

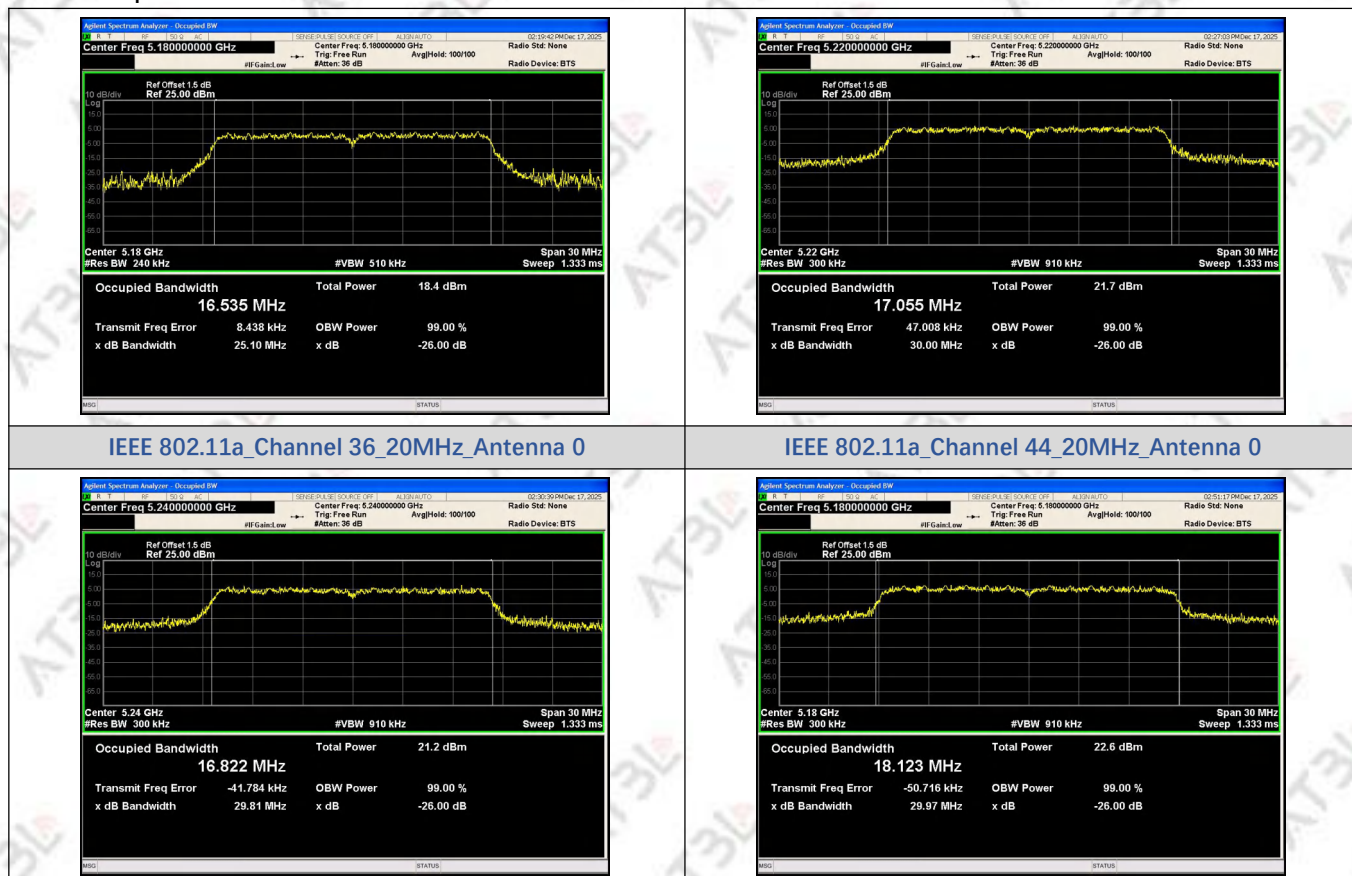
D1.Emission Bandwidth

26dB Bandwidth

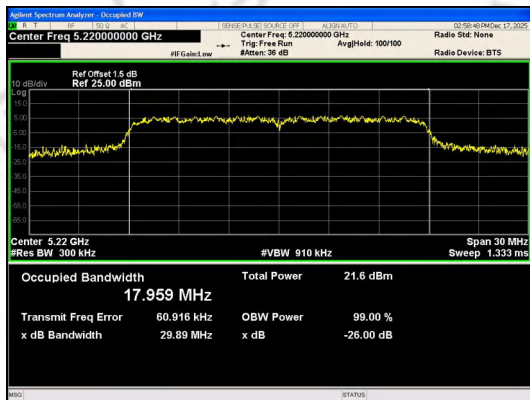
Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	26 dB Bandwidth (MHz)
IEEE 802.11a	36	0	5180	25.10
	44		5220	30.00
	48		5240	29.81
IEEE 802.11n_20	36		5180	29.97
	44		5220	29.89
	48		5240	29.71
IEEE 802.11n_40	38		5190	59.99
	46		5230	59.37
IEEE 802.11ac_20	36		5180	29.96
	44		5220	30.00
	48		5240	29.52
IEEE 802.11ac_40	38		5190	59.99
	46		5230	58.52
IEEE 802.11ac_80	42		5210	119.27

