

D3.Maximum Conducted Average Output Power

Test Result

Mode	Channel	Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11a	36	12.73	≤23.97	PASS
	40	12.81	≤23.97	PASS
	48	12.44	≤23.97	PASS
	149	10.22	≤30	PASS
	157	9.3	≤30	PASS
	165	8.56	≤30	PASS
IEEE 802.11n_20	36	12.03	≤23.97	PASS
	40	11.41	≤23.97	PASS
	48	12.85	≤23.97	PASS
	149	8.13	≤30	PASS
	157	7.31	≤30	PASS
	165	6.61	≤30	PASS
IEEE 802.11n_40	38	11.75	≤23.97	PASS
	46	10.62	≤23.97	PASS
	151	11.42	≤30	PASS
	159	10.75	≤30	PASS
IEEE 802.11ac_20	36	11.7	≤23.97	PASS
	40	11.66	≤23.97	PASS
	48	11.64	≤23.97	PASS
	149	11.41	≤30	PASS
	157	9.94	≤30	PASS
	165	9.21	≤30	PASS
IEEE 802.11ac_40	38	11.93	≤23.97	PASS
	46	12.23	≤23.97	PASS
	151	11.04	≤30	PASS
	159	10.12	≤30	PASS
IEEE 802.11ac_80	42	12.22	≤23.97	PASS
	155	11.53	≤30	PASS

D4.Power Spectral Density

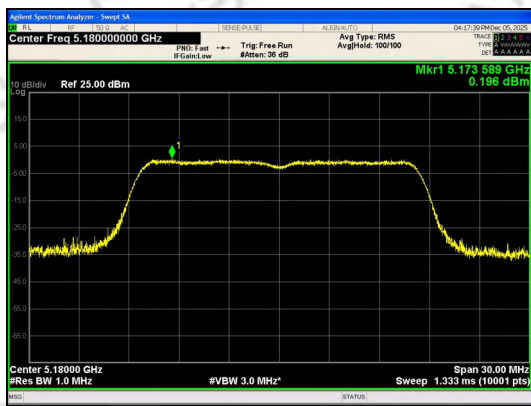
Test Result

Mode	Channel	Ant. 0 Meas PSD (dBm/MHz or dBm/0.5MHz)	Duty Cycle Factor (dB)	Ant. 0 Corr'd PSD (dBm/MHz or dBm/0.5MHz)	Limit (dBm/MHz or dBm/0.5MHz)	Result
IEEE 802.11a	36	0.196	2.1567	2.3527	11	PASS
	40	0.245	2.1602	2.4052		PASS
	48	0.014	1.9477	1.9617		PASS
	149	-5.780	1.9368	-3.8432	30	PASS
	157	-6.581	1.9307	-4.6503		PASS
	165	-7.148	2.1431	-5.0049		PASS
IEEE 802.11n_20	36	-0.755	1.9572	1.2022	11	PASS
	40	-1.449	1.9511	0.5021		PASS
	48	0.165	1.9586	2.1236		PASS
	149	-5.504	2.1703	-3.3337	30	PASS
	157	-6.085	2.1738	-3.9112		PASS
	165	-6.836	0.017	-6.819		PASS
IEEE 802.11n_40	38	-4.183	2.7124	-1.4706	11	PASS
	46	-5.735	3.0051	-2.7299		PASS
	151	-6.993	3.5144	-3.4786	30	PASS
	159	-7.647	2.723	-4.924		PASS
IEEE 802.11ac_20	36	-0.637	1.8449	1.2079	11	PASS
	40	-0.656	2.0586	1.4026		PASS
	48	-0.782	1.8449	1.0629		PASS
	149	-3.909	1.8349	-2.0741	30	PASS
	157	-5.553	2.0489	-3.5041		PASS
	165	-6.128	1.8349	-4.2931		PASS
IEEE 802.11ac_40	38	-4.380	2.772	-1.608	11	PASS
	46	-4.562	2.508	-2.054		PASS
	151	-6.622	2.5065	-4.1155	30	PASS
	159	-8.331	2.5034	-5.8276		PASS
IEEE 802.11ac_80	42	-7.545	0.0157	-7.5293	11	PASS
	155	-10.470	3.4746	-6.9954	30	PASS

