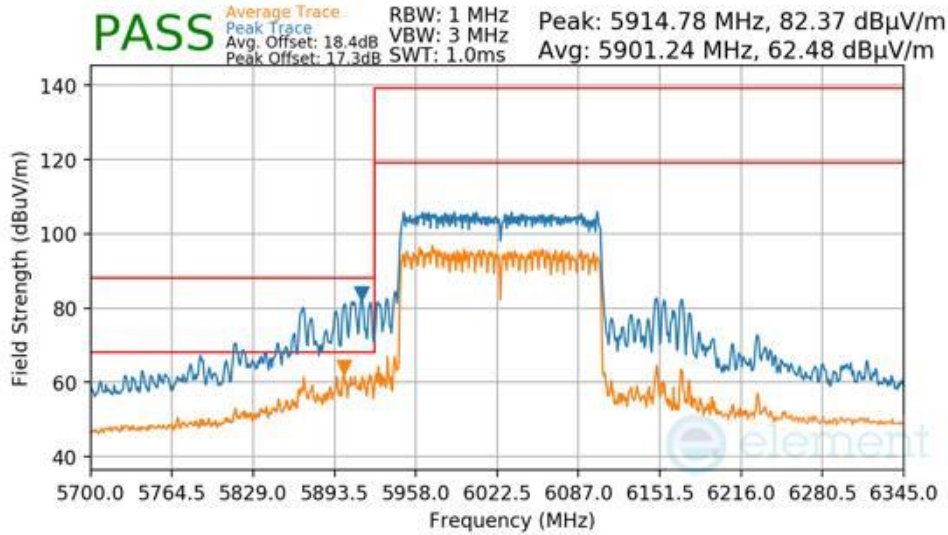


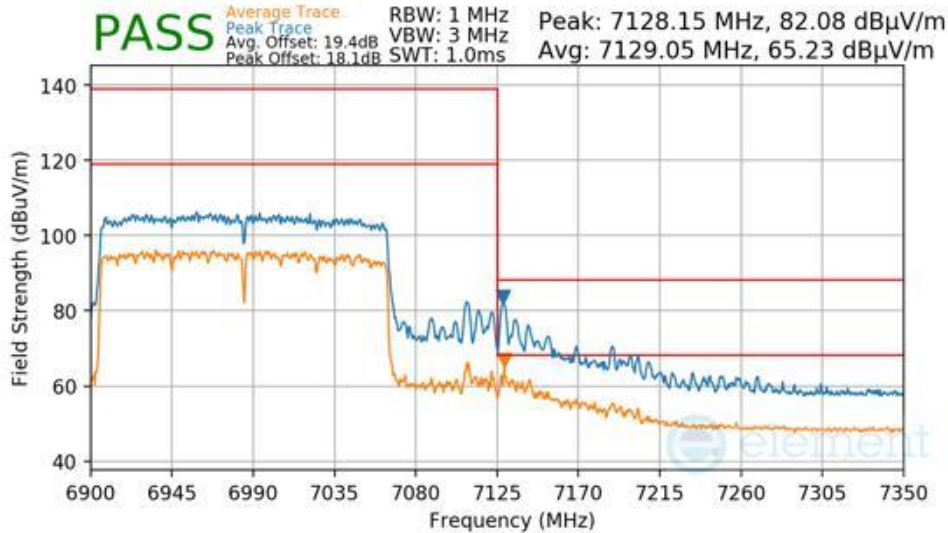
RU996x2

Mode: 802.11ax OFDMA
 Transfer Rate: MCS11
 RU Index: 68
 Distance of Measurements: 3 Meters
 Operating Frequency: 6025MHz
 Channel: 15




Plot 7-1216 CDD Diversity Radiated Lower Band Edge (Peak & Average – UNII Band 5)

Mode: 802.11ax OFDMA
 Transfer Rate: MCS11
 RU Index: 68
 Distance of Measurements: 3 Meters
 Operating Frequency: 6985MHz
 Channel: 207



Plot 7-1217 CDD Diversity Radiated Upper Band Edge (Peak & Average – UNII Band 8)

FCC ID: BCGA3267 IC: 579C-A3267		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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7.8 Radiated Spurious Emissions – Below 1GHz

§15.209; RSS-Gen [8.9]

Test Overview and Limit

All out of band radiated spurious emissions are measured with a spectrum analyzer connected to a receive antenna 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 radiated spurious emissions. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR and Table 7 of RSS-Gen (8.10) must not exceed the limits shown in Table 7-252 per Section 15.209 and RSS-Gen (8.9).

Frequency	Field Strength [μV/m]	Measured Distance [Meters]
0.009 – 0.490 MHz	2400/F (kHz)	300
0.490 – 1.705 MHz	24000/F (kHz)	30
1.705 – 30.00 MHz	30	30
30.00 – 88.00 MHz	100	3
88.00 – 216.0 MHz	150	3
216.0 – 960.0 MHz	200	3
Above 960.0 MHz	500	3

Table 7-252. Radiated Limits

Test Procedures Used

ANSI C63.10-2020

Test Settings

Quasi-Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 120kHz (for emissions from 30MHz – 1GHz)
3. Detector = quasi-peak
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 120kHz (for emissions from 30MHz – 1GHz)
3. VBW = 300kHz
4. Detector = quasi-peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