Test Graphs



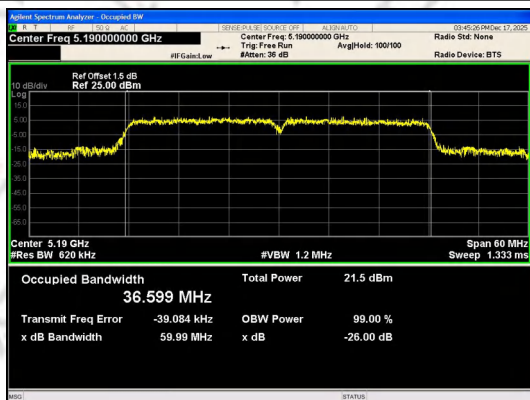
IEEE 802.11a_Channel 48_20MHz_Antenna 0



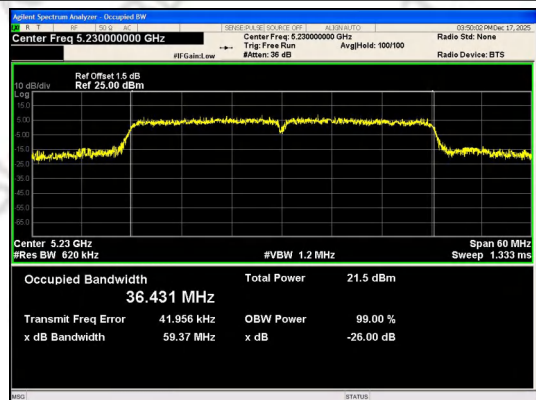
IEEE 802.11n_Channel 36_20MHz_Antenna 0



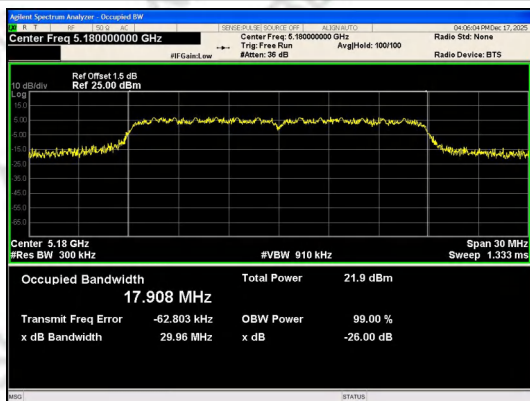
IEEE 802.11n_Channel 44_20MHz_Antenna 0



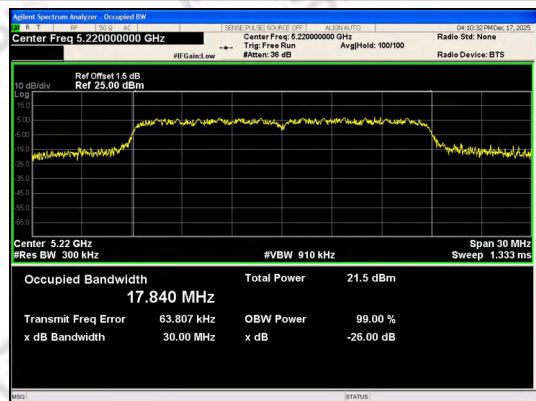
IEEE 802.11n_Channel 48_20MHz_Antenna 0



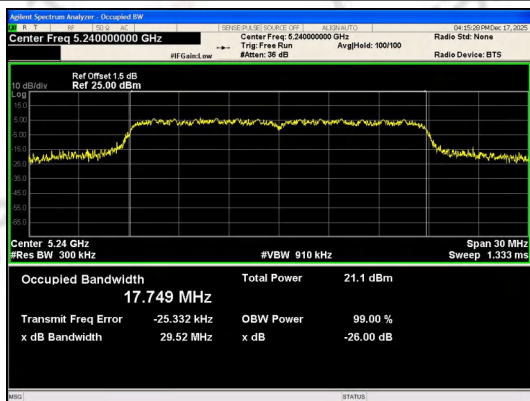
IEEE 802.11n_Channel 38_40MHz_Antenna 0



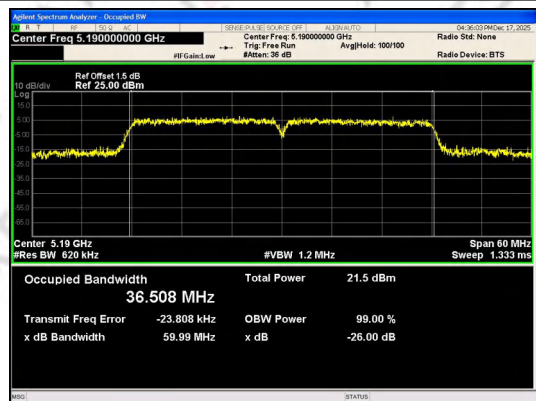
IEEE 802.11n_Channel 46_40MHz_Antenna 0



IEEE 802.11ac_Channel 36_20MHz_Antenna 0

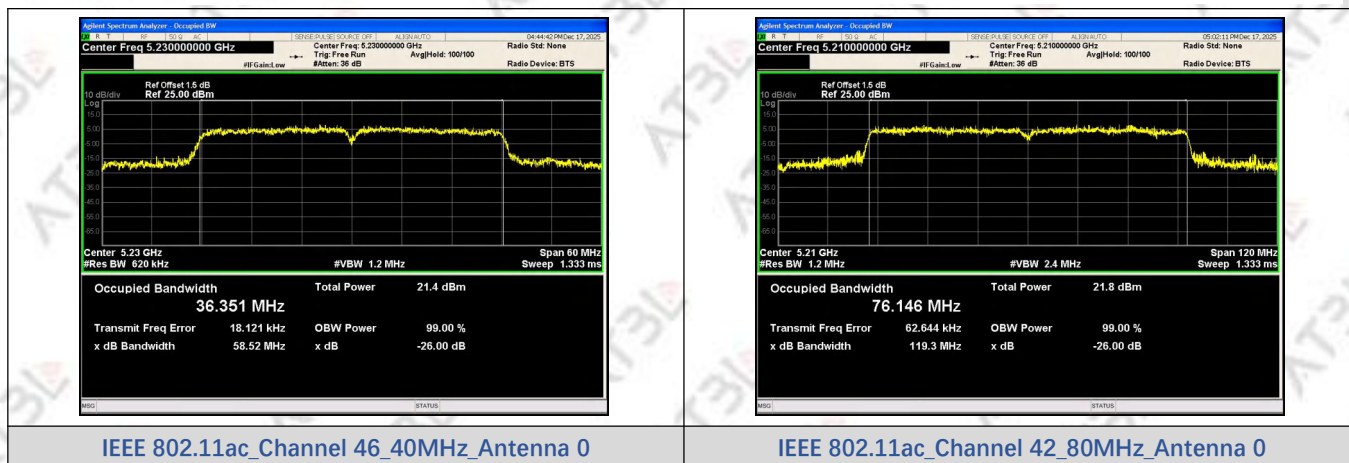


IEEE 802.11ac_Channel 44_20MHz_Antenna 0



IEEE 802.11ac_Channel 48_20MHz_Antenna 0

IEEE 802.11ac_Channel 38_40MHz_Antenna 0



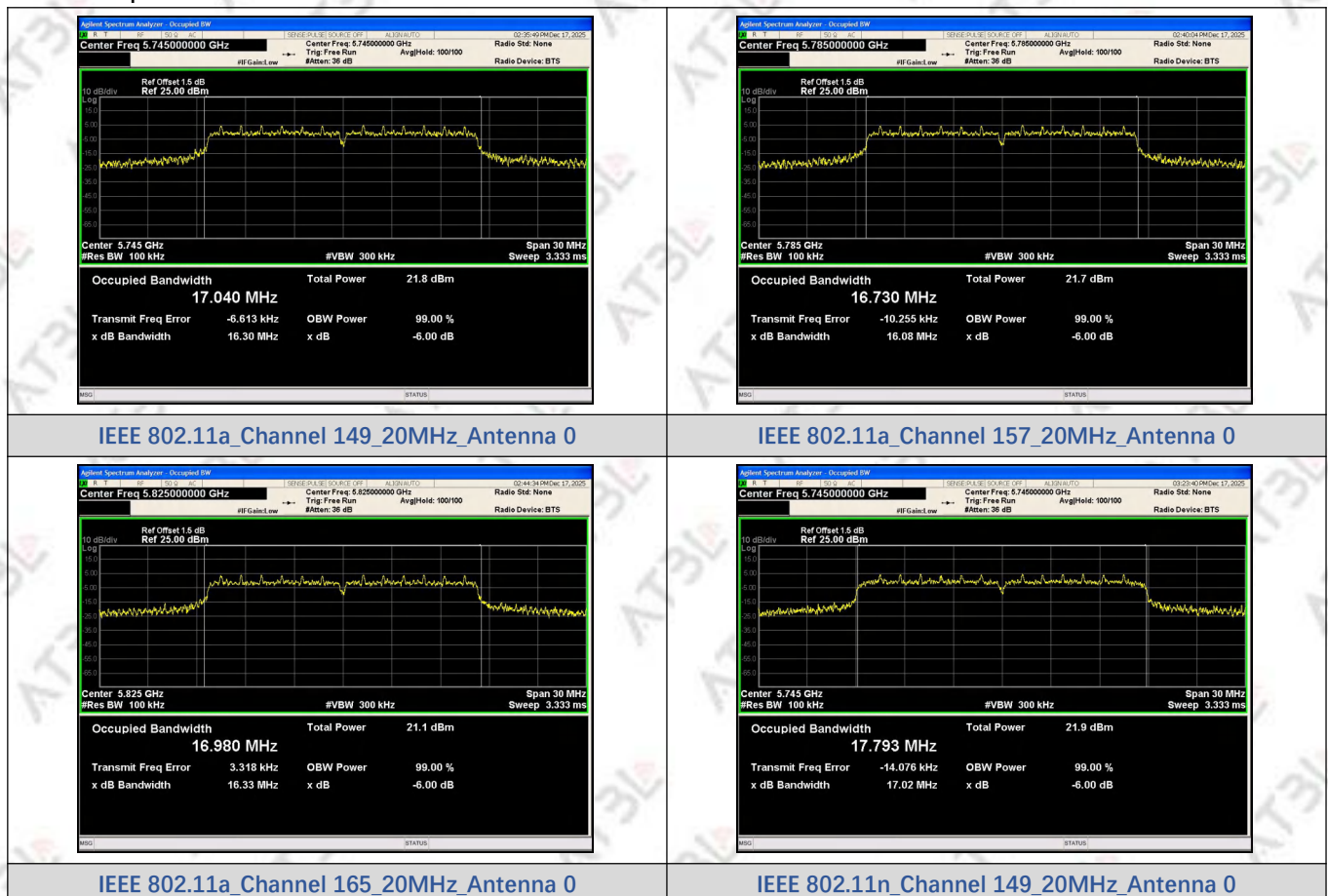
D2.Minimum Emission Bandwidth for the band 5.725–5.85 GHz

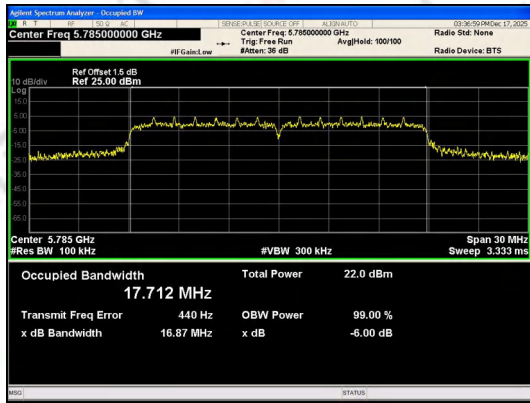