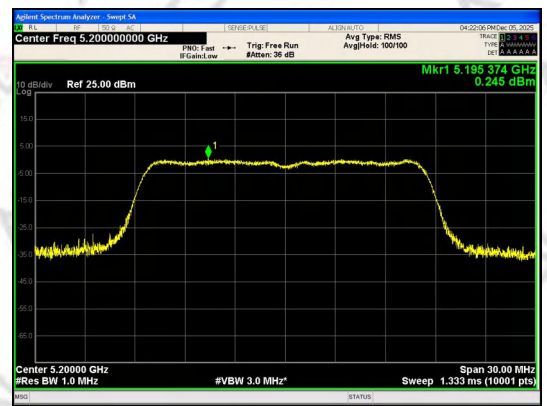
Note:

Corr'd PSD= Meas PSD+Duty Cycle Factor (dB)

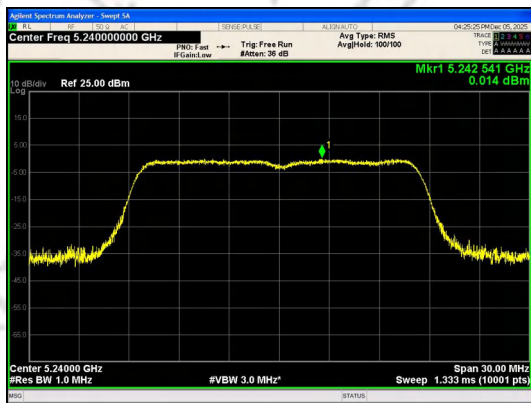
Test Graphs



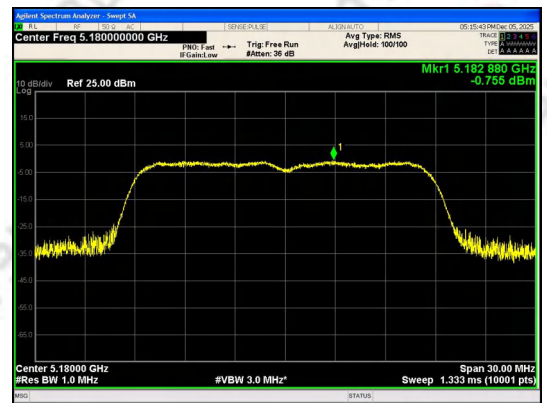
IEEE 802.11a_Channel 36_20MHz_Antenna 0



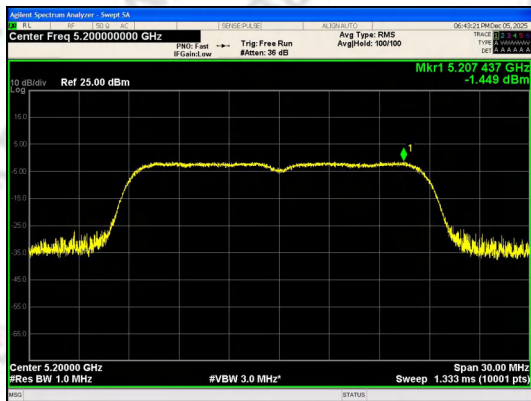
IEEE 802.11a_Channel 40_20MHz_Antenna 0



