Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

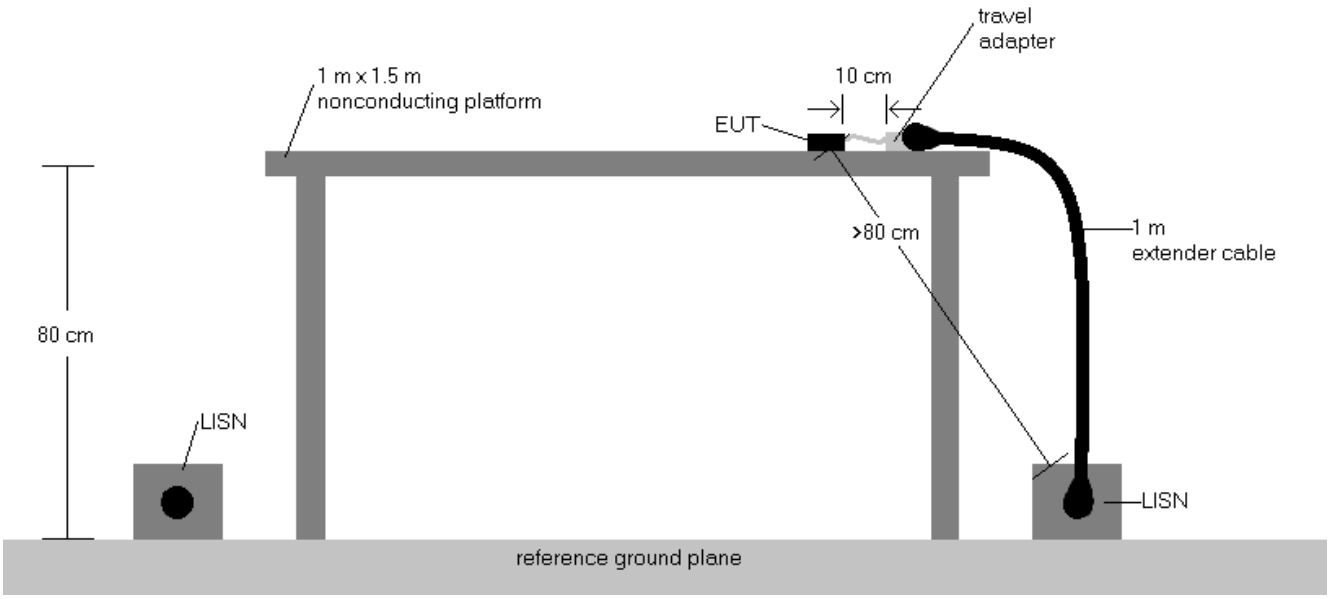
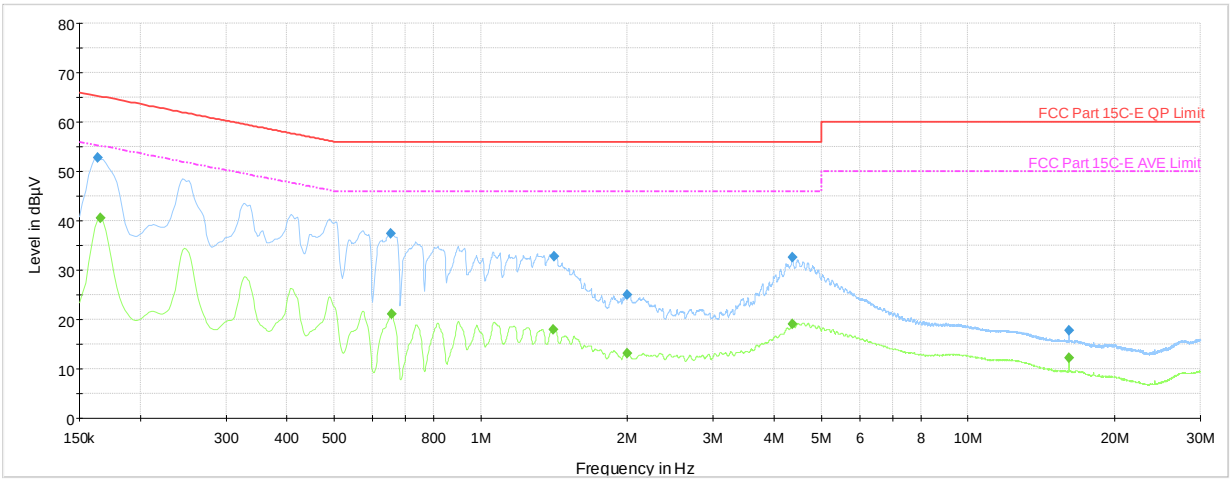