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Test Setup

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

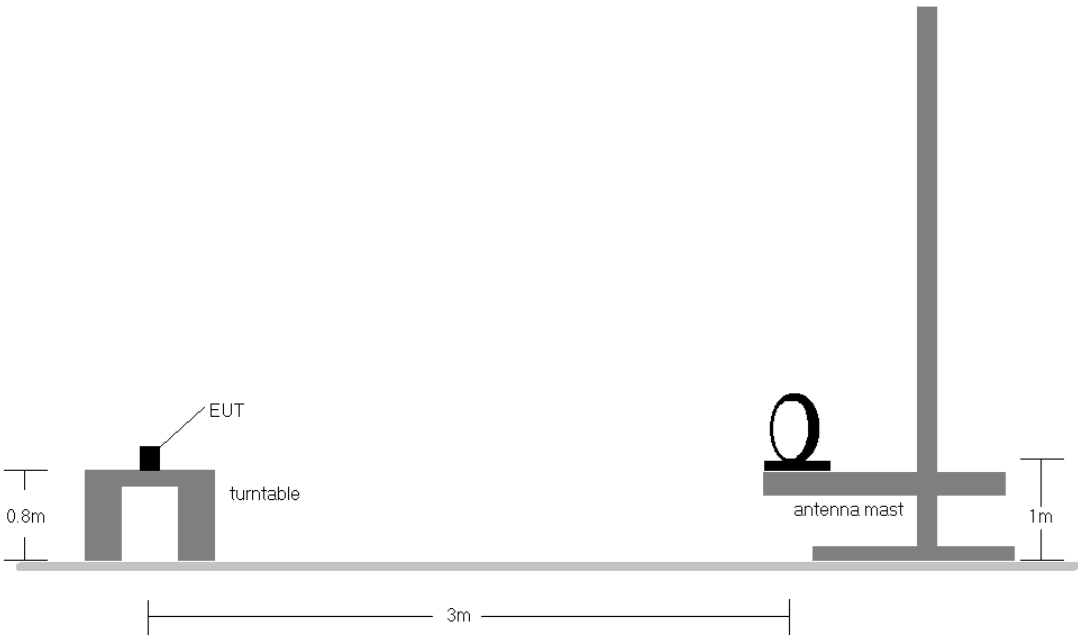


Figure 7-6. Radiated Test Setup < 30MHz

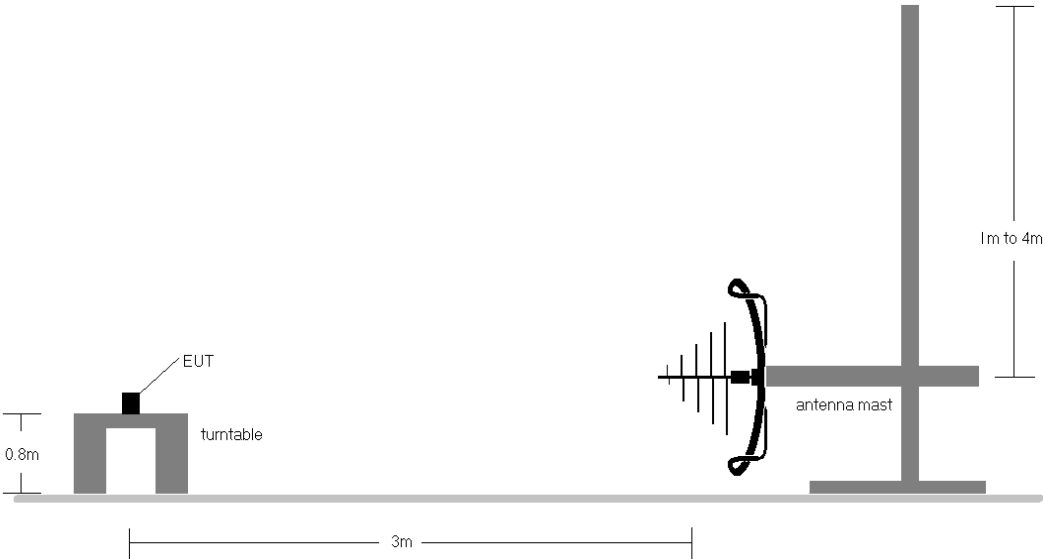


Figure 7-7. Radiated Test Setup < 1GHz

FCC ID: BCGA3267 IC: 579C-A3267		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210073-24.BCG	Test Dates: 10/25/2024 - 12/31/2024	EUT Type: Tablet Device	Page 572 of 594

Test Notes

1. All emissions lying in restricted bands specified in §15.205 and RSS-Gen (8.10) are below the limit shown in Table 7-252.
2. The broadband receive antenna is manipulated through vertical and horizontal polarizations during the tests. The EUT is manipulated through three orthogonal planes. For below 30MHz the loop antenna was positioned in 3 orthogonal planes (X front, Y side, Z top) to determine the orientation resulting in the worst case emissions.
3. This unit was tested with its standard battery.
4. The spectrum is investigated using a peak detector and final measurements are recorded using CISPR quasi peak detector on emissions that were within 6dB of the limit.
5. Emissions were measured at a 3 meter test distance.
6. Emissions are investigated while operating on the center channel of the mode, band, and modulation that produced the worst case results during the transmitter spurious emissions testing.
7. No spurious emissions were detected within 20dB of the limit below 30MHz.
8. The results recorded using the broadband antenna is known to correlate with the results obtained by using a tuned dipole with an acceptable degree of accuracy. The VSWR for the measurement antenna was found to be less than 2:1.
9. 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
10. All antenna configurations were investigated and only the worst case is reported.
11. The unit was tested with all possible modes and only the highest emission is reported.

Sample Calculations

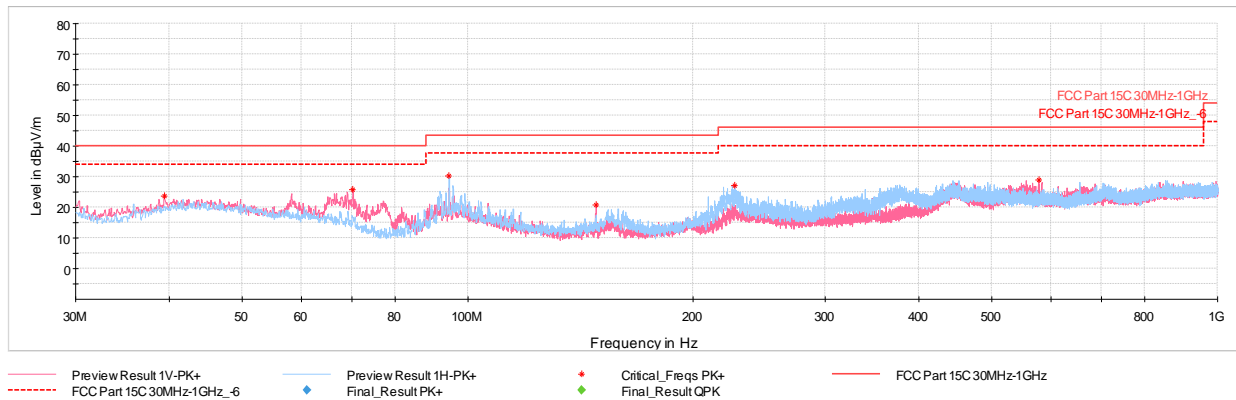
Determining Spurious Emissions Levels

- Field Strength Level $_{[dB\mu V/m]} = \text{Analyzer Level}_{[dBm]} + 107 + \text{AFCL}_{[dB/m]}$
- $\text{AFCL}_{[dB/m]} = \text{Antenna Factor}_{[dB/m]} + \text{Cable Loss}_{[dB]} - \text{Preamp Gain}_{[dB]}$
- $\text{Margin}_{[dB]} = \text{Field Strength Level}_{[dB\mu V/m]} - \text{Limit}_{[dB\mu V/m]}$