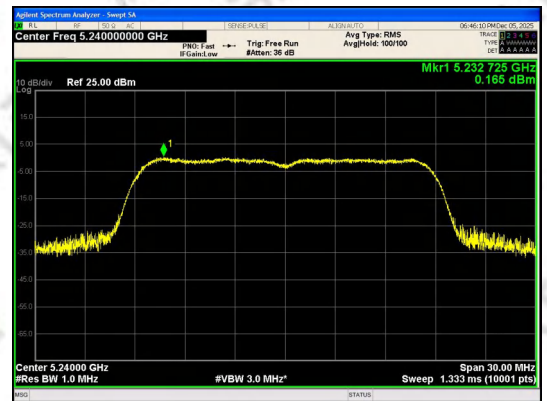
IEEE 802.11a_Channel 48_20MHz_Antenna 0



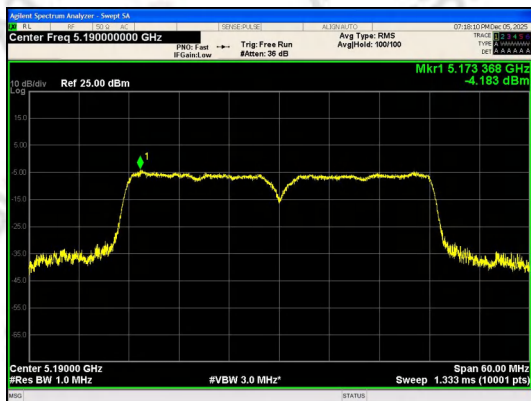
IEEE 802.11n_Channel 36_20MHz_Antenna 0



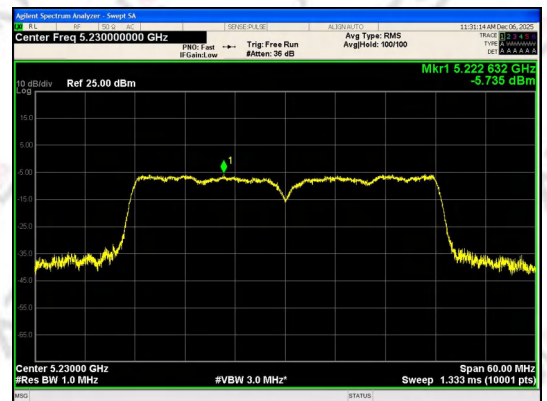
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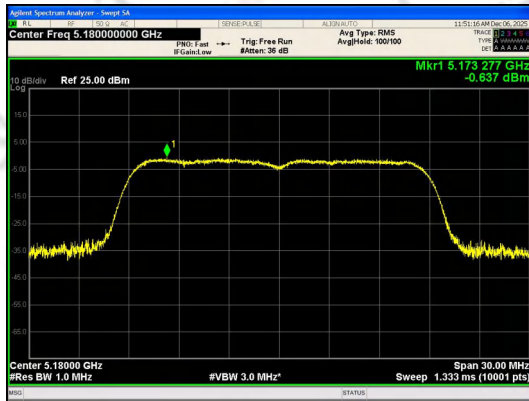
IEEE 802.11n_Channel 48_20MHz_Antenna 0



