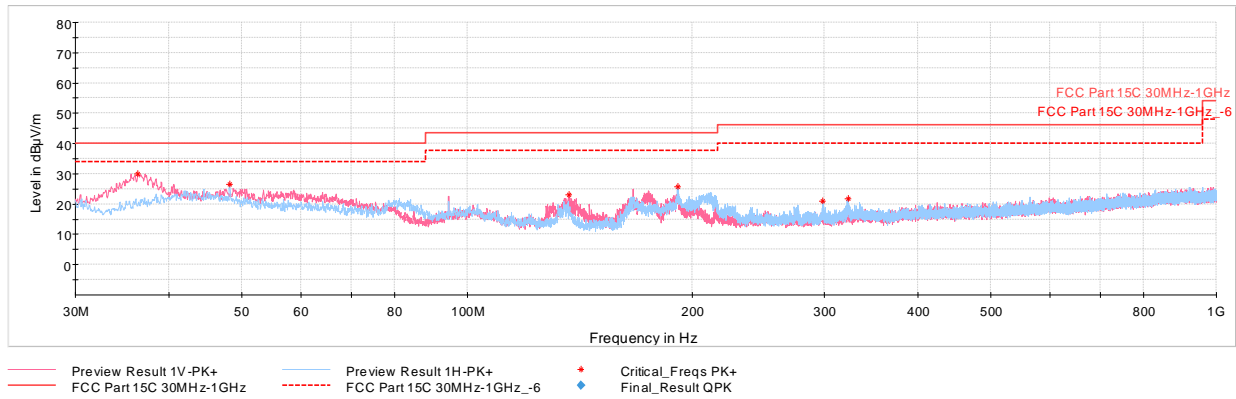


CDD Radiated Spurious Emissions (Below 1GHz)

§15.209; RSS-Gen [8.9]



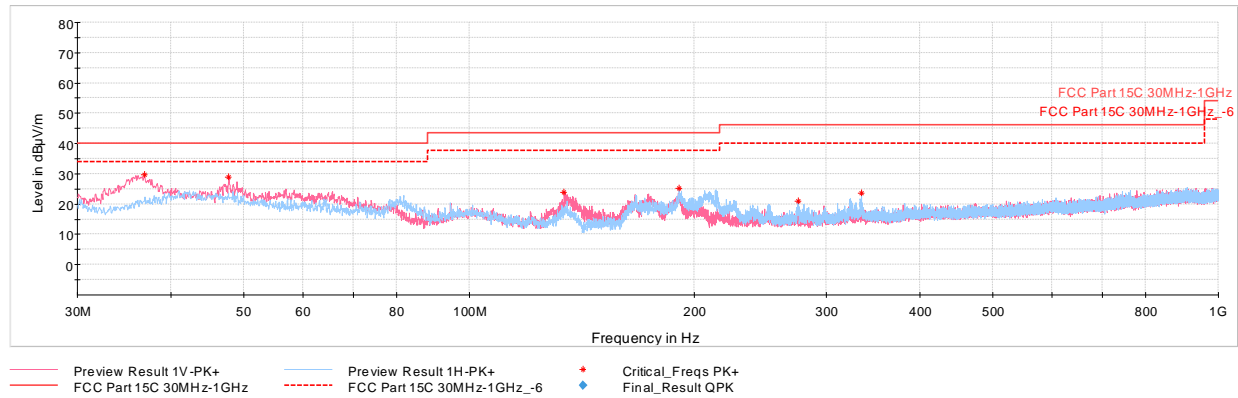
Plot 7-650. RSE below 1GHz CDD (RU26 – Ch.40), with AC/DC Adapter

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
36.35	Max Peak	V	100	15	-58.73	-18.37	29.90	40.00	-10.10
48.19	Max Peak	H	300	55	-65.08	-15.45	26.47	40.00	-13.53
136.65	Max Peak	V	100	345	-62.43	-21.59	22.98	43.52	-20.54
191.07	Max Peak	H	100	182	-63.07	-18.27	25.66	43.52	-17.86
298.40	Max Peak	H	100	145	-70.44	-15.46	21.10	46.02	-24.92
322.79	Max Peak	H	100	122	-70.68	-14.49	21.83	46.02	-24.19