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7.8.1 CDD Primary Radiated Spurious Emissions Measurements (Below 1GHz)

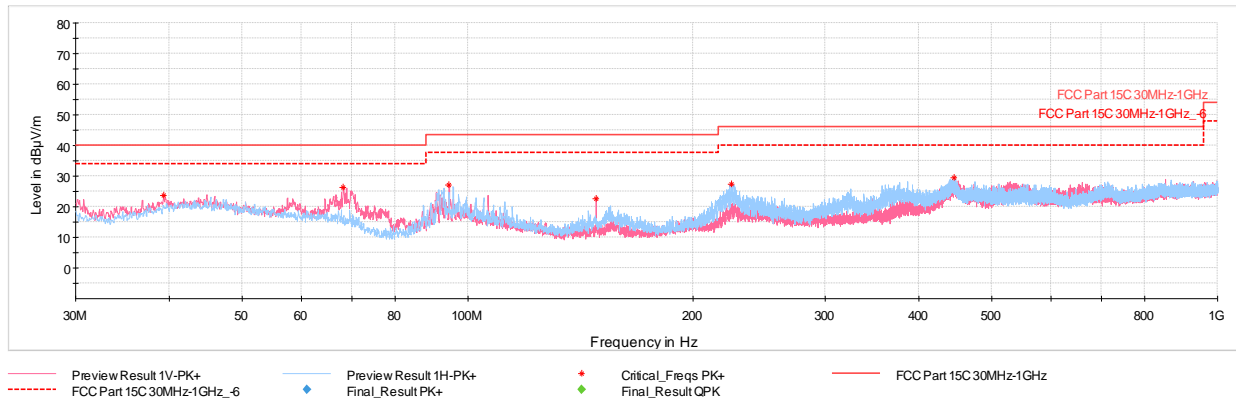


Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
39.41	Max-Peak	V	100	89	-67.34	-16.01	23.65	40.00	-16.35
70.30	Max-Peak	V	200	15	-62.13	-19.17	25.70	40.00	-14.30
94.46	Max-Peak	H	300	98	-59.29	-17.48	30.23	43.52	-13.29
148.29	Max-Peak	V	100	64	-66.42	-19.78	20.80	43.52	-22.72
227.20	Max-Peak	H	100	233	-64.55	-15.22	27.23	46.02	-18.79
577.23	Max-Peak	V	100	89	-70.75	-7.26	28.99	46.02	-17.03

Table 7-253. Radiated Spurious Emissions below 1GHz CDD Primary (802.11ax – Ch.1 – RU26) with AC/DC adaptor via USB-C cable with wire charger

FCC ID: BCGA3267 IC: 579C-A3267		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-1219. Radiated Spurious Emissions below 1GHz CDD Primary (802.11ax – Ch.1 – RU242) with AC/DC adaptor via USB-C cable with wire charger

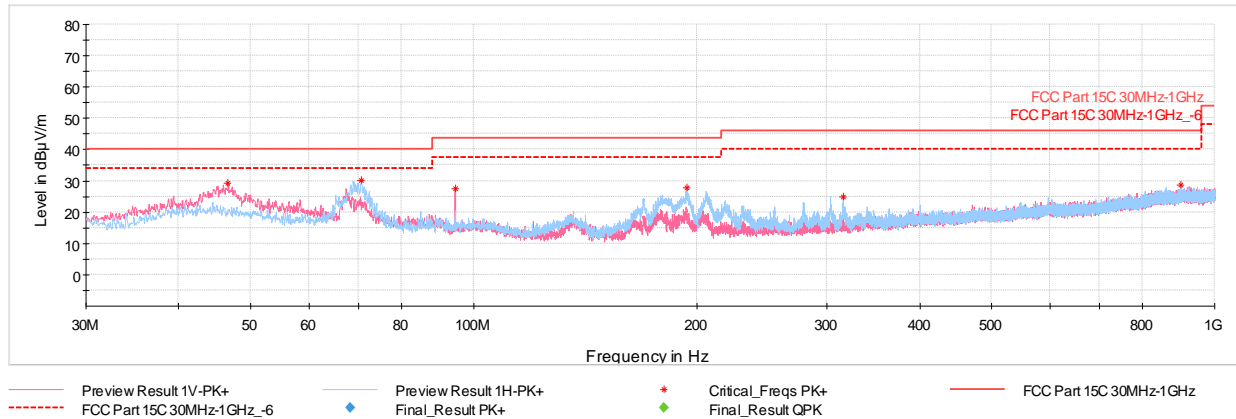
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
39.31	Max-Peak	V	100	64	-67.32	-16.04	23.64	40.00	-16.36
68.27	Max-Peak	V	100	94	-62.11	-18.52	26.37	40.00	-13.63
94.46	Max-Peak	V	100	189	-62.29	-17.48	27.23	43.52	-16.29
148.34	Max-Peak	V	100	204	-64.66	-19.78	22.56	43.52	-20.96
224.92	Max-Peak	H	100	223	-64.16	-15.45	27.39	46.02	-18.63
445.84	Max-Peak	H	200	292	-67.68	-9.93	29.39	46.02	-16.63

Table 7-254. Radiated Spurious Emissions below 1GHz CDD Primary (802.11ax – Ch.1 – RU242) with AC/DC adaptor via USB-C cable with wire charger