Figure 7-8. Test Instrument & Measurement Setup

Test Notes

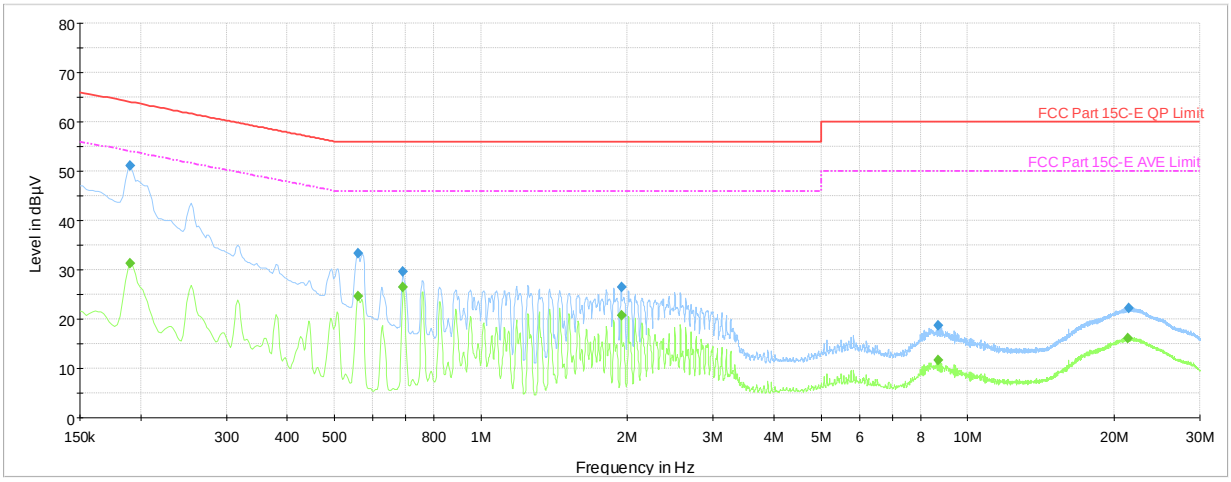
1. All modes of operation were investigated and the worst-case emissions are reported. The emissions found were not affected by the choice of channel used during testing.
2. Both configurations below were investigated, and the worst case has been reported.
    a. EUT powered by AC/DC adaptor via USB-C cable with wire charger
    b. EUT powered by host PC via USB-C cable with wire charger
3. The limit for an intentional radiator from 150kHz to 30MHz are specified in 15.207 and RSS-Gen (8.8).
4. Corr. (dB) = Cable loss (dB) + LISN insertion factor (dB)
5. QP/AV Level (dBμV) = QP/AV Analyzer/Receiver Level (dBμV) + Correction Factor (dB)
6. Margin (dB) = QP/AV Level (dBμV) - QP/AV Limit (dBμV)
7. Traces shown in plots are made using quasi-peak and average detectors.
8. Deviations to the Specifications: None.
9. The unit was tested with all possible modes and only the highest emission is reported.



Plot 7-1597. AC Line Conducted Plot with 802.11ax SDM Primary – Ch.84 (L1), with AC/DC Adapter

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.164	FINAL	52.71	—	65.28	-12.57	L1	GND
0.166	FINAL	—	40.50	55.17	-14.67	L1	GND
0.654	FINAL	37.44	—	56.00	-18.56	L1	GND
0.656	FINAL	—	21.07	46.00	-24.93	L1	GND
1.410	FINAL	—	18.01	46.00	-27.99	L1	GND
1.415	FINAL	32.77	—	56.00	-23.23	L1	GND
1.997	FINAL	24.96	—	56.00	-31.04	L1	GND
1.997	FINAL	—	13.23	46.00	-32.77	L1	GND
4.358	FINAL	32.57	—	56.00	-23.43	L1	GND
4.362	FINAL	—	19.01	46.00	-26.99	L1	GND
16.100	FINAL	—	12.13	50.00	-37.87	L1	GND
16.100	FINAL	17.73	—	60.00	-42.27	L1	GND

