

D3.Maximum Conducted Average Output Power

Test Result

Mode	Channel	Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11a	36	11.75	≤ 23.97	PASS
	40	11.28	≤ 23.97	PASS
	48	10.85	≤ 23.97	PASS
IEEE 802.11n_20	36	11.68	≤ 23.97	PASS
	40	10.96	≤ 23.97	PASS
	48	10.84	≤ 23.97	PASS
IEEE 802.11n_40	38	11.34	≤ 23.97	PASS
	46	11.35	≤ 23.97	PASS
IEEE 802.11ac_20	36	11.60	≤ 23.97	PASS
	40	11.03	≤ 23.97	PASS
	48	10.68	≤ 23.97	PASS
IEEE 802.11ac_40	38	11.44	≤ 23.97	PASS
	46	11.46	≤ 23.97	PASS
IEEE 802.11ac_80	42	10.91	≤ 23.97	PASS

Mode	Channel	Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11a	149	12.23	≤ 30	PASS
	157	12.66	≤ 30	PASS
	165	11.48	≤ 30	PASS
IEEE 802.11n_20	149	12.17	≤ 30	PASS
	157	12.56	≤ 30	PASS
	165	11.20	≤ 30	PASS
IEEE 802.11n_40	151	12.11	≤ 30	PASS
	159	12.26	≤ 30	PASS
IEEE 802.11ac_20	149	12.87	≤ 30	PASS
	157	13.21	≤ 30	PASS
	165	12.45	≤ 30	PASS
IEEE 802.11ac_40	151	13.11	≤ 30	PASS
	159	13.27	≤ 30	PASS
IEEE 802.11ac_80	155	12.37	≤ 30	PASS

The duty factor is already compensated in the result.