Table 7-192. RSE below 1GHz CDD (RU26 – Ch.40), with AC/DC Adapter

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Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
36.84	Max Peak	V	V	358	-58.91	-18.25	29.84	40.00	-10.16
47.80	Max Peak	V	V	22	-62.59	-15.44	28.97	40.00	-11.03
133.94	Max Peak	V	V	223	-62.22	-20.89	23.89	43.52	-19.63
190.73	Max Peak	H	H	174	-63.43	-18.33	25.24	43.52	-18.28
274.83	Max Peak	H	H	273	-70.04	-15.99	20.97	46.02	-25.05
333.90	Max Peak	H	H	305	-69.42	-14.09	23.49	46.02	-22.53

Table 7-193. RSE below 1GHz CDD (RU242– Ch.40), with AC/DC Adapter

FCC ID: BCG2764 IC: 579C-A2764		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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7.8 AC Line Conducted Emissions Measurement

§15.207; RSS-Gen [8.8]

Test Overview and Limit

All AC line conducted spurious emissions are measured with a receiver connected to a grounded LISN while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates and modes were investigated for AC Line conducted spurious emissions. All data rates and modes were investigated for AC Line conducted spurious emissions.

All conducted emissions must not exceed the limits shown in the table below, per Section 15.207 and RSS-Gen (8.8).

Frequency of emission (MHz)	Conducted Limit (dBμV)	
	Quasi-peak	Average
0.15 – 0.5	66 to 56*	56 to 46*
0.5 – 5	56	46
5 – 30	60	50

Table 7-194. Conducted Limits

*Decreases with the logarithm of the frequency.

Test Procedures Used

ANSI C63.10-2013, Subclause 6.2

Test Settings

Quasi-Peak Measurements

1. Analyzer center frequency was set to the frequency of the spurious emission of interest
2. RBW = 9kHz (for emissions from 150kHz – 30MHz)
3. Detector = quasi-peak
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

Average Measurements

1. Analyzer center frequency was set to the frequency of the spurious emission of interest
2. RBW = 9kHz (for emissions from 150kHz – 30MHz)
3. Detector = RMS
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