FCC ID: BCGA3267 IC: 579C-A3267		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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7.8.2 CDD Diversity Radiated Spurious Emissions Measurements (Below 1GHz)



Plot 7-1220. Radiated Spurious Emissions below 1GHz CDD Diversity (802.11ax – Ch.1 – RU26) with AC/DC adaptor via USB-C cable with wire charger

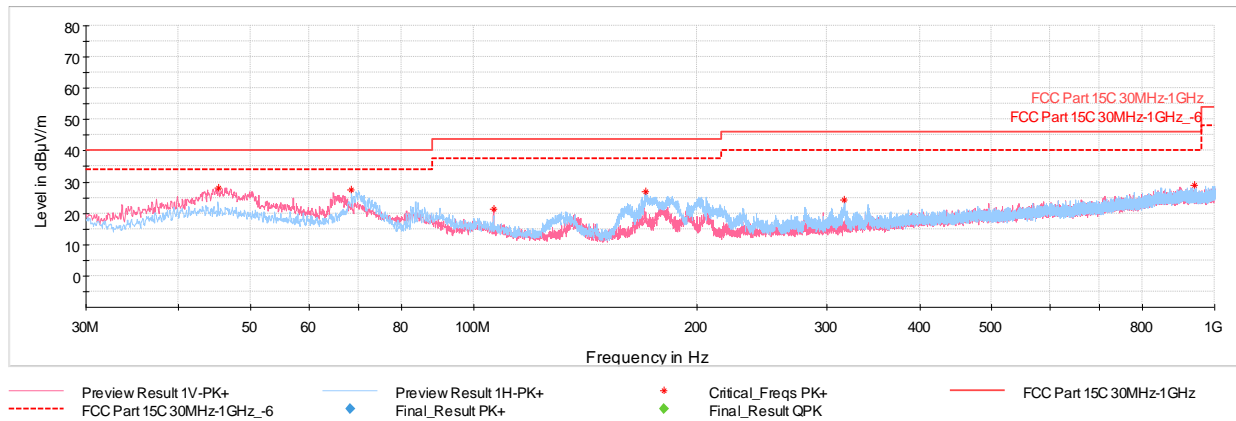
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
46.64	Max-Peak	V	100	32	-63.43	-14.40	29.17	40.00	-10.83
70.60	Max-Peak	H	300	288	-57.59	-19.27	30.14	40.00	-9.86
94.46	Max-Peak	V	100	184	-62.14	-17.48	27.38	43.52	-16.14
193.88	Max-Peak	H	100	5	-63.20	-16.07	27.73	43.52	-15.79
315.13	Max-Peak	H	100	15	-69.19	-12.85	24.96	46.02	-21.06
901.21	Max-Peak	H	100	162	-76.73	-1.58	28.69	46.02	-17.33

Table 7-255. Radiated Spurious Emissions below 1GHz CDD Diversity (802.11ax – Ch.1 – RU26) with AC/DC adaptor via USB-C cable with wire charger

FCC ID: BCGA3267 IC: 579C-A3267		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-1221. Radiated Spurious Emissions below 1GHz CDD Diversity (802.11ax – Ch.1 – RU242) with AC/DC adaptor via USB-C cable with wire charger

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]
45.28	Max-Peak	V	100	16	-64.24	-14.53	28.23	40.00	-11.77
68.41	Max-Peak	H	100	272	-60.99	-18.57	27.44	40.00	-12.56
106.49	Max-Peak	V	100	111	-68.94	-16.61	21.45	43.52	-22.07
170.80	Max-Peak	H	200	142	-61.73	-18.45	26.82	43.52	-16.70
316.73	Max-Peak	H	100	180	-69.97	-12.74	24.29	46.02	-21.73
938.99	Max-Peak	H	100	10	-76.59	-1.55	28.86	46.02	-17.16

Table 7-256. Radiated Spurious Emissions below 1GHz CDD Diversity (802.11ax – Ch.1 – RU242) with AC/DC adaptor via USB-C cable with wire charger

FCC ID: BCGA3267 IC: 579C-A3267	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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7.9 AC Line-Conducted Emissions Measurement

§15.407; 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. Only the conducted emissions of the configuration that produced the worst case emissions are reported in this section.

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 7-257. Conducted Limits

*Decreases with the logarithm of the frequency.

Test Procedures Used

ANSI C63.10-2020, Section 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

FCC ID: BCGA3267 IC: 579C-A3267		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Test Setup