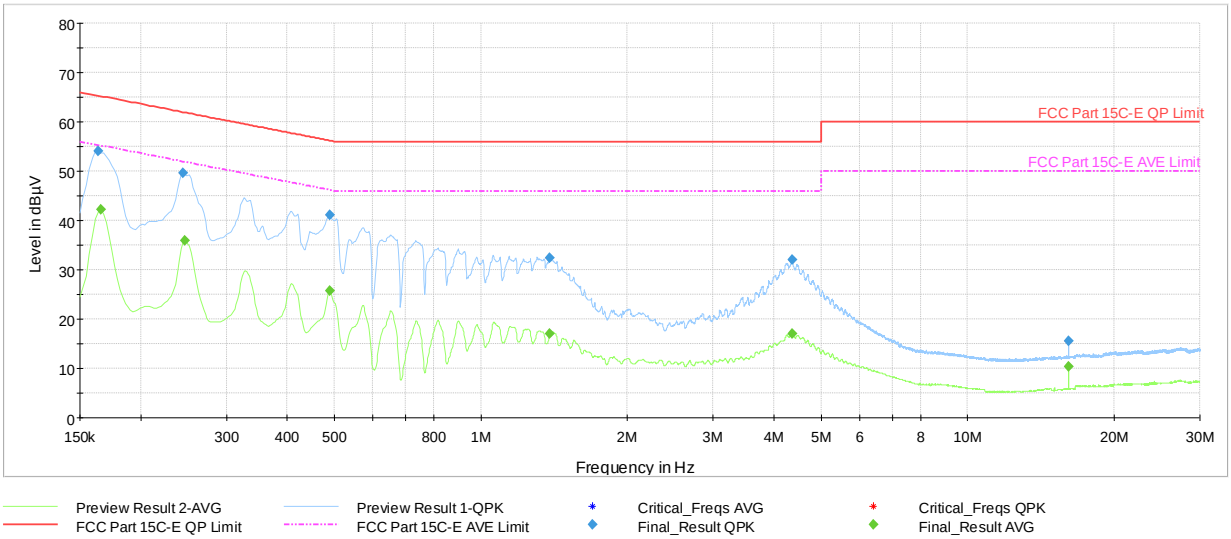
Table 7-229. AC Line Conducted Data with 802.11ax SDM Primary – Ch. 84 (L1), with AC/DC Adapter



Plot 7-1598. AC Line Conducted Plot with 802.11ax SDM Primary – Ch.84 (N), with Laptop

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.191	FINAL	—	31.28	54.02	-22.74	N	GND
0.191	FINAL	51.11	—	64.02	-12.90	N	GND
0.560	FINAL	—	24.54	46.00	-21.46	N	GND
0.560	FINAL	33.31	—	56.00	-22.69	N	GND
0.692	FINAL	—	26.40	46.00	-19.60	N	GND
0.692	FINAL	29.64	—	56.00	-26.36	N	GND
1.943	FINAL	26.45	—	56.00	-29.55	N	GND
1.943	FINAL	—	20.69	46.00	-25.31	N	GND
8.687	FINAL	18.64	—	60.00	-41.36	N	GND
8.687	FINAL	—	11.65	50.00	-38.35	N	GND
21.343	FINAL	—	16.02	50.00	-33.98	N	GND
21.473	FINAL	22.14	—	60.00	-37.86	N	GND