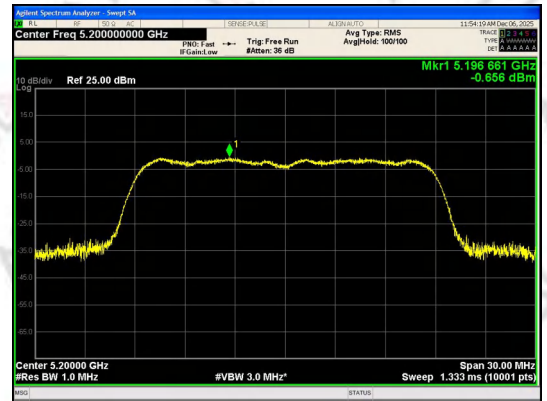
IEEE 802.11n_Channel 38_40MHz_Antenna 0



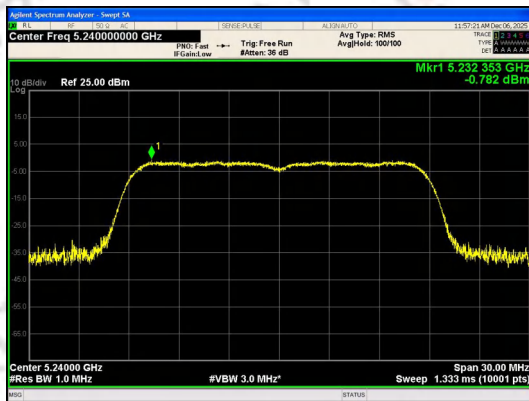
IEEE 802.11n_Channel 46_40MHz_Antenna 0



IEEE 802.11ac_Channel 36_20MHz_Antenna 0



IEEE 802.11ac_Channel 40_20MHz_Antenna 0



IEEE 802.11ac_Channel 48_20MHz_Antenna 0



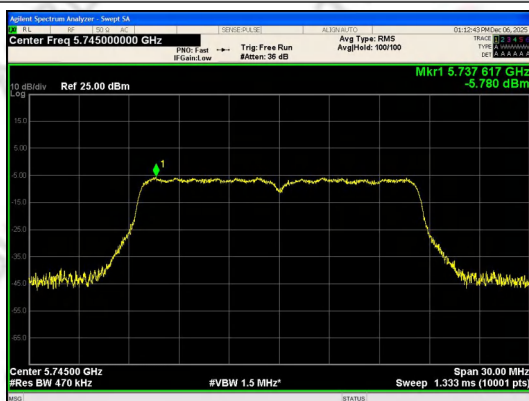
IEEE 802.11ac_Channel 38_40MHz_Antenna 0



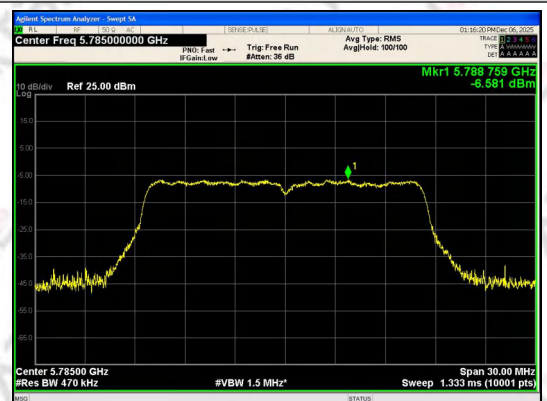
IEEE 802.11ac_Channel 46_40MHz_Antenna 0



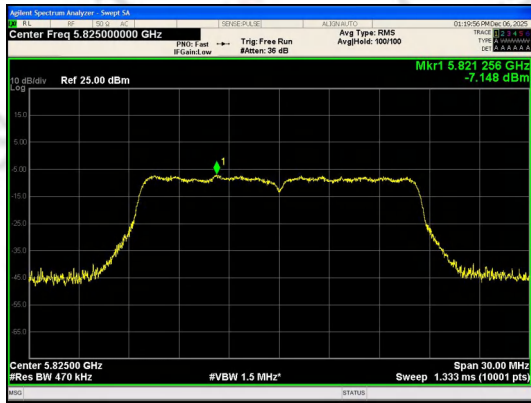
IEEE 802.11ac_Channel 42_80MHz_Antenna 0



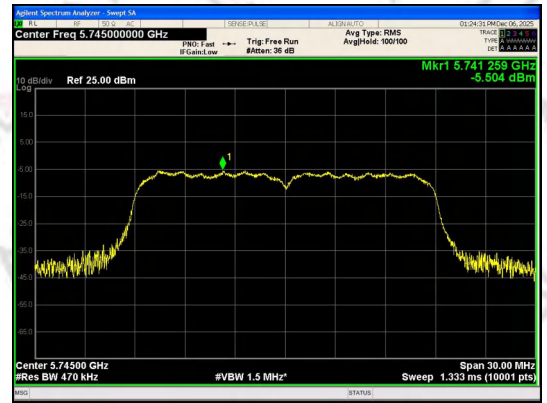
IEEE 802.11a_Channel 149_20MHz_Antenna 0



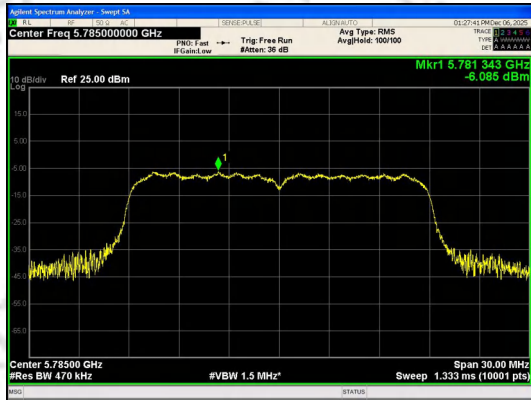
IEEE 802.11a_Channel 157_20MHz_Antenna 0