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

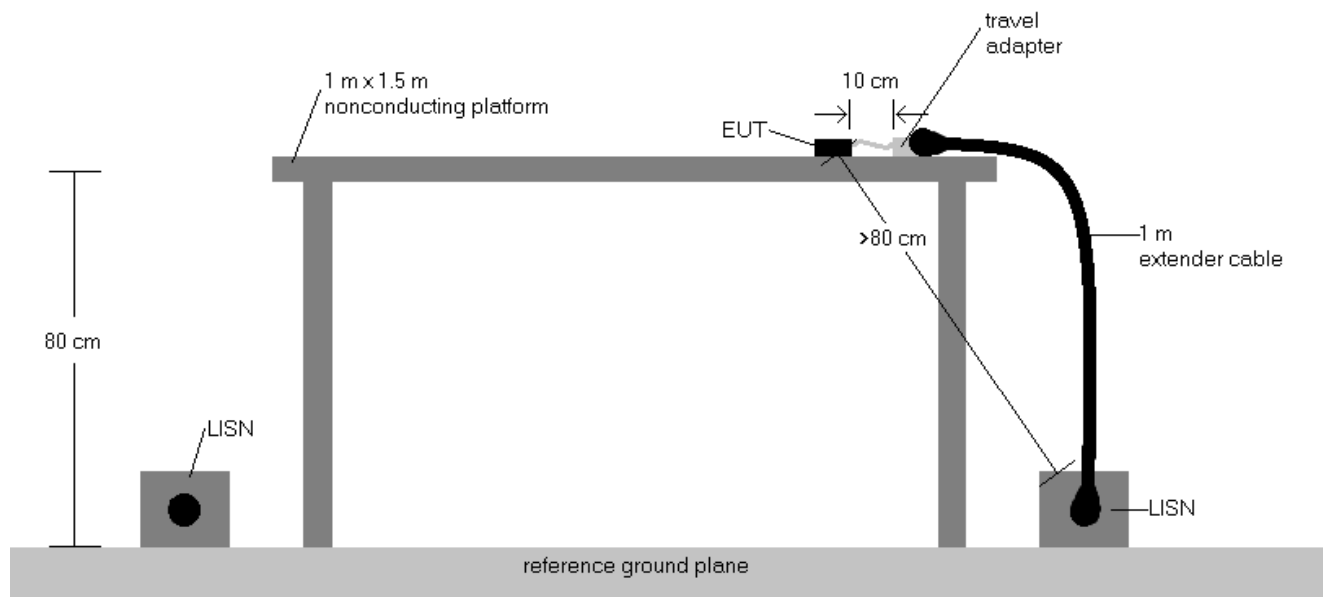


Figure 7-8. Test Instrument & Measurement Setup

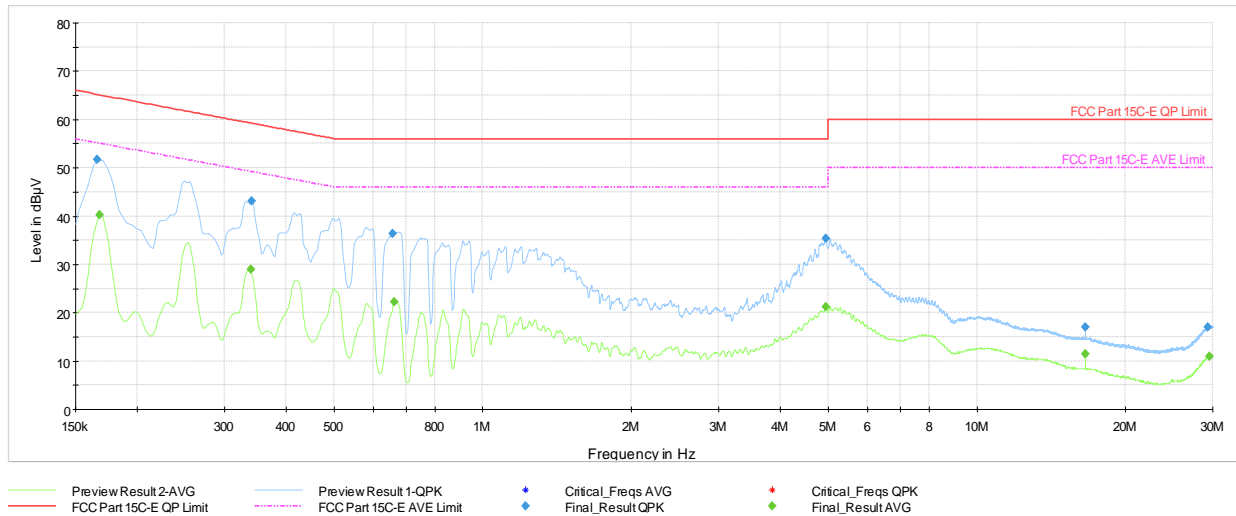
Test Notes

- 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).
- $\text{Corr. (dB)} = \text{Cable loss (dB)} + \text{LISN insertion factor (dB)}$
- $\text{QP/AV Level (dB}\mu\text{V)} = \text{QP/AV Analyzer/Receiver Level (dB}\mu\text{V)} + \text{Correction Factor (dB)}$
- $\text{Margin (dB)} = \text{QP/AV Level (dB}\mu\text{V)} - \text{QP/AV Limit (dB}\mu\text{V)}$
- Traces shown in plots are made using quasi-peak and average detectors.
- Deviations to the Specifications: None.
- The unit was tested with all possible modes and only the highest emission is reported.

FCC ID: BCGA3267 IC: 579C-A3267		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210073-24.BCG	Test Dates: 10/25/2024 - 12/31/2024	EUT Type: Tablet Device	Page 579 of 594

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7.9.1 CDD Primary AC Line Conducted Emission



Plot 7-1222. AC Line Conducted Plot with 11ax CDD Primary UNII Band 5 – RU26 – Ch.1 (L1) with AC/DC adaptor via USB-C cable with wire charger

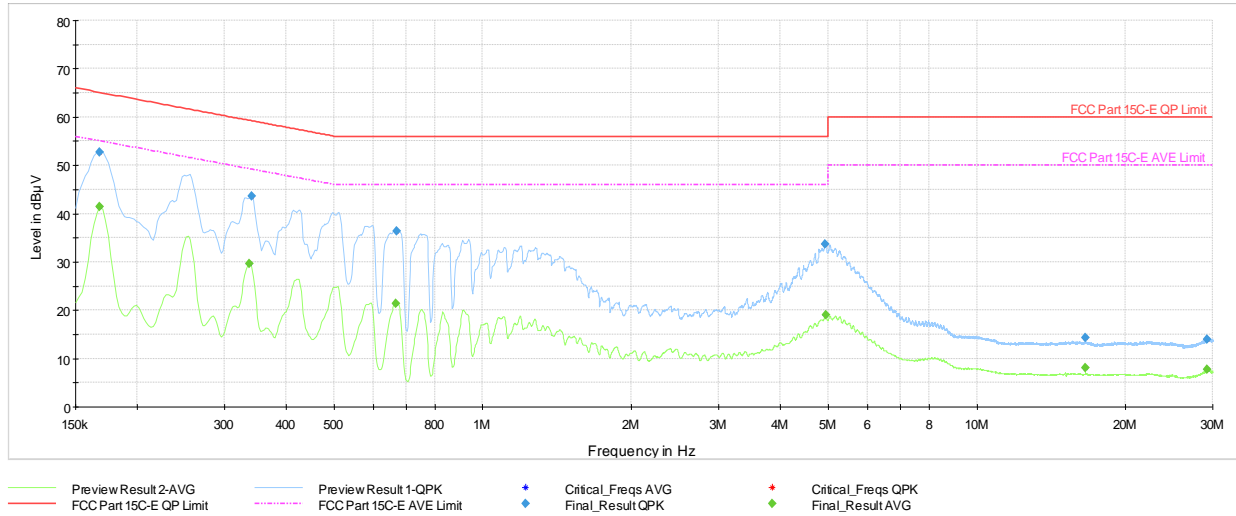
Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.166	FINAL	51.6	—	65.17	-13.55	L1	GND
0.168	FINAL	—	40.19	55.06	-14.87	L1	GND
0.339	FINAL	—	28.93	49.23	-20.30	L1	GND
0.341	FINAL	43.1	—	59.17	-16.07	L1	GND
0.659	FINAL	36.4	—	56.00	-19.65	L1	GND
0.663	FINAL	—	22.30	46.00	-23.70	L1	GND
4.940	FINAL	35.4	—	56.00	-20.62	L1	GND
4.940	FINAL	—	21.19	46.00	-24.81	L1	GND
16.557	FINAL	17.0	—	60.00	-42.97	L1	GND
16.557	FINAL	—	11.43	50.00	-38.57	L1	GND
29.353	FINAL	17.1	—	60.00	-42.92	L1	GND
29.600	FINAL	—	10.92	50.00	-39.08	L1	GND

