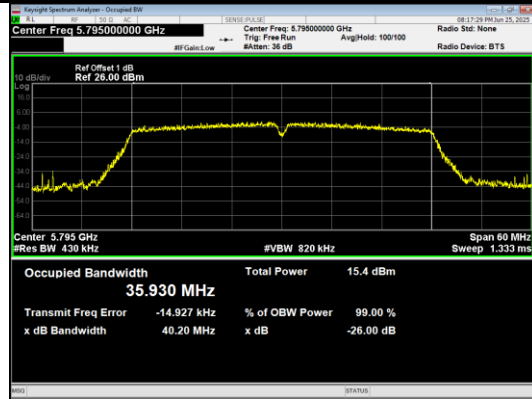
IEEE 802.11ac_Channel 157_20MHz_Antenna 0



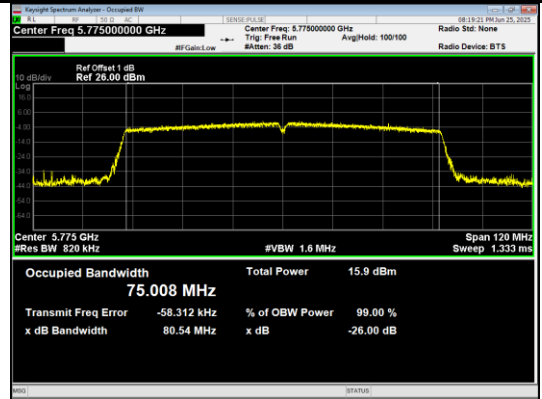
IEEE 802.11ac_Channel 165_20MHz_Antenna 0



IEEE 802.11ac_Channel 151_40MHz_Antenna 0



IEEE 802.11ac_Channel 159_40MHz_Antenna 0



IEEE 802.11ac_Channel 155_80MHz_Antenna 0

**Frequency Stability****Test Result**

Condition	Mode	Ch.	Antenna	Center Frequency (MHz)	Calculated Value of Center Frequency(MHz)	Result (ppm)	Limit (ppm)	State
NT/NV	IEEE 802.11a	149	0	5745.0	5744.968705	-5.45	Within authorized band	PASS
		157		5785.0	5784.968730	-5.41		PASS
		165		5825.0	5824.968430	-5.42		PASS
	IEEE 802.11n_20	149		5745.0	5744.969905	-5.24		PASS
		157		5785.0	5784.969293	-5.31		PASS
		165		5825.0	5824.968668	-5.38		PASS
	IEEE 802.11n_40	151		5755.0	5754.969080	-5.37		PASS
		159		5795.0	5794.967943	-5.53		PASS
	IEEE 802.11ac_20	149		5745.0	5744.968630	-5.46		PASS
		157		5785.0	5784.967830	-5.56		PASS
		165		5825.0	5824.967668	-5.55		PASS
	IEEE 802.11ac_40	151		5755.0	5754.967643	-5.62		PASS
		159		5795.0	5794.968043	-5.51		PASS
	IEEE 802.11ac_80	155		5775.0	5774.968380	-5.48		PASS

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