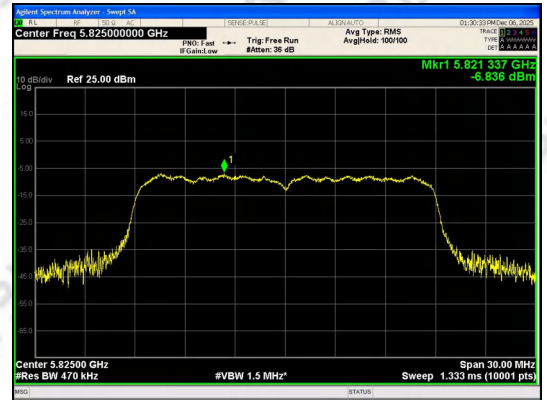
IEEE 802.11a_Channel 165_20MHz_Antenna 0



IEEE 802.11n_Channel 149_20MHz_Antenna 0



IEEE 802.11n_Channel 157_20MHz_Antenna 0



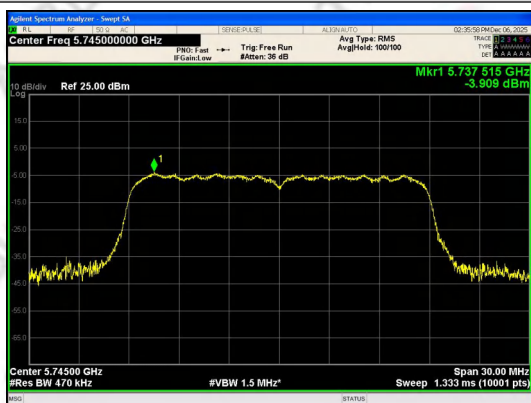
IEEE 802.11n_Channel 165_20MHz_Antenna 0



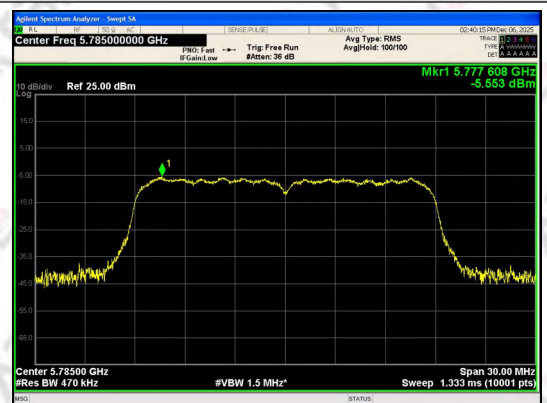
IEEE 802.11n_Channel 151_40MHz_Antenna 0



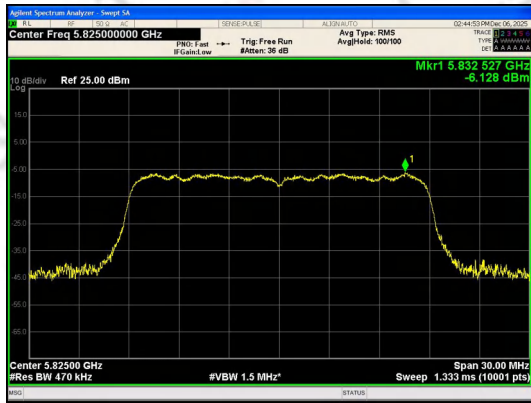
IEEE 802.11n_Channel 159_40MHz_Antenna 0



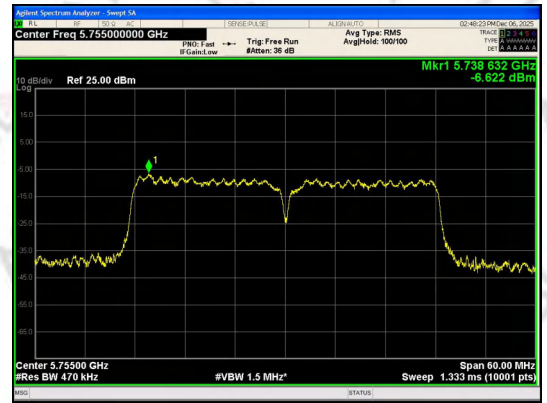
IEEE 802.11ac_Channel 149_20MHz_Antenna 0