Table 7-258. AC Line Conducted Data with 11ax CDD Primary UNII Band 5 – RU26 – Ch.1 (L1) with AC/DC adaptor via USB-C cable with wire charger

FCC ID: BCGA3267 IC: 579C-A3267			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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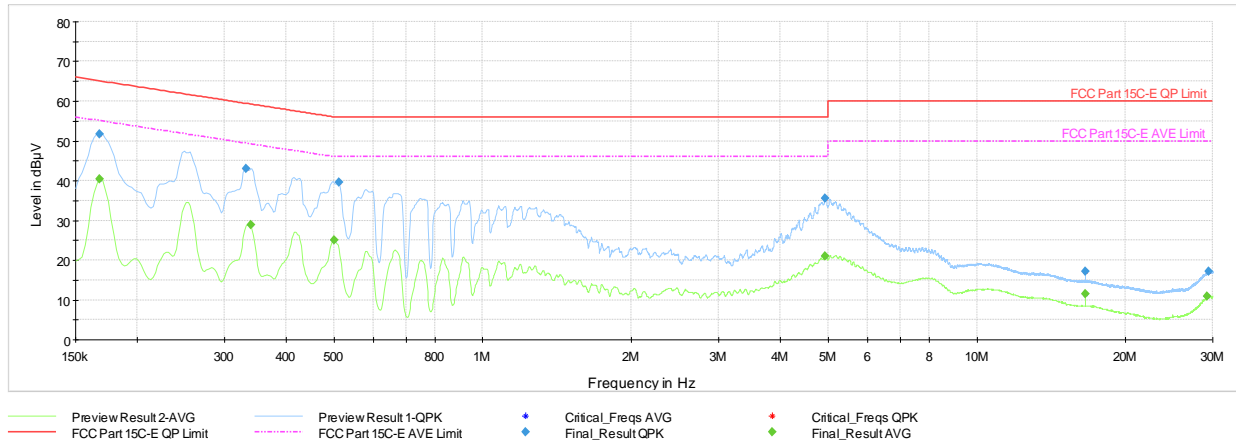
Plot 7-1223. AC Line Conducted Plot with 11ax CDD Primary UNII Band 5 – RU26 – Ch.1 (N) with AC/DC adaptor via USB-C cable with wire charger

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.168	FINAL	—	41.37	55.06	-13.69	N	GND
0.168	FINAL	52.8	—	65.06	-12.31	N	GND
0.337	FINAL	—	29.66	49.28	-19.63	N	GND
0.341	FINAL	43.7	—	59.17	-15.50	N	GND
0.668	FINAL	—	21.43	46.00	-24.57	N	GND
0.670	FINAL	36.3	—	56.00	-19.69	N	GND
4.938	FINAL	33.7	—	56.00	-22.33	N	GND
4.945	FINAL	—	19.06	46.00	-26.94	N	GND
16.564	FINAL	14.3	—	60.00	-45.66	N	GND
16.564	FINAL	—	8.14	50.00	-41.86	N	GND
29.236	FINAL	—	7.74	50.00	-42.26	N	GND
29.236	FINAL	14.0	—	60.00	-46.02	N	GND

Table 7-259. AC Line Conducted Data with 11ax CDD Primary UNII Band 5 – RU26 – Ch.1 (N) with AC/DC adaptor via USB-C cable with wire charger

FCC ID: BCGA3267 IC: 579C-A3267		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210073-24.BCG	Test Dates: 10/25/2024 - 12/31/2024	EUT Type: Tablet Device	Page 581 of 594

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Plot 7-1224. AC Line Conducted Plot with 11ax CDD Primary UNII Band 5 – RU242 – Ch.1 (L1) with AC/DC adaptor via USB-C cable with wire charger