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Test Setup

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

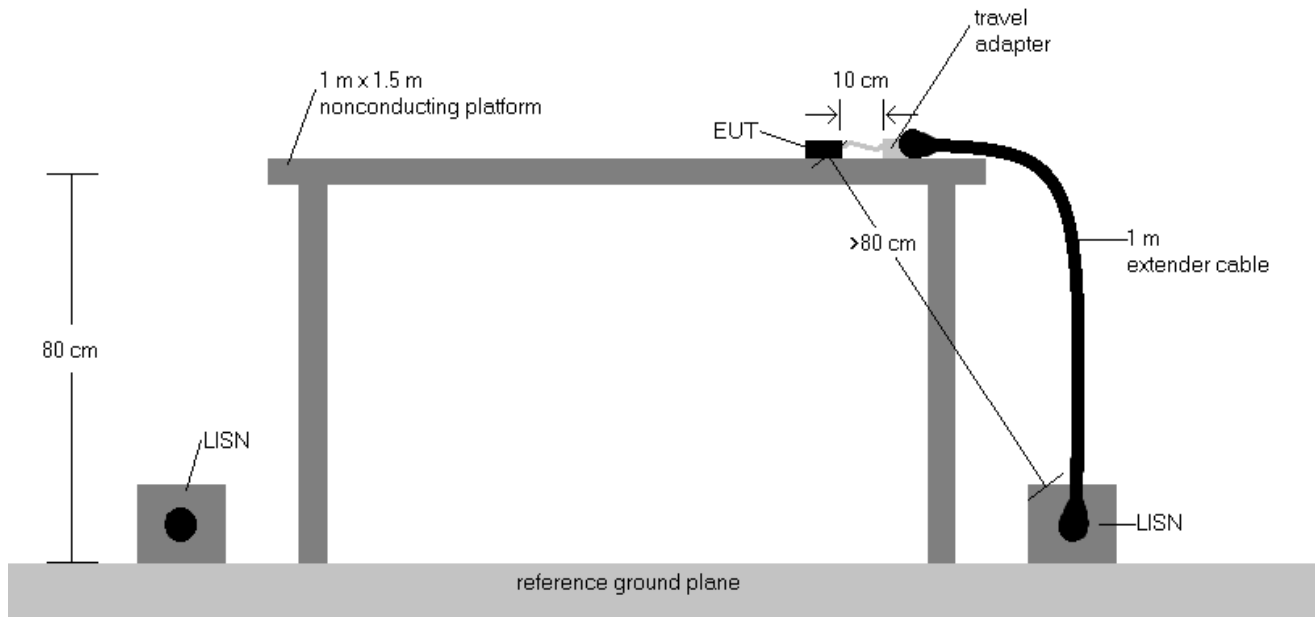


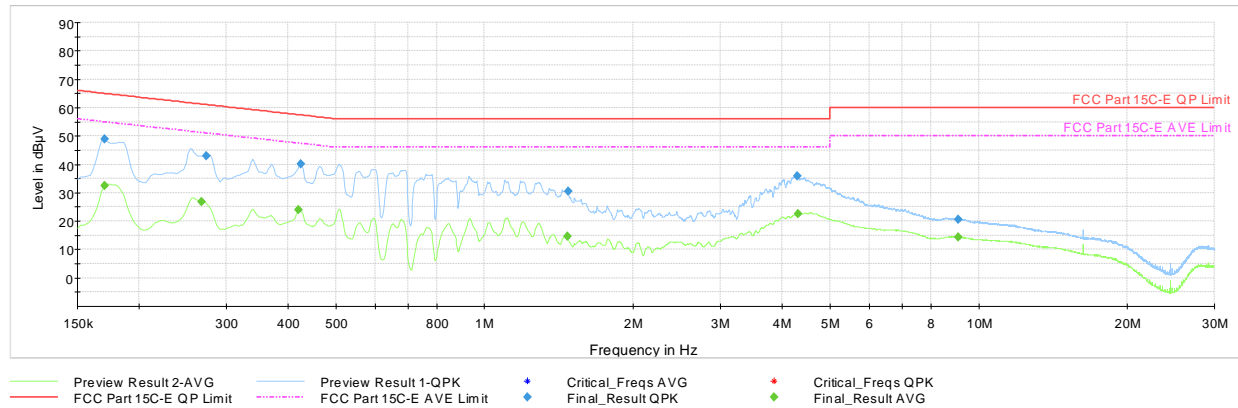
Figure 7-8. Test Instrument & Measurement Setup

Test Notes

- 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.
- Both configurations below were investigated, and the worst case has been reported.
 - EUT powered by AC/DC adaptor via USB-C cable with wire charger
 - EUT powered by host PC via USB-C cable with wire charger
- The limit for an intentional radiator from 150kHz to 30MHz are specified in 15.207 and RSS-Gen (8.8).
- Corr. (dB) = Cable loss (dB) + LISN insertion factor (dB)
- QP/AV Level (dB μ V) = QP/AV Analyzer/Receiver Level (dB μ V) + Correction Factor (dB)
- Margin (dB) = QP/AV Level (dB μ V) - QP/AV Limit (dB μ V)
- Traces shown in plots are made using quasi-peak and average detectors.
- Deviations to the Specifications: None.

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Plot 7-652. AC Line Conducted Plot with 11ax UNII Band 1 CDD RU26 – Ch.40 (L1) with AC/DC Adapter

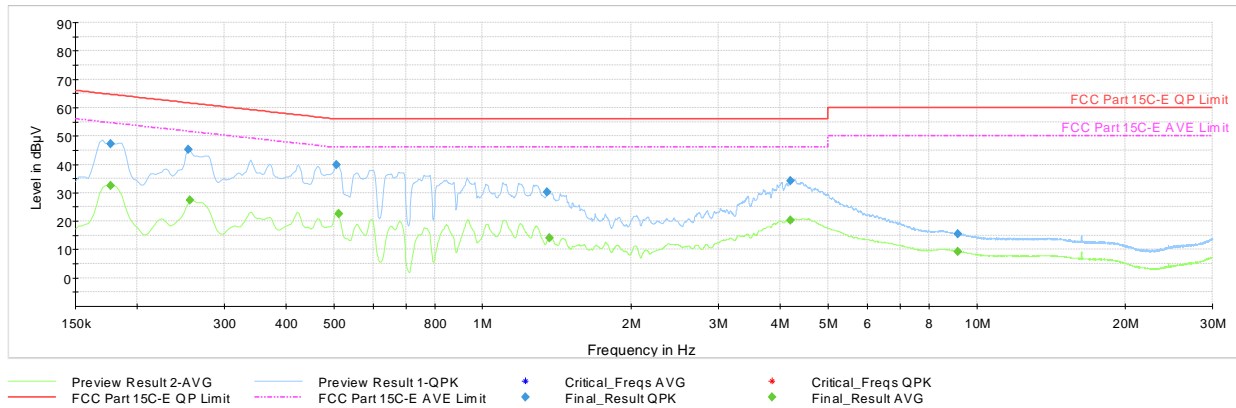
Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.170	FINAL	—	32.58	54.95	-22.37	L1	ON
0.170	FINAL	49.1	—	64.95	-15.89	L1	ON
0.267	FINAL	—	26.88	51.21	-24.33	L1	ON
0.274	FINAL	43.0	—	61.00	-18.00	L1	ON
0.420	FINAL	—	24.02	47.45	-23.43	L1	ON
0.425	FINAL	40.2	—	57.36	-17.17	L1	ON
1.471	FINAL	—	14.74	46.00	-31.26	L1	ON
1.478	FINAL	30.6	—	56.00	-25.41	L1	ON
4.295	FINAL	36.0	—	56.00	-20.01	L1	ON
4.308	FINAL	—	22.45	46.00	-23.55	L1	ON
9.098	FINAL	20.7	—	60.00	-39.30	L1	ON
9.101	FINAL	—	14.50	50.00	-35.50	L1	ON