6dB Bandwidth

Test Result

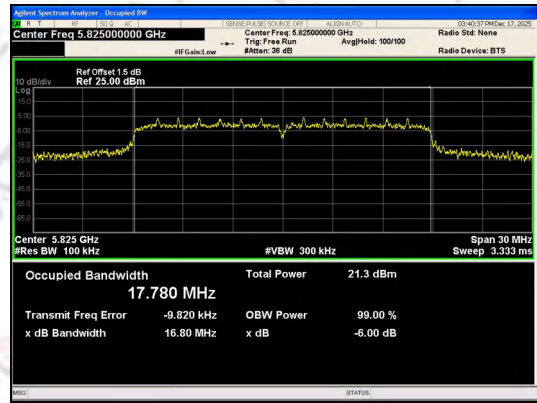
Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11a	149	0	5745	16.30	≥0.5	PASS
	157		5785	16.08		PASS
	165		5825	16.33		PASS
IEEE 802.11n_20	149		5745	17.02		PASS
	157		5785	16.87		PASS
	165		5825	16.80		PASS
IEEE 802.11n_40	151		5755	35.15		PASS
	159		5795	35.13		PASS
IEEE 802.11ac_20	149		5745	16.99		PASS
	157		5785	16.60		PASS
	165		5825	16.97		PASS
IEEE 802.11ac_40	151		5755	35.15		PASS
	159		5795	35.33		PASS
IEEE 802.11ac_80	155		5775	75.25		PASS

Test Graphs

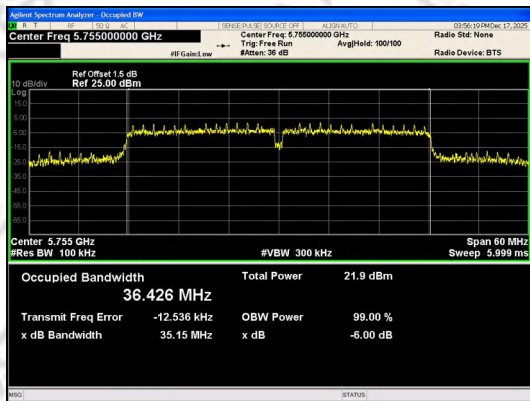




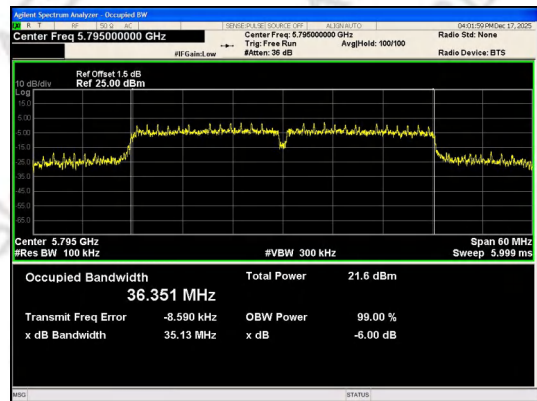
IEEE 802.11n_Channel 157_20MHz_Antenna 0



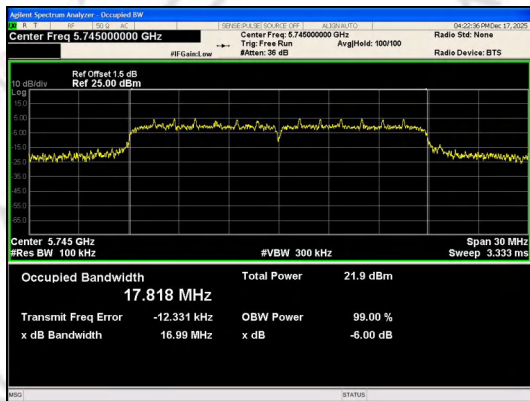
IEEE 802.11n_Channel 165_20MHz_Antenna 0



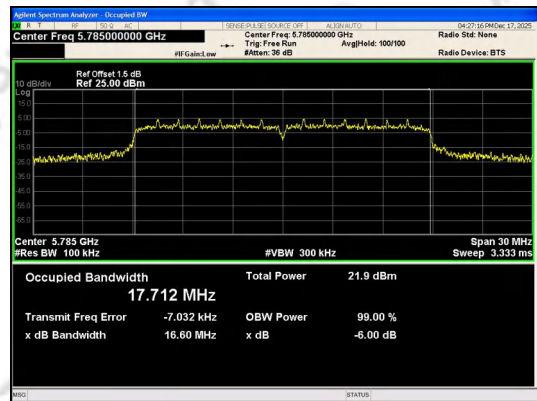
IEEE 802.11n_Channel 151_40MHz_Antenna 0