D4.Power Spectral Density

Test Result

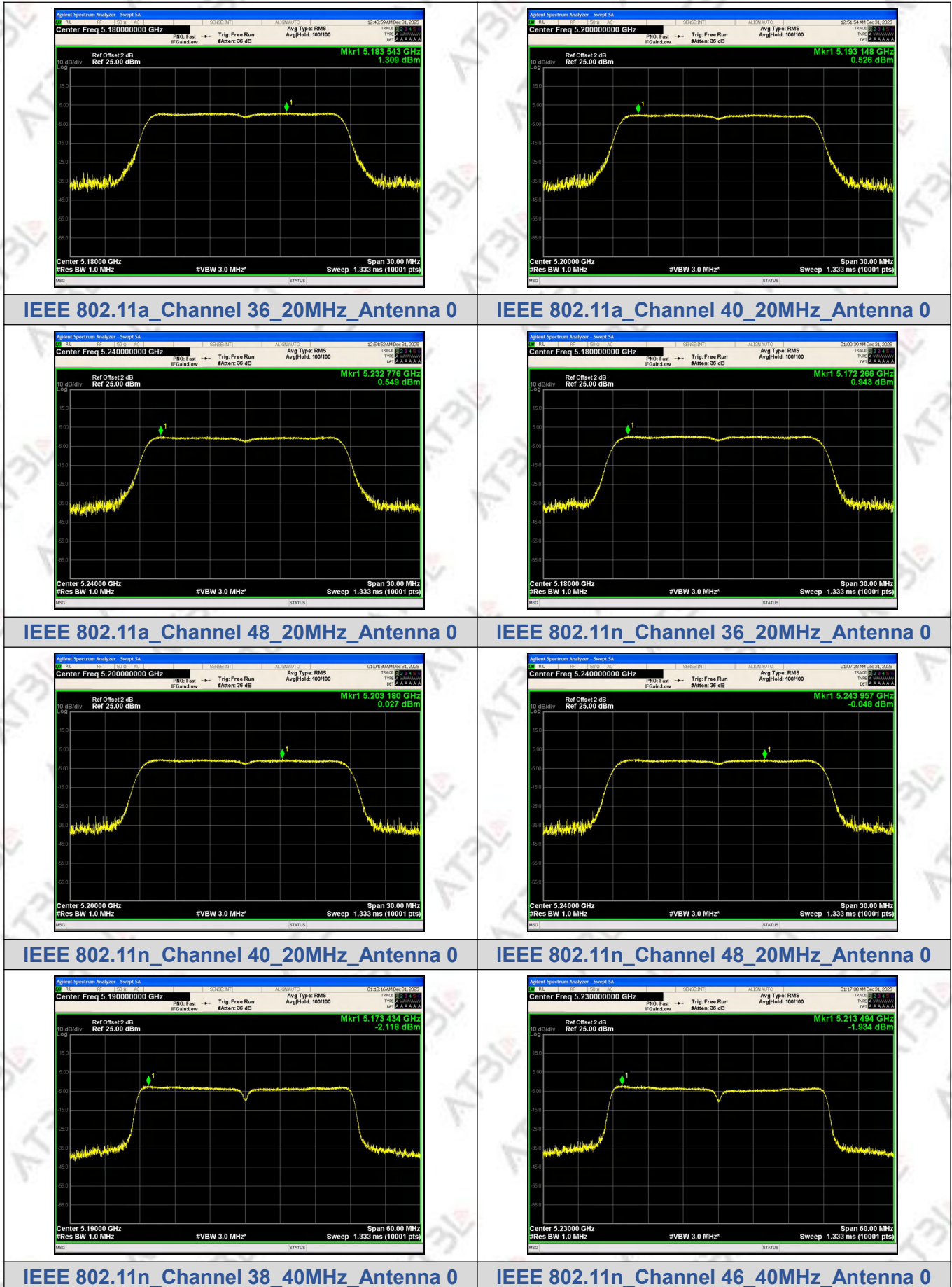
Mode	Channel	Ant. 0 Meas PSD (dBm/MHz)	Ant. 0 Corr'd PSD (dBm/MHz)	Limit (dBm/MHz)	Result
IEEE 802.11a	36	1.309	1.762	11	PASS
	40	0.526	0.979		PASS
	48	0.549	1.002		PASS
IEEE 802.11n_20	36	0.943	1.476		PASS
	40	0.027	0.560		PASS
	48	-0.048	0.485		PASS
IEEE 802.11n_40	38	-2.118	-1.160		PASS
	46	-1.934	-0.973		PASS
IEEE 802.11ac_20	36	0.784	1.314		PASS
	40	0.143	0.671		PASS
	48	0.169	0.669		PASS
IEEE 802.11ac_40	38	-2.422	-1.470		PASS
	46	-1.821	-0.712		PASS
IEEE 802.11ac_80	42	-5.601	-3.775		PASS

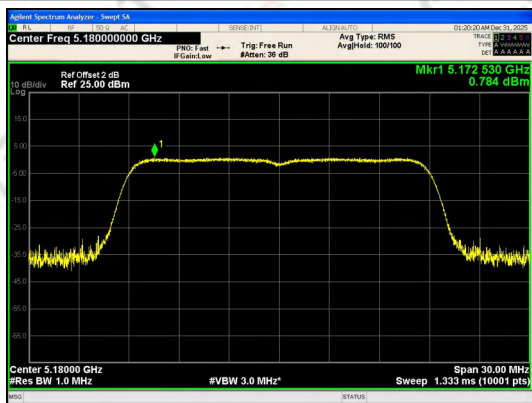
Mode	Channel	Ant. 0 Meas PSD (dBm/500kHz)	Ant. 0 Corr'd PSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
IEEE 802.11a	149	-1.788	-1.335	30	PASS
	157	-1.295	-0.842		PASS
	165	-2.564	-2.137		PASS
IEEE 802.11n_20	149	-2.075	-1.544		PASS
	157	-1.448	-0.915		PASS
	165	-2.675	-2.142		PASS
IEEE 802.11n_40	151	-4.413	-3.455		PASS
	159	-4.287	-3.326		PASS
IEEE 802.11ac_20	149	-1.102	-0.570		PASS
	157	-0.513	0.019		PASS
	165	-1.814	-1.282		PASS
IEEE 802.11ac_40	151	-3.403	-2.294		PASS
	159	-3.533	-2.581		PASS
IEEE 802.11ac_80	155	-7.559	-5.826		PASS