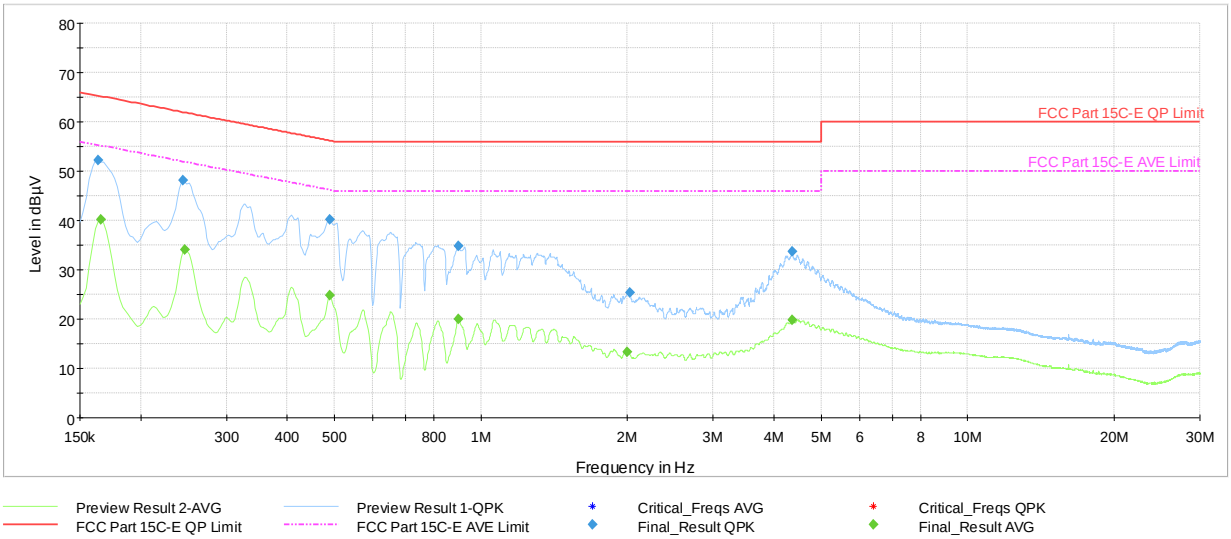
Table 7-230. AC Line Conducted Data with 802.11ax SDM Primary – Ch. 84 (N), with Laptop



Plot 7-1599. AC Line Conducted Plot with 802.11ax SDM Diversity – Ch.84 (L1), with AC/DC Adapter

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.164	FINAL	54.06	—	65.28	-11.23	L1	GND
0.166	FINAL	—	42.14	55.17	-13.03	L1	GND
0.245	FINAL	49.71	—	61.94	-12.24	L1	GND
0.247	FINAL	—	35.88	51.87	-15.98	L1	GND
0.490	FINAL	—	25.79	46.17	-20.38	L1	GND
0.490	FINAL	41.13	—	56.17	-15.05	L1	GND
1.385	FINAL	32.42	—	56.00	-23.58	L1	GND
1.385	FINAL	—	16.99	46.00	-29.01	L1	GND
4.360	FINAL	32.01	—	56.00	-23.99	L1	GND
4.362	FINAL	—	17.05	46.00	-28.95	L1	GND
16.112	FINAL	—	10.34	50.00	-39.66	L1	GND
16.112	FINAL	15.48	—	60.00	-44.52	L1	GND

Table 7-231. AC Line Conducted Data with 802.11ax SDM Diversity – Ch. 84 (L1), with AC/DC Adapter



Plot 7-1600. AC Line Conducted Plot with 802.11ax SDM Diversity – Ch.84 (N), with AC/DC Adapter

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.164	FINAL	52.15	—	65.28	-13.13	N	GND
0.166	FINAL	—	40.14	55.17	-15.03	N	GND
0.245	FINAL	48.06	—	61.94	-13.88	N	GND
0.247	FINAL	—	34.13	51.87	-17.74	N	GND
0.490	FINAL	40.22	—	56.17	-15.95	N	GND
0.490	FINAL	—	24.76	46.17	-21.41	N	GND
0.897	FINAL	34.87	—	56.00	-21.13	N	GND
0.897	FINAL	—	19.93	46.00	-26.07	N	GND
1.993	FINAL	—	13.31	46.00	-32.69	N	GND
2.024	FINAL	25.34	—	56.00	-30.66	N	GND
4.353	FINAL	—	19.75	46.00	-26.25	N	GND
4.358	FINAL	33.67	—	56.00	-22.33	N	GND

Table 7-232. AC Line Conducted Data with 802.11ax SDM Diversity – Ch. 84 (N), with AC/DC Adapter

8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Apple Tablet Device FCC ID: BCGA2899** and **IC: 579C-A2899** is in compliance with Part 15 Subpart E (15.407) of the FCC Rules and RSS-248 of the Innovation, Science and Economic Development Canada Rules.