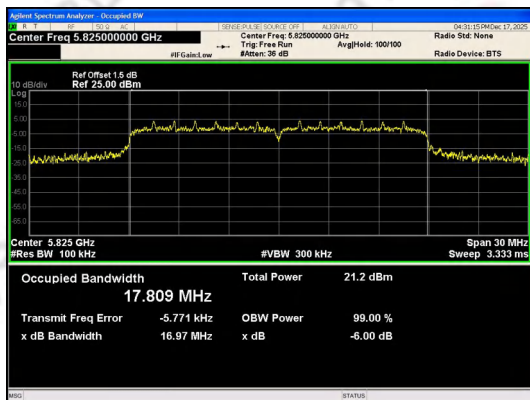
IEEE 802.11n_Channel 159_40MHz_Antenna 0



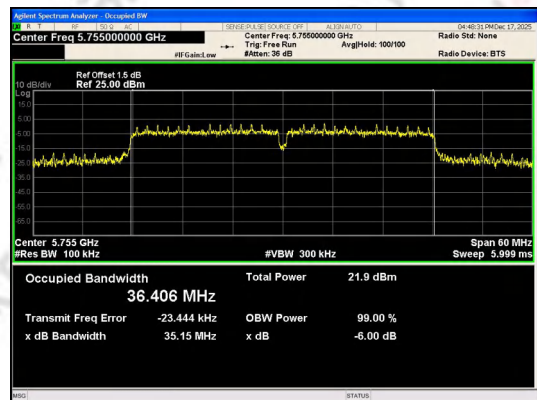
IEEE 802.11ac_Channel 149_20MHz_Antenna 0



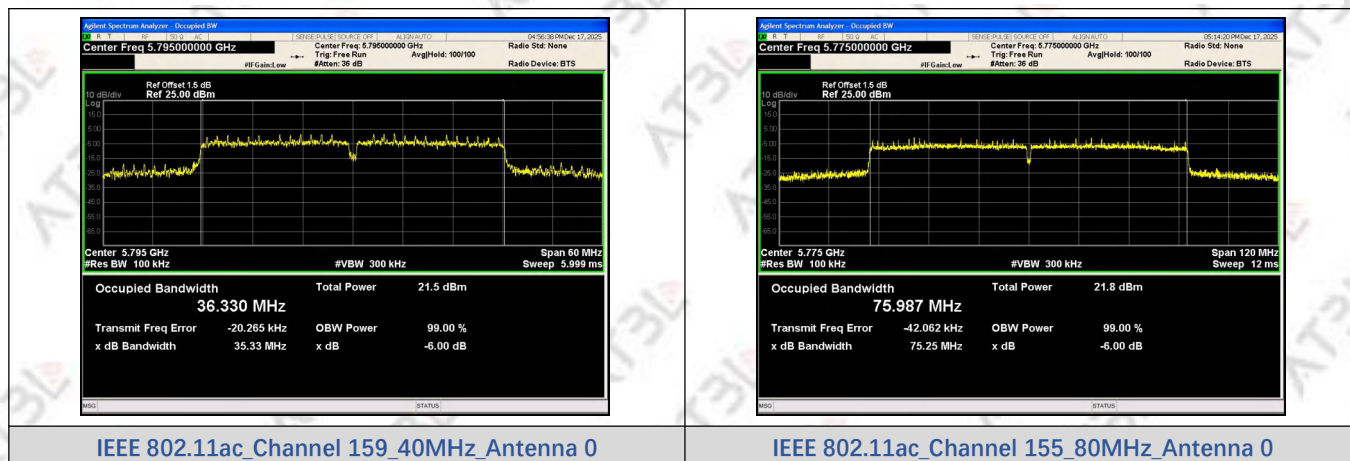
IEEE 802.11ac_Channel 157_20MHz_Antenna 0



IEEE 802.11ac_Channel 165_20MHz_Antenna 0



IEEE 802.11ac_Channel 151_40MHz_Antenna 0



D3.Maximum Conducted Average Output Power

Test Result

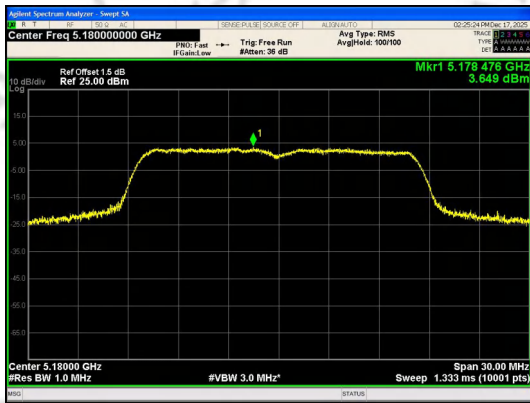
Mode	Channel	Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11a	36	13.96	≤30	PASS
	44	13.41	≤30	PASS
	48	13.21	≤30	PASS
	149	12.59	≤30	PASS
	157	12.79	≤30	PASS
	165	12.56	≤30	PASS
IEEE 802.11n_20	36	13.96	≤30	PASS
	44	13.36	≤30	PASS
	48	13.11	≤30	PASS
	149	12.86	≤30	PASS
	157	12.60	≤30	PASS
	165	12.61	≤30	PASS
IEEE 802.11n_40	38	12.41	≤30	PASS
	46	12.28	≤30	PASS
	151	11.76	≤30	PASS
	159	11.42	≤30	PASS
IEEE 802.11ac_20	36	14.09	≤30	PASS
	44	13.52	≤30	PASS
	48	13.32	≤30	PASS
	157	12.84	≤30	PASS
	165	12.72	≤30	PASS
	157	11.96	≤30	PASS
IEEE 802.11ac_40	38	12.53	≤30	PASS
	46	12.36	≤30	PASS
	151	11.78	≤30	PASS
	159	11.70	≤30	PASS
IEEE 802.11ac_80	42	12.26	≤30	PASS
	155	13.93	≤30	PASS