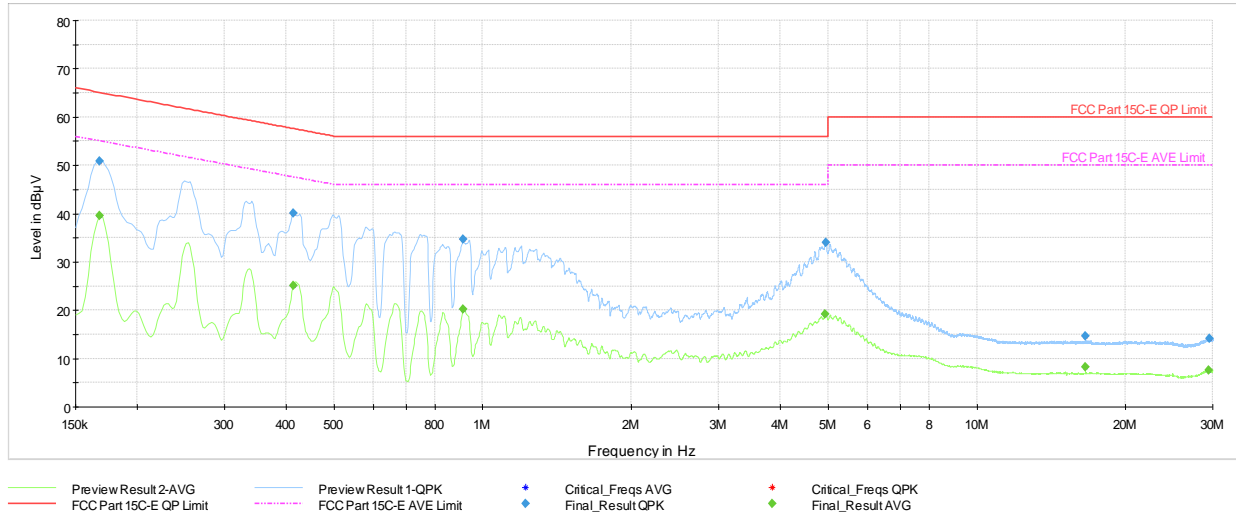
Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.168	FINAL	—	40.44	55.06	-14.62	L1	GND
0.168	FINAL	51.7	—	65.06	-13.35	L1	GND
0.332	FINAL	43.1	—	59.40	-16.27	L1	GND
0.339	FINAL	—	28.83	49.23	-20.40	L1	GND
0.501	FINAL	—	25.09	46.00	-20.91	L1	GND
0.512	FINAL	39.5	—	56.00	-16.47	L1	GND
4.929	FINAL	—	21.07	46.00	-24.93	L1	GND
4.936	FINAL	35.6	—	56.00	-20.44	L1	GND
16.571	FINAL	17.2	—	60.00	-42.82	L1	GND
16.571	FINAL	—	11.55	50.00	-38.45	L1	GND
29.236	FINAL	—	10.96	50.00	-39.04	L1	GND
29.425	FINAL	17.1	—	60.00	-42.91	L1	GND

Table 7-260. AC Line Conducted Data with 11ax CDD Primary UNII Band 5 – RU242 – Ch.1 (L1) with AC/DC adaptor via USB-C cable with wire charger

FCC ID: BCGA3267 IC: 579C-A3267	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Plot 7-1225. AC Line Conducted Plot with 11ax CDD Primary UNII Band 5 – RU242 – Ch.1 (N) with AC/DC adaptor via USB-C cable with wire charger

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.168	FINAL	—	39.58	55.06	-15.48	N	GND
0.168	FINAL	50.8	—	65.06	-14.23	N	GND
0.413	FINAL	—	25.12	47.58	-22.46	N	GND
0.413	FINAL	40.1	—	57.58	-17.52	N	GND
0.913	FINAL	—	20.27	46.00	-25.73	N	GND
0.913	FINAL	34.7	—	56.00	-21.34	N	GND
4.938	FINAL	—	19.20	46.00	-26.80	N	GND
4.945	FINAL	34.0	—	56.00	-22.05	N	GND
16.573	FINAL	14.6	—	60.00	-45.39	N	GND
16.573	FINAL	—	8.26	50.00	-41.74	N	GND
29.425	FINAL	—	7.60	50.00	-42.40	N	GND
29.519	FINAL	14.1	—	60.00	-45.90	N	GND

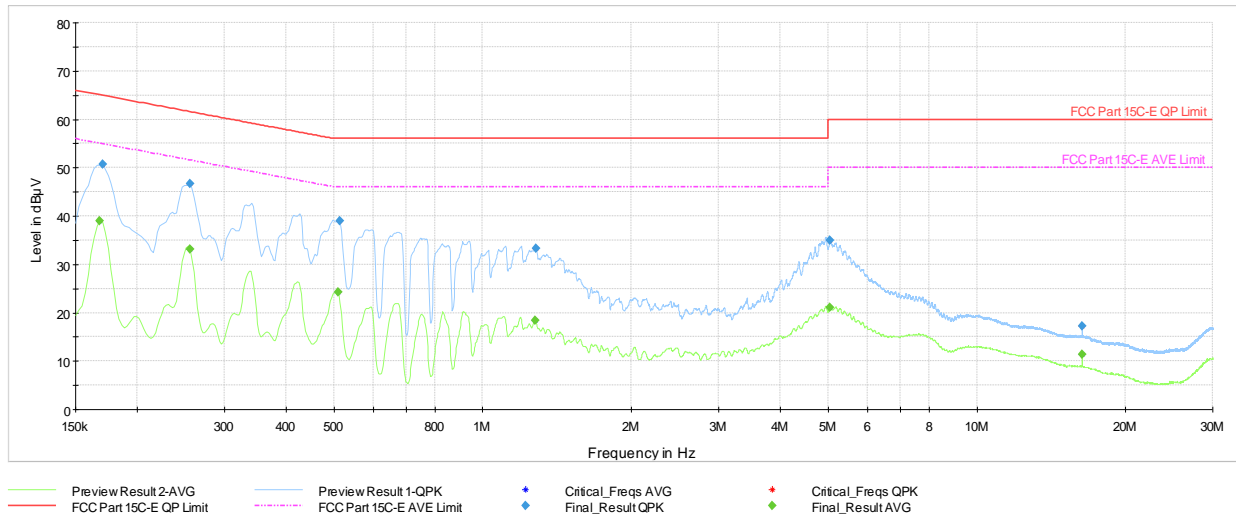
Table 7-261. AC Line Conducted Data with 11ax CDD Primary UNII Band 5 – RU242 – Ch.1 (N) with AC/DC adaptor via USB-C cable with wire charger

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7.9.2 CDD Diversity AC Line Conducted Emission



Plot 7-1226. AC Line Conducted Plot with 11ax CDD Diversity UNII Band 5 – RU26 – Ch.1 (L1) with AC/DC adaptor via USB-C cable with wire charger