Table 7-195. AC Line Conducted with 11ax UNII Band 1 CDD RU26 – Ch.40 (L1) with AC/DC Adapter

FCC ID: BCG2764 IC: 579C-A2764		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-653. AC Line Conducted Plot with 11ax UNII Band 1 CDD RU26 – Ch.40 (N) with AC/DC Adapter

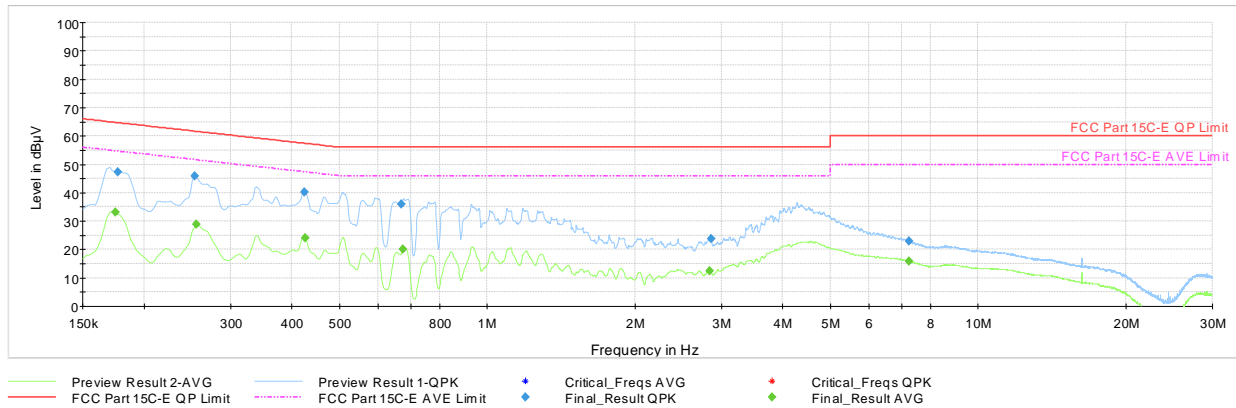
Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.177	FINAL	—	32.61	54.63	-22.01	N	ON
0.177	FINAL	47.1	—	64.63	-17.51	N	ON
0.254	FINAL	45.3	—	61.64	-16.30	N	ON
0.256	FINAL	—	27.30	51.57	-24.27	N	ON
0.506	FINAL	39.8	—	56.00	-16.23	N	ON
0.512	FINAL	—	22.71	46.00	-23.29	N	ON
1.349	FINAL	30.1	—	56.00	-25.88	N	ON
1.365	FINAL	—	14.05	46.00	-31.95	N	ON
4.196	FINAL	34.3	—	56.00	-21.68	N	ON
4.205	FINAL	—	20.36	46.00	-25.64	N	ON
9.166	FINAL	15.4	—	60.00	-44.64	N	ON
9.173	FINAL	—	9.26	50.00	-40.74	N	ON

Table 7-196. AC Line Conducted with 11ax UNII Band 1 CDD RU26 – Ch.40 (N) with AC/DC Adapter

FCC ID: BCG2764 IC: 579C-A2764		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-654. AC Line Conducted Plot with 11ax UNII Band 1 CDD RU242 – Ch.40 (L1) with AC/DC Adapter