Note:

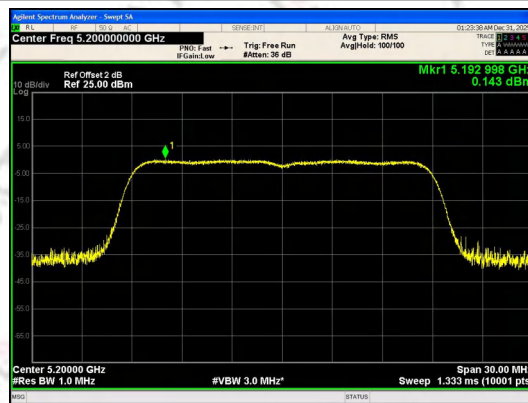
Corr'd PSD=Meas PSD+Duty Cycle Factor (dB)

Test Graphs

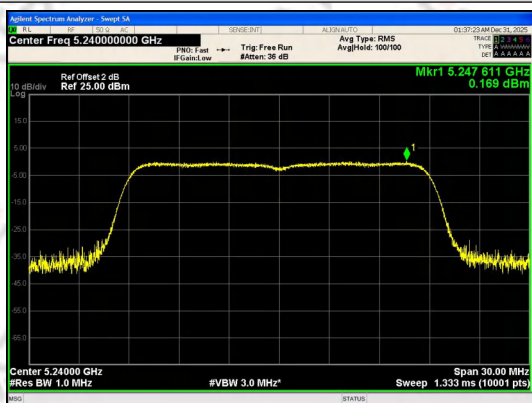




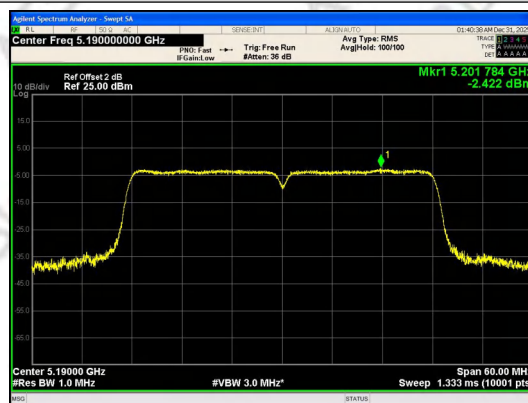
IEEE 802.11ac_Channel 36_20MHz_Antenna 0



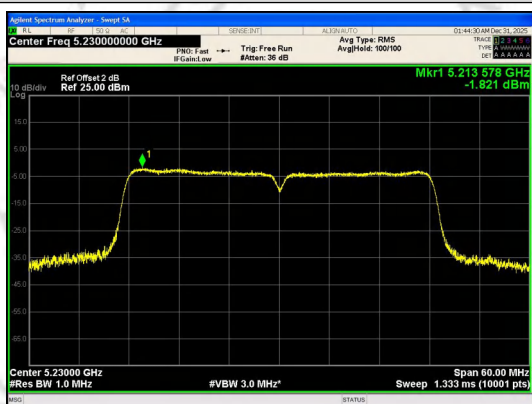
IEEE 802.11ac_Channel 40_20MHz_Antenna 0



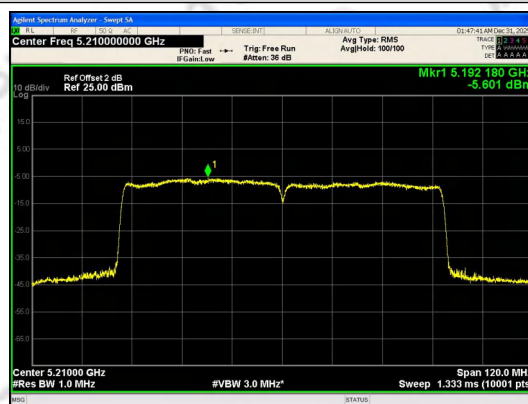
IEEE 802.11ac_Channel 48_20MHz_Antenna 0