D4.Power Spectral Density

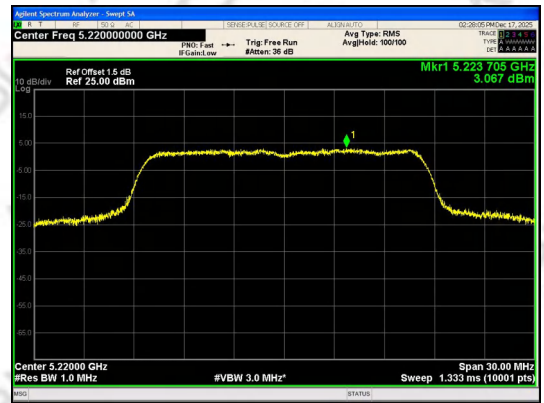
Test Result

Mode	Channel	Ant. 0 Meas PSD (dBm/MHz or dBm/0.5MHz)	Ant. 0 Corr'd PSD (dBm/MHz or dBm/0.5MHz)	Limit (dBm/MHz or dBm/0.5MHz)	Result
IEEE 802.11a	36	3.649	5.983	11	PASS
	44	3.067	5.603		PASS
	48	2.744	5.28		PASS
	149	-0.648	2.077	30	PASS
	157	-1.082	1.449		PASS
	165	-0.934	1.597		PASS
IEEE 802.11n_20	36	3.535	6.275	11	PASS
	44	2.914	5.46		PASS
	48	2.528	5.271		PASS
	149	-0.853	3.017	30	PASS
	157	-0.831	3.039		PASS
	165	-0.792	1.948		PASS
IEEE 802.11n_40	38	-0.482	3.002	11	PASS
	46	-0.567	2.912		PASS
	151	-4.684	0.386	30	PASS
	159	-4.643	-0.925		PASS
IEEE 802.11ac_20	36	3.491	5.904	11	PASS
	44	2.893	5.306		PASS
	48	2.778	5.191		PASS
	149	-0.742	1.477	30	PASS
	157	-0.917	1.492		PASS
	165	-1.630	0.963		PASS
IEEE 802.11ac_40	38	-0.867	2.362	11	PASS
	46	-0.424	2.808		PASS
	151	-4.113	-0.89	30	PASS
	159	-4.439	-0.191		PASS
IEEE 802.11ac_80	42	-2.581	-1.056	11	PASS
	155	-6.619	-5.164	30	PASS