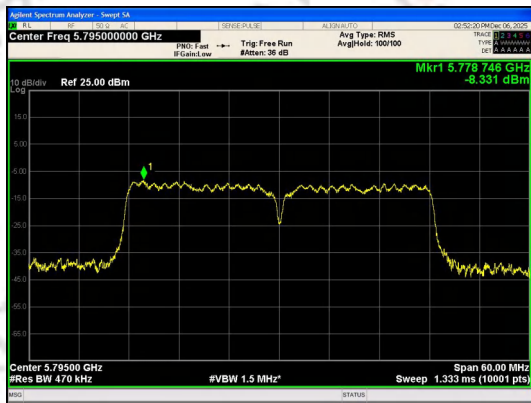
IEEE 802.11ac_Channel 157_20MHz_Antenna 0



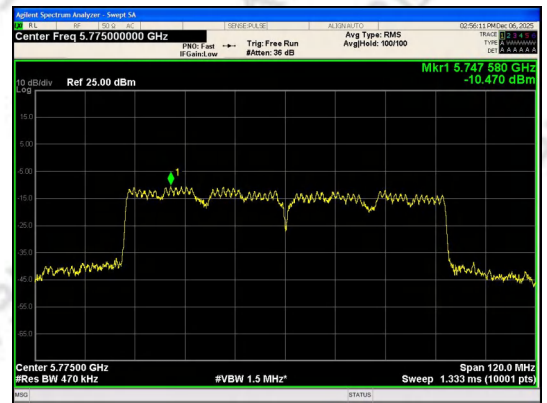
IEEE 802.11ac_Channel 165_20MHz_Antenna 0



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	5149.92	-31.354	-27	-4.000	PASS
			5150.00	-31.354	-27	-4.000	PASS
			5150.00	-30.658	-27	-3.660	PASS
			5350.00	-50.367	-27	-23.000	PASS
			5457.12	-50.228	-27	-23.000	PASS
			6216.56	-54.951	-27	-27.950	PASS
	40		5145.01	-42.940	-27	-15.940	PASS
			5150.00	-42.083	-27	-15.000	PASS
			5350.00	-51.139	-27	-24.000	PASS
			5460.00	-50.859	-27	-24.000	PASS
			10403.5	-54.274	-27	-27.270	PASS
	48		4192.43	-49.170	-27	-22.170	PASS
			5149.92	-51.669	-27	-25.000	PASS
			5150.00	-51.669	-27	-25.000	PASS
			5350.00	-50.853	-27	-24.000	PASS
5458.08			-50.747	-27	-24.000	PASS	
6288.29			-51.531	-27	-24.530	PASS	
IEEE 802.11n_20	36		4958.88	-31.495	-27	-4.000	PASS
			5147.82	-33.225	-27	-6.230	PASS
			5150.00	-31.589	-27	-5.000	PASS
			5350.00	-51.035	-27	-24.000	PASS
			5459.04	-50.304	-27	-23.000	PASS
			5602.50	-52.406	-27	-25.410	PASS
	40		5148.21	-43.262	-27	-16.260	PASS
			5149.92	-43.321	-27	-16.000	PASS
			5150.00	-43.321	-27	-16.000	PASS
			5350.00	-50.170	-27	-23.000	PASS
			5438.88	-49.904	-27	-23.000	PASS
			5602.50	-51.726	-27	-24.730	PASS
	48		4192.30	-50.271	-27	-23.270	PASS
			5148.96	-49.581	-27	-23.000	PASS
			5150.00	-50.678	-27	-24.000	PASS
5350.00			-50.616	-27	-24.000	PASS	
5458.08			-49.891	-27	-23.000	PASS	
6288.29			-50.916	-27	-23.920	PASS	
IEEE 802.11n_40	38		5149.49	-28.317	-27	-1.320	PASS
			5150.00	-27.827	-27	-1.000	PASS
			5350.00	-51.540	-27	-25.000	PASS
			5458.08	-51.425	-27	-24.000	PASS