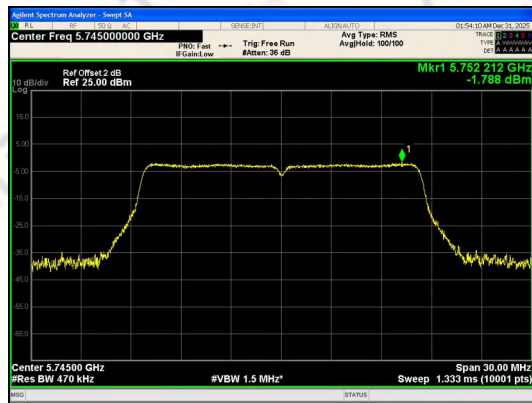
IEEE 802.11ac_Channel 38_40MHz_Antenna 0



IEEE 802.11ac_Channel 46_40MHz_Antenna 0



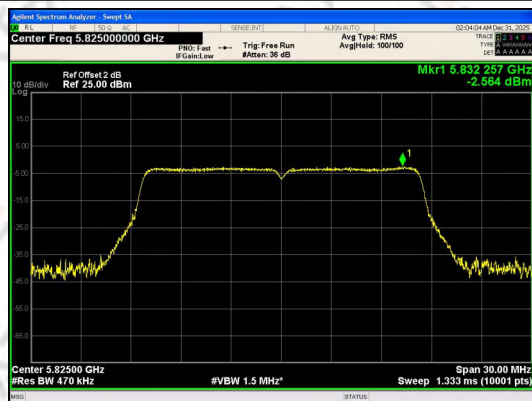
IEEE 802.11ac_Channel 42_80MHz_Antenna 0



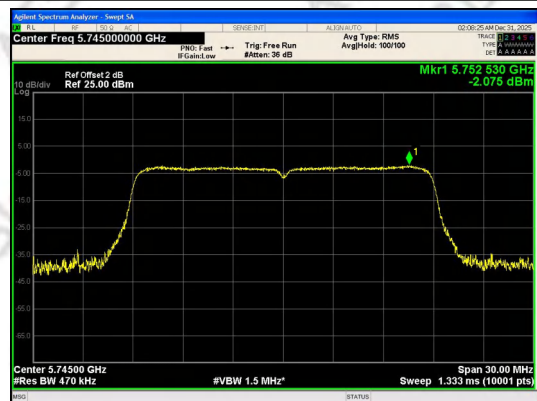
IEEE 802.11a_Channel 149_20MHz_Antenna 0



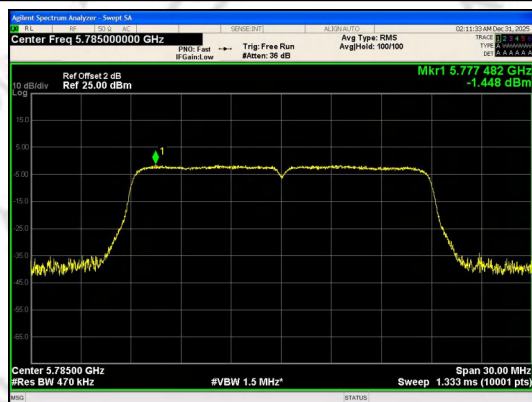
IEEE 802.11a_Channel 157_20MHz_Antenna 0