Test Graphs



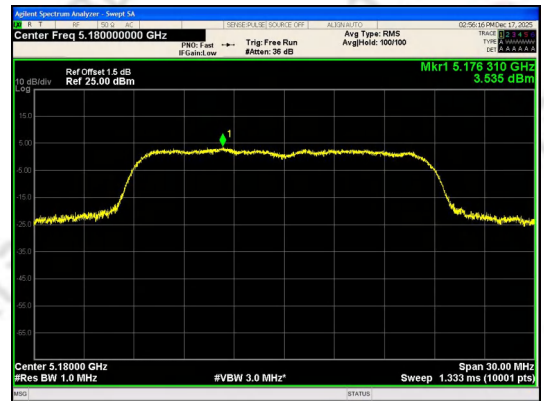
IEEE 802.11a_Channel 36_20MHz_Antenna 0



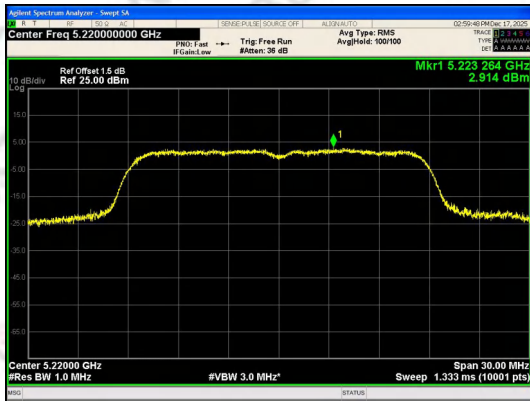
IEEE 802.11a_Channel 44_20MHz_Antenna 0



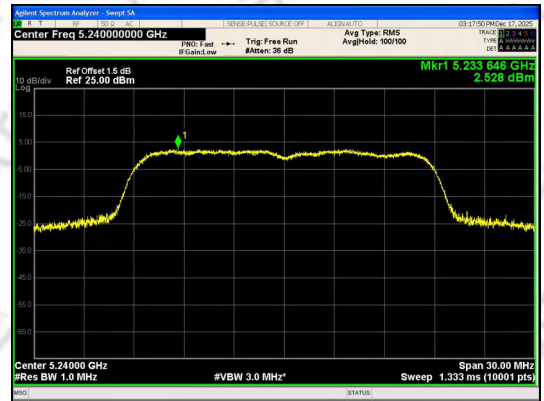
IEEE 802.11a_Channel 48_20MHz_Antenna 0



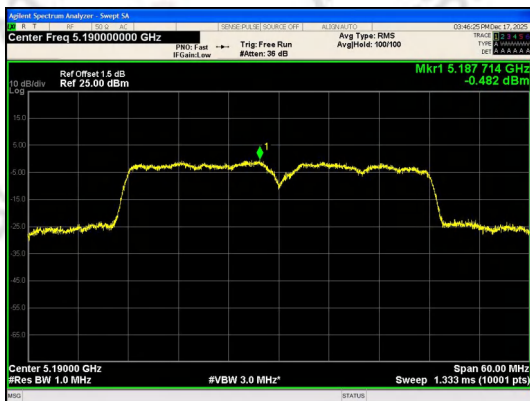
IEEE 802.11n_Channel 36_20MHz_Antenna 0



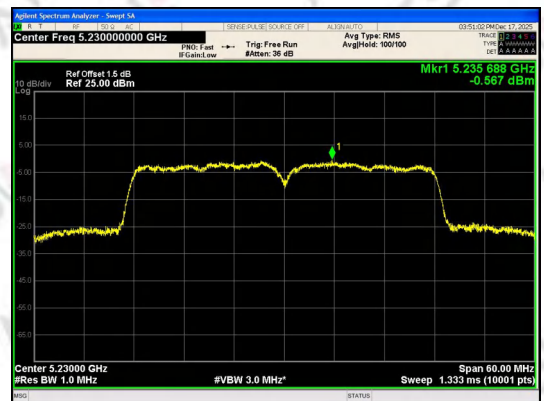
IEEE 802.11n_Channel 44_20MHz_Antenna 0



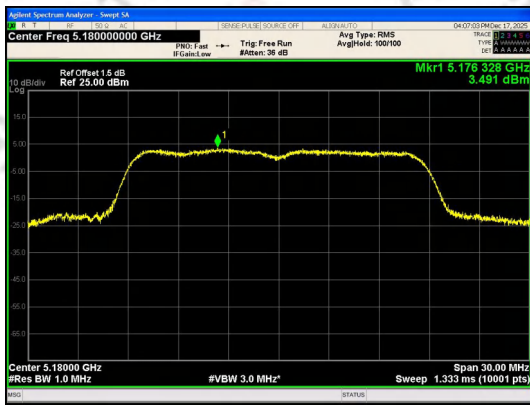
IEEE 802.11n_Channel 48_20MHz_Antenna 0



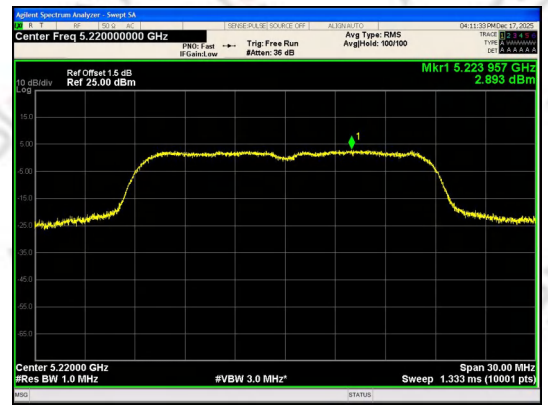
IEEE 802.11n_Channel 38_40MHz_Antenna 0



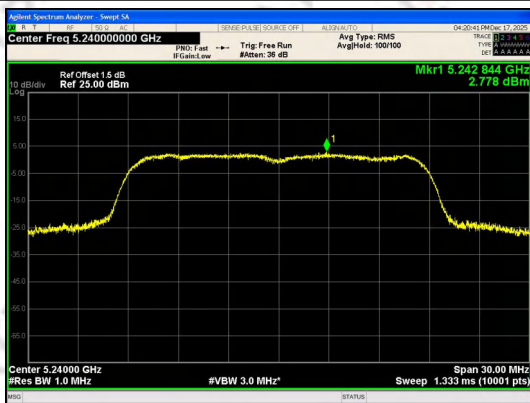
IEEE 802.11n_Channel 46_40MHz_Antenna 0



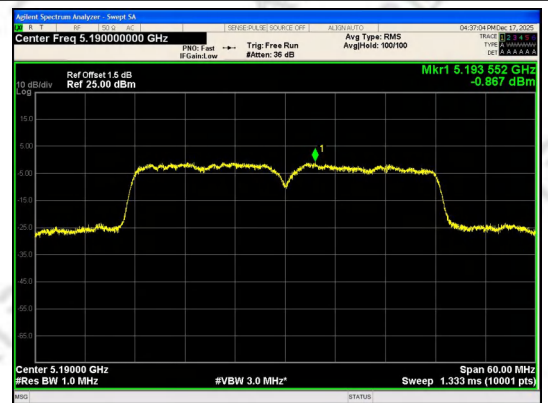
IEEE 802.11ac_Channel 36_20MHz_Antenna 0



IEEE 802.11ac_Channel 44_20MHz_Antenna 0



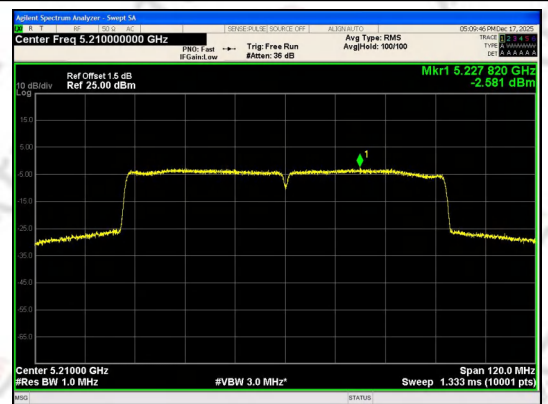
IEEE 802.11ac_Channel 48_20MHz_Antenna 0



IEEE 802.11ac_Channel 38_40MHz_Antenna 0



IEEE 802.11ac_Channel 46_40MHz_Antenna 0



IEEE 802.11ac_Channel 42_80MHz_Antenna 0



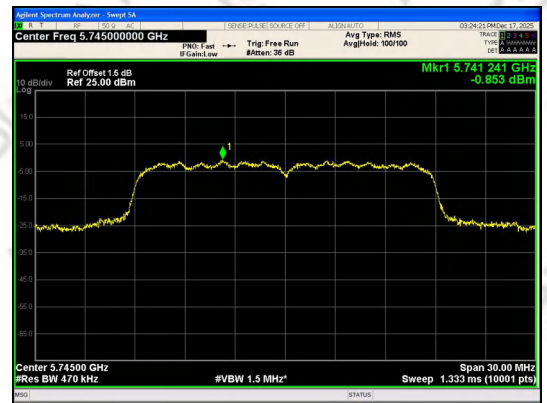
IEEE 802.11a_Channel 149_20MHz_Antenna 0



IEEE 802.11a_Channel 157_20MHz_Antenna 0



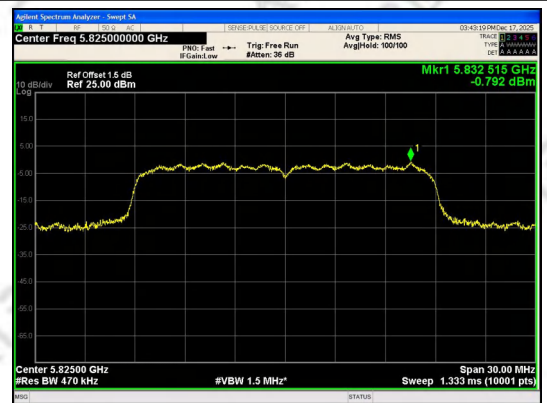
IEEE 802.11a_Channel 165_20MHz_Antenna 0



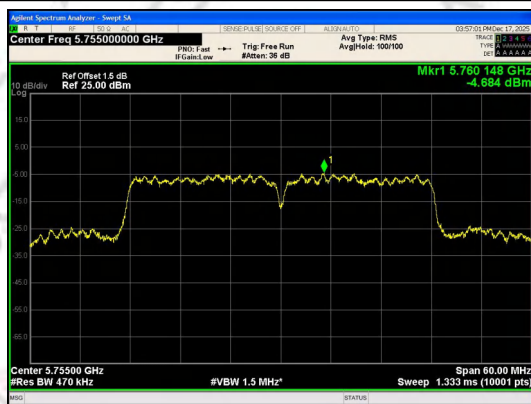
IEEE 802.11n_Channel 149_20MHz_Antenna 0



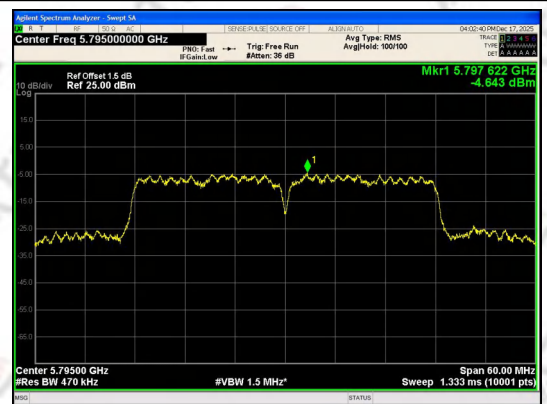
IEEE 802.11n_Channel 157_20MHz_Antenna 0



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



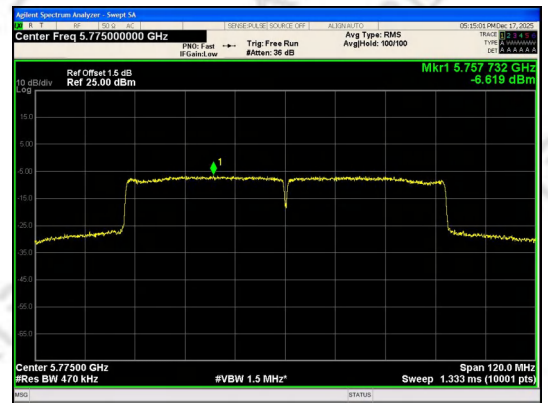
IEEE 802.11ac_Channel 165_20MHz_Antenna 0