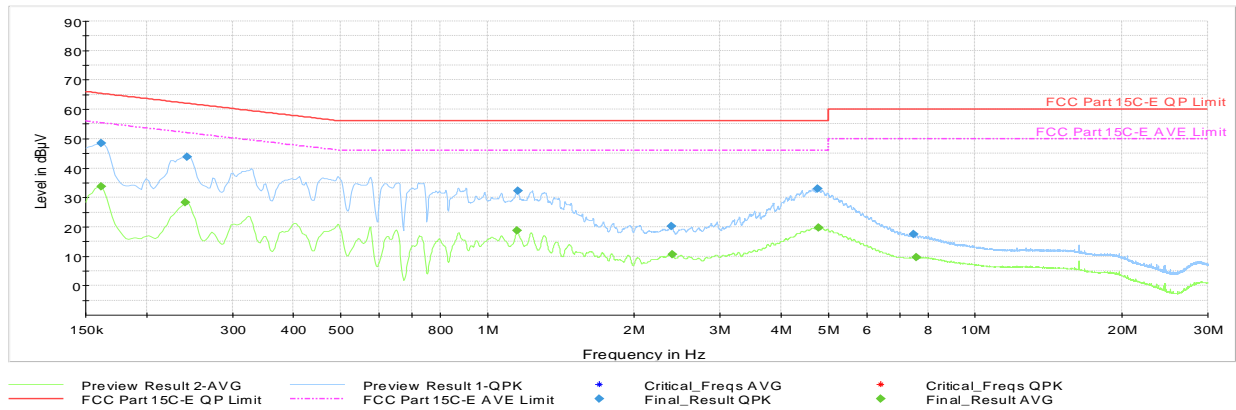
Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.175	FINAL	—	32.54	54.73	-22.19	L1	ON
0.175	FINAL	46.6	—	64.73	-18.09	L1	ON
0.258	FINAL	44.5	—	61.50	-16.96	L1	ON
0.263	FINAL	—	26.79	51.35	-24.57	L1	ON
0.497	FINAL	36.6	—	56.06	-19.43	L1	ON
0.501	FINAL	—	20.25	46.00	-25.75	L1	ON
1.354	FINAL	29.8	—	56.00	-26.20	L1	ON
1.358	FINAL	—	12.85	46.00	-33.15	L1	ON
4.310	FINAL	34.9	—	56.00	-21.09	L1	ON
4.317	FINAL	—	21.26	46.00	-24.74	L1	ON
7.609	FINAL	16.4	—	60.00	-43.63	L1	ON
7.613	FINAL	—	9.37	50.00	-40.63	L1	ON

Table 7-197. AC Line Conducted with 11ax UNII Band 1 CDD RU242 – Ch.40 (L1) with AC/DC Adapter

FCC ID: BCG2764 IC: 579C-A2764		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-655. AC Line Conducted Plot with 11ax UNII Band 1 CDD RU242 – Ch.40 (N) with AC/DC Adapter

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.161	FINAL	—	33.76	55.40	-21.64	N	ON
0.161	FINAL	48.5	—	65.40	-16.89	N	ON
0.240	FINAL	—	28.22	52.10	-23.87	N	ON
0.242	FINAL	43.8	—	62.02	-18.23	N	ON
1.149	FINAL	—	18.64	46.00	-27.36	N	ON
1.154	FINAL	32.3	—	56.00	-23.67	N	ON
2.382	FINAL	20.2	—	56.00	-35.83	N	ON
2.389	FINAL	—	10.58	46.00	-35.42	N	ON
4.751	FINAL	32.9	—	56.00	-23.12	N	ON
4.765	FINAL	—	19.73	46.00	-26.27	N	ON
7.476	FINAL	17.4	—	60.00	-42.59	N	ON
7.575	FINAL	—	9.56	50.00	-40.44	N	ON

Table 7-198. AC Line Conducted with 11ax UNII Band 1 CDD RU242 – Ch.40 (N) with AC/DC Adapter

FCC ID: BCG2764 IC: 579C-A2764		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Apple Tablet Device FCC ID: BCG2764** and **IC: 579C-A2764** is in compliance with is in compliance with Part 15 Subpart E (15.407) of the FCC Rules and RSS-247 of the Innovation, Science and Economic Development Canada Rules.

FCC ID: BCG2764 IC: 579C-A2764		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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