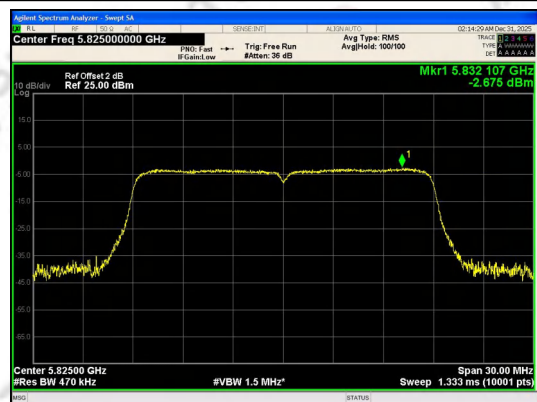
IEEE 802.11a_Channel 165_20MHz_Antenna 0



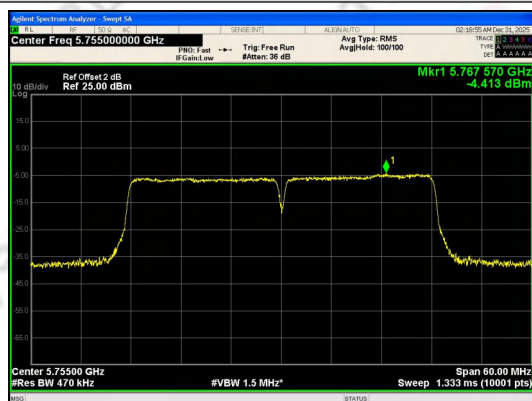
IEEE 802.11n_Channel 149_20MHz_Antenna 0



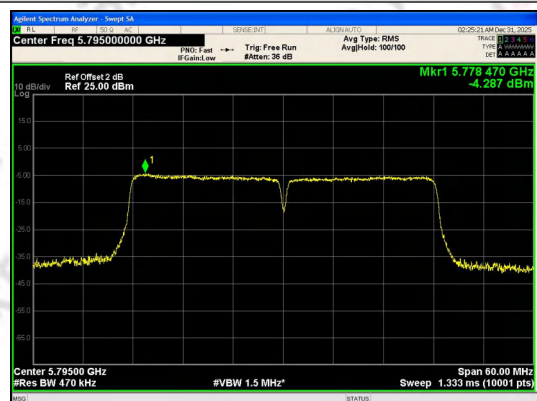
IEEE 802.11n_Channel 157_20MHz_Antenna 0



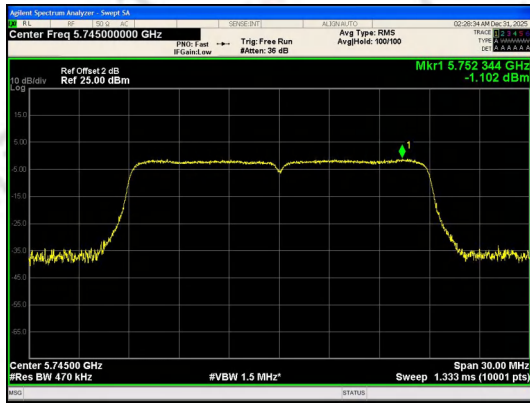
IEEE 802.11n_Channel 165_20MHz_Antenna 0