IEEE 802.11ac_Channel 151_40MHz_Antenna 0



IEEE 802.11ac_Channel 159_40MHz_Antenna 0



IEEE 802.11ac_Channel 155_80MHz_Antenna 0

D5.Conducted Spurious & Band Edge Emission

Test Result

Mode	Channel	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
IEEE 802.11a	36	0	5147.04	-36.530	-27	-10.000	PASS
			5147.44	-35.298	-27	-8.300	PASS
			5150.00	-36.587	-27	-10.000	PASS
			5350.00	-49.082	-27	-22.000	PASS
			5786.72	-44.854	-27	-17.850	PASS
	44		2461.23	-38.143	-27	-11.140	PASS
			5150.00	-45.409	-27	-18.000	PASS
			5350.00	-49.609	-27	-23.000	PASS
			5437.92	-49.342	-27	-22.000	PASS
			5783.77	-42.969	-27	-15.970	PASS
	48		2460.72	-44.551	-27	-17.550	PASS
			5148.00	-50.120	-27	-23.000	PASS
			5150.00	-50.397	-27	-23.000	PASS
			5350.00	-49.780	-27	-23.000	PASS
			5446.56	-49.682	-27	-23.000	PASS
IEEE 802.11n_20	36		6288.29	-50.610	-27	-23.610	PASS
			5147.04	-28.192	-27	-1.000	PASS
			5148.72	-28.377	-27	-1.380	PASS
			5150.00	-28.777	-27	-2.000	PASS
			5350.00	-50.578	-27	-24.000	PASS
			5452.32	-50.390	-27	-23.000	PASS
	44		5779.35	-42.701	-27	-15.700	PASS
			2461.36	-40.946	-27	-13.950	PASS
			5149.92	-45.096	-27	-18.000	PASS
			5150.00	-45.096	-27	-18.000	PASS
			5350.00	-50.845	-27	-24.000	PASS
			5460.00	-50.202	-27	-23.000	PASS
	48		5786.72	-46.021	-27	-19.020	PASS
			2460.85	-38.585	-27	-11.590	PASS
			5149.92	-52.040	-27	-25.000	PASS
5150.00			-52.040	-27	-25.000	PASS	
5350.00			-50.897	-27	-24.000	PASS	
IEEE 802.11n_40	38		5460.00	-50.585	-27	-24.000	PASS
			6288.29	-56.164	-27	-29.160	PASS
			5150.00	-35.646	-27	-9.000	PASS
			5150.00	-35.690	-27	-8.690	PASS
			5350.00	-50.934	-27	-24.000	PASS
				5460.00	-50.828	-27	-24.000
			6228.35	-54.279	-27	-27.280	PASS

	46		5144.24	-36.470	-27	-9.470	PASS
			5148.96	-37.350	-27	-10.000	PASS
			5150.00	-38.868	-27	-12.000	PASS
			5350.00	-46.735	-27	-20.000	PASS
			5365.92	-43.848	-27	-17.000	PASS
			5782.79	-42.553	-27	-15.550	PASS
IEEE 802.11ac_20	36		2434.74	-37.765	-27	-10.770	PASS
			5149.92	-39.523	-27	-13.000	PASS
			5150.00	-39.523	-27	-13.000	PASS
			5350.00	-50.815	-27	-24.000	PASS
			5460.00	-50.744	-27	-24.000	PASS
			5792.12	-44.196	-27	-17.200	PASS
	44		2460.59	-40.959	-27	-13.960	PASS
			5144.16	-49.296	-27	-22.000	PASS
			5150.00	-50.856	-27	-24.000	PASS
			5350.00	-50.634	-27	-24.000	PASS
			5459.04	-50.084	-27	-23.000	PASS
			6264.22	-54.240	-27	-27.240	PASS
	48		2563.12	-32.907	-27	-5.910	PASS
			5148.96	-50.111	-27	-23.000	PASS
			5150.00	-50.277	-27	-23.000	PASS
			5350.00	-49.637	-27	-23.000	PASS
			5454.24	-48.930	-27	-22.000	PASS
			6288.29	-53.413	-27	-26.410	PASS
IEEE 802.11ac_40	38		2538.93	-27.317	-27	-0.320	PASS
			5150.00	-35.641	-27	-9.000	PASS
			5350.00	-49.674	-27	-23.000	PASS
			5447.52	-48.995	-27	-22.000	PASS
			6228.35	-56.849	-27	-29.850	PASS
	46		2548.53	-29.146	-27	-2.150	PASS
			5149.92	-38.925	-27	-12.000	PASS
			5150.00	-38.925	-27	-12.000	PASS
			5350.00	-45.002	-27	-18.000	PASS
			5350.56	-44.632	-27	-18.000	PASS
IEEE 802.11ac_80	42		5350.98	-46.072	-27	-19.070	PASS
			5147.82	-35.295	-27	-8.300	PASS
			5149.92	-35.265	-27	-8.000	PASS
			5150.00	-35.265	-27	-8.000	PASS
			5350.00	-48.323	-27	-21.000	PASS
			5362.08	-48.076	-27	-21.000	PASS
			5779.84	-47.269	-27	-20.270	PASS
Note: input compensation coefficient (dB)= Cable Loss (dB)							

Note: input compensation coefficient (dB)= Cable Loss (dB)

Mode	Channel	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
IEEE 802.11a	149	0	2461.07	-39.794	-27	-12.790	PASS
			5610.12	-46.770	-27.0	-19.770	PASS
			5651.38	-47.780	-25.98	-21.800	PASS
			5715.12	-22.510	14.23	-36.740	PASS
			5723.00	-14.170	22.44	-36.610	PASS
			5743.62	14.070	27.0	-12.930	PASS
			5854.62	-49.650	16.46	-66.110	PASS
			5871.88	-47.670	10.88	-58.550	PASS
			5924.75	-48.740	-26.81	-21.930	PASS
			5972.00	-47.370	-27.0	-20.370	PASS
	11486.3		-45.743	-27	-18.740	PASS	
	157		4628.28	-42.135	-27	-15.130	PASS
			5625.50	-46.830	-27.0	-19.830	PASS
			5653.25	-47.200	-24.6	-22.600	PASS
			5703.12	-46.190	10.88	-57.070	PASS
			5720.38	-46.620	16.45	-63.070	PASS
			5783.75	13.530	27.0	-13.470	PASS
			5854.62	-47.390	16.45	-63.840	PASS
			5874.88	-48.190	10.03	-58.220	PASS
			5924.75	-49.010	-26.81	-22.200	PASS
			5965.62	-47.150	-27.0	-20.150	PASS
	11575.0		-43.244	-27	-16.240	PASS	
	165		2589.35	-29.105	-27	-2.110	PASS
			5644.25	-47.000	-27.0	-20.000	PASS
			5651.75	-47.630	-25.71	-21.920	PASS
			5700.12	-48.350	10.04	-58.390	PASS
			5720.75	-48.470	17.31	-65.780	PASS
			5818.25	13.470	27.0	-13.530	PASS
			5854.62	-26.720	16.46	-43.180	PASS
			5855.38	-25.920	15.5	-41.420	PASS
5924.00			-46.960	-26.26	-20.700	PASS	
5959.62			-46.680	-27.0	-19.680	PASS	
11650.8	-44.197		-27	-17.200	PASS		
IEEE 802.11n_20	149		2461.35	-42.239	-27	-15.240	PASS
			5615.00	-47.010	-27.0	-20.010	PASS
			5650.62	-47.860	-26.54	-21.320	PASS
			5719.25	-20.860	15.39	-36.250	PASS
			5720.00	-16.750	15.6	-32.350	PASS
			5751.12	14.080	27.0	-12.920	PASS
			5854.62	-48.690	16.46	-65.150	PASS
		5874.88	-49.410	10.03	-59.440	PASS	

		5924.75	-49.170	-26.81	-22.360	PASS
		5927.38	-47.030	-27.0	-20.030	PASS
		11492.0	-44.280	-27	-17.280	PASS
157		2464.02	-39.088	-27	-12.090	PASS
		5615.38	-46.960	-27.0	-19.960	PASS
		5651.75	-48.530	-25.7	-22.830	PASS
		5702.38	-47.090	10.67	-57.760	PASS
		5720.00	-47.280	15.6	-62.880	PASS
		5777.75	13.400	27.0	-13.600	PASS
		5854.62	-48.450	16.46	-64.910	PASS
		5874.12	-48.370	10.25	-58.620	PASS
		5922.12	-47.350	-24.87	-22.480	PASS
		5962.62	-47.340	-27.0	-20.340	PASS
		11575.0	-44.606	-27	-17.610	PASS
		4660.32	-41.914	-27	-14.910	PASS
		5623.62	-46.910	-27.0	-19.910	PASS
		5651.00	-48.170	-26.26	-21.910	PASS
		5700.50	-46.830	10.14	-56.970	PASS
165		5720.00	-49.290	15.6	-64.890	PASS
		5827.25	12.730	27.0	-14.270	PASS
		5854.25	-26.950	17.31	-44.260	PASS
		5858.00	-26.580	14.76	-41.340	PASS
		5924.75	-48.410	-26.81	-21.600	PASS
		5939.38	-47.030	-27.0	-20.030	PASS
		11648.0	-45.472	-27	-18.470	PASS
		2528.23	-29.210	-27	-2.210	PASS
		5635.25	-47.600	-27.0	-20.600	PASS
		5651.00	-47.790	-26.26	-21.530	PASS
		5719.62	-21.510	15.5	-37.010	PASS
		5720.00	-21.840	15.6	-37.440	PASS
		5739.88	6.990	27.0	-20.010	PASS
		5854.62	-49.520	16.45	-65.970	PASS
		5870.75	-47.870	11.19	-59.060	PASS
IEEE 802.11n_40	151	5924.38	-49.830	-26.53	-23.300	PASS
		5946.12	-48.060	-27.0	-21.060	PASS
		11510.2	-51.440	-27	-24.440	PASS
		2436.34	-40.081	-27	-13.080	PASS
		5623.25	-47.230	-27.0	-20.230	PASS
		5651.00	-48.490	-26.26	-22.230	PASS
		5718.88	-34.200	15.29	-49.490	PASS
		5720.00	-36.170	15.6	-51.770	PASS
		5807.00	11.320	27.0	-15.680	PASS
		5854.25	-28.020	17.31	-45.330	PASS
		5856.12	-27.320	15.28	-42.600	PASS
		5924.38	-48.580	-26.53	-22.050	PASS
	159					

IEEE 802.11ac_20	149	5960.00	-47.340	-27.0	-20.340	PASS
		11586.9	-46.133	-27	-19.130	PASS
		2525.70	-35.438	-27	-8.440	PASS
		5646.50	-46.750	-27.0	-19.750	PASS
		5651.38	-48.320	-25.99	-22.330	PASS
		5718.88	-29.500	15.28	-44.780	PASS
		5721.12	-27.600	18.17	-45.770	PASS
		5738.38	9.740	27.0	-17.260	PASS
		5854.62	-48.460	16.45	-64.910	PASS
		5874.12	-36.870	10.24	-47.110	PASS
		5924.75	-48.930	-26.81	-22.120	PASS
		5936.38	-43.480	-27.0	-16.480	PASS
		11483.0	-48.910	-27	-21.910	PASS
		2523.31	-34.393	-27	-7.390	PASS
IEEE 802.11ac_20	157	5621.00	-46.070	-27.0	-19.070	PASS
		5653.25	-46.810	-24.6	-22.210	PASS
		5700.88	-47.360	10.25	-57.610	PASS
		5720.00	-47.490	15.6	-63.090	PASS
		5779.62	13.890	27.0	-13.110	PASS
		5854.62	-48.250	16.46	-64.710	PASS
		5873.75	-47.800	10.35	-58.150	PASS
		5924.38	-48.830	-26.53	-22.300	PASS
		5930.75	-47.180	-27.0	-20.180	PASS
		11562.6	-43.857	-27	-16.860	PASS
		4660.60	-45.516	-27	-18.520	PASS
		5612.00	-47.270	-27.0	-20.270	PASS
		5653.62	-46.400	-24.31	-22.090	PASS
		5707.62	-46.550	12.14	-58.690	PASS
		5720.00	-48.460	15.6	-64.060	PASS
IEEE 802.11ac_40	165	5831.00	9.460	27.0	-17.540	PASS
		5853.50	-29.900	19.02	-48.920	PASS
		5857.25	-30.590	14.97	-45.560	PASS
		5923.62	-48.180	-25.98	-22.200	PASS
		5937.12	-47.300	-27.0	-20.300	PASS
		11650.4	-48.879	-27	-21.880	PASS
		2460.93	-37.902	-27	-10.900	PASS
		5606.38	-47.190	-27.0	-20.190	PASS
		5650.25	-49.240	-26.82	-22.420	PASS
		5716.25	-28.740	14.55	-43.290	PASS
		5721.88	-21.620	19.88	-41.500	PASS
		5757.50	5.390	27.0	-21.610	PASS
		5854.62	-50.000	16.45	-66.450	PASS
		5873.75	-48.520	10.35	-58.870	PASS
		5924.00	-49.430	-26.26	-23.170	PASS
		5972.00	-47.180	-27.0	-20.180	PASS
IEEE 802.11ac_40	151	5606.38	-47.190	-27.0	-20.190	PASS
		5650.25	-49.240	-26.82	-22.420	PASS
		5716.25	-28.740	14.55	-43.290	PASS
		5721.88	-21.620	19.88	-41.500	PASS
		5757.50	5.390	27.0	-21.610	PASS
		5854.62	-50.000	16.45	-66.450	PASS
		5873.75	-48.520	10.35	-58.870	PASS
		5924.00	-49.430	-26.26	-23.170	PASS
		5972.00	-47.180	-27.0	-20.180	PASS
		5606.38	-47.190	-27.0	-20.190	PASS
		5650.25	-49.240	-26.82	-22.420	PASS
		5716.25	-28.740	14.55	-43.290	PASS
		5721.88	-21.620	19.88	-41.500	PASS
		5757.50	5.390	27.0	-21.610	PASS
		5854.62	-50.000	16.45	-66.450	PASS