IEEE 802.11n_Channel 151_40MHz_Antenna 0

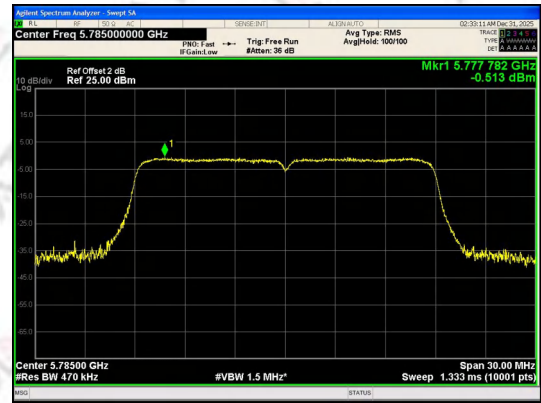


IEEE 802.11n_Channel 159_40MHz_Antenna 0



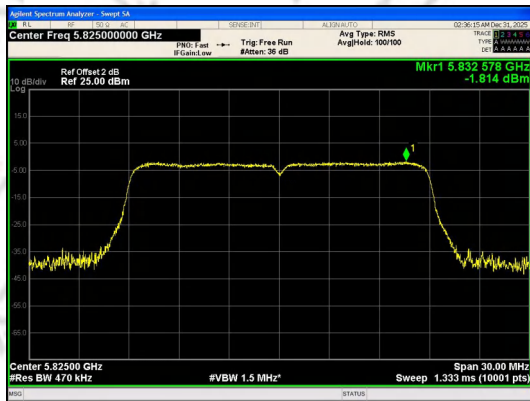
IEEE 802.11ac_Channel 149_20MHz_Antenna

0



IEEE 802.11ac_Channel 157_20MHz_Antenna

0



IEEE 802.11ac_Channel 165_20MHz_Antenna

0



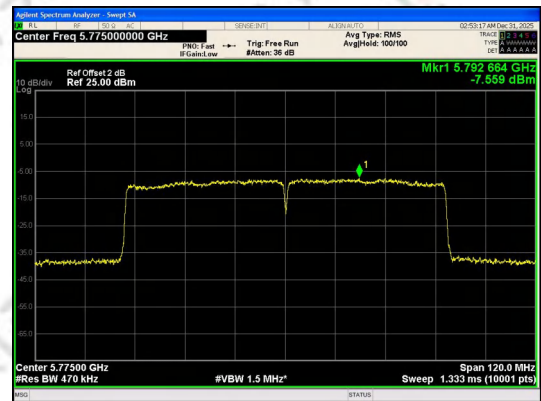
IEEE 802.11ac_Channel 151_40MHz_Antenna

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	5149.74	-38.467	-27	-11.470	PASS
			5149.92	-36.594	-27	-10.000	PASS
			5150.00	-36.595	-27	-10.000	PASS
			5350.00	-49.274	-27	-22.000	PASS
			5459.04	-48.147	-27	-21.000	PASS
			24781.9	-53.867	-27	-26.870	PASS
	40		4160.18	-50.086	-27	-23.090	PASS
			5145.12	-46.286	-27	-19.000	PASS
			5150.00	-46.809	-27	-20.000	PASS
			5350.00	-49.402	-27	-22.000	PASS
			5460.00	-49.028	-27	-22.000	PASS
			6240.64	-53.044	-27	-26.040	PASS
	48		4192.56	-50.873	-27	-23.870	PASS
			5149.92	-49.449	-27	-22.000	PASS
			5150.00	-49.449	-27	-22.000	PASS
			5350.00	-48.029	-27	-21.000	PASS
			5458.08	-47.925	-27	-21.000	PASS
			15728.1	-48.814	-27	-21.810	PASS
IEEE 802.11n_20	36		5149.10	-37.014	-27	-10.010	PASS
			5149.92	-37.045	-27	-10.000	PASS
			5150.00	-37.045	-27	-10.000	PASS
			5350.00	-49.367	-27	-22.000	PASS
			5460.00	-48.472	-27	-21.000	PASS
			24889.5	-54.166	-27	-27.170	PASS
	40	5147.44	-49.450	-27	-22.450	PASS	
		5150.00	-46.097	-27	-19.000	PASS	
		5350.00	-48.264	-27	-21.000	PASS	
		5460.00	-46.649	-27	-20.000	PASS	
		24849.7	-53.781	-27	-26.780	PASS	
		4192.82	-50.915	-27	-23.910	PASS	
	48	5148.00	-47.852	-27	-21.000	PASS	
		5150.00	-49.286	-27	-22.000	PASS	
		5350.00	-47.497	-27	-20.000	PASS	
		5452.32	-47.044	-27	-20.000	PASS	
		15723.2	-48.896	-27	-21.900	PASS	
		IEEE 802.11n_40	38	5149.49	-31.580	-27	-4.580
5150.00	-28.844			-27	-2.000	PASS	