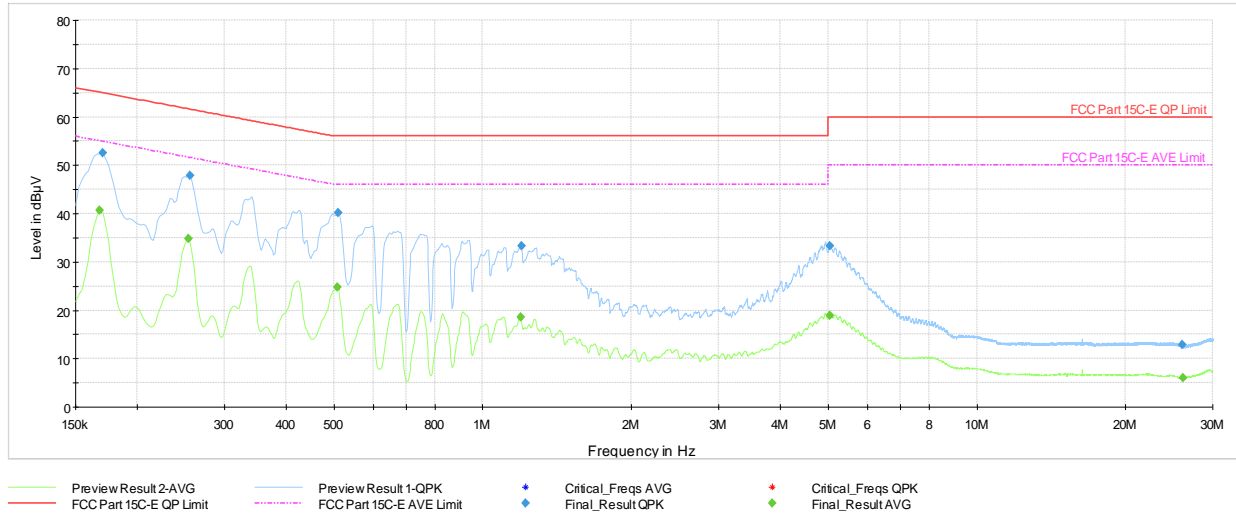
Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.168	FINAL	—	39.05	55.06	-16.01	L1	GND
0.170	FINAL	50.7	—	64.95	-14.21	L1	GND
0.256	FINAL	—	33.15	51.57	-18.42	L1	GND
0.256	FINAL	46.7	—	61.57	-14.92	L1	GND
0.510	FINAL	—	24.22	46.00	-21.78	L1	GND
0.515	FINAL	38.9	—	56.00	-17.06	L1	GND
1.277	FINAL	—	18.42	46.00	-27.58	L1	GND
1.284	FINAL	33.3	—	56.00	-22.73	L1	GND
5.044	FINAL	—	21.13	50.00	-28.87	L1	GND
5.046	FINAL	34.9	—	60.00	-25.07	L1	GND
16.337	FINAL	—	11.38	50.00	-38.62	L1	GND
16.337	FINAL	17.2	—	60.00	-42.81	L1	GND

Table 7-262. AC Line Conducted Data with 11ax CDD Diversity UNII Band 5 – RU26 – Ch.1 (L1) with AC/DC adaptor via USB-C cable with wire charger

FCC ID: BCGA3267 IC: 579C-A3267		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-1227. AC Line Conducted Plot with 11ax CDD Diversity UNII Band 5 – RU26 – Ch.1 (N) with AC/DC adaptor via USB-C cable with wire charger

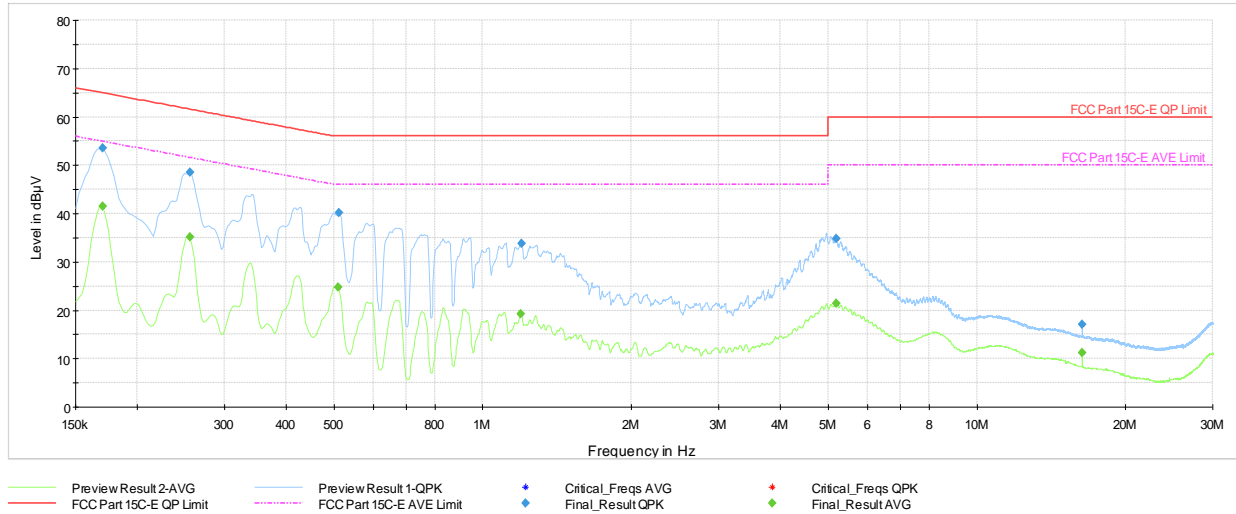
Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.168	FINAL	—	40.71	55.06	-14.35	N	GND
0.170	FINAL	52.6	—	64.95	-12.32	N	GND
0.254	FINAL	—	34.75	51.64	-16.89	N	GND
0.256	FINAL	47.9	—	61.57	-13.63	N	GND
0.508	FINAL	—	24.70	46.00	-21.30	N	GND
0.510	FINAL	40.2	—	56.00	-15.82	N	GND
1.194	FINAL	—	18.63	46.00	-27.37	N	GND
1.199	FINAL	33.4	—	56.00	-22.64	N	GND
5.037	FINAL	33.3	—	60.00	-26.71	N	GND
5.051	FINAL	—	18.97	50.00	-31.03	N	GND
26.061	FINAL	12.8	—	60.00	-47.16	N	GND
26.099	FINAL	—	5.98	50.00	-44.02	N	GND

Table 7-263. AC Line Conducted Data with 11ax CDD Diversity UNII Band 5 – RU26 – Ch.1 (N) with AC/DC adaptor via USB-C cable with wire charger

FCC ID: BCGA3267 IC: 579C-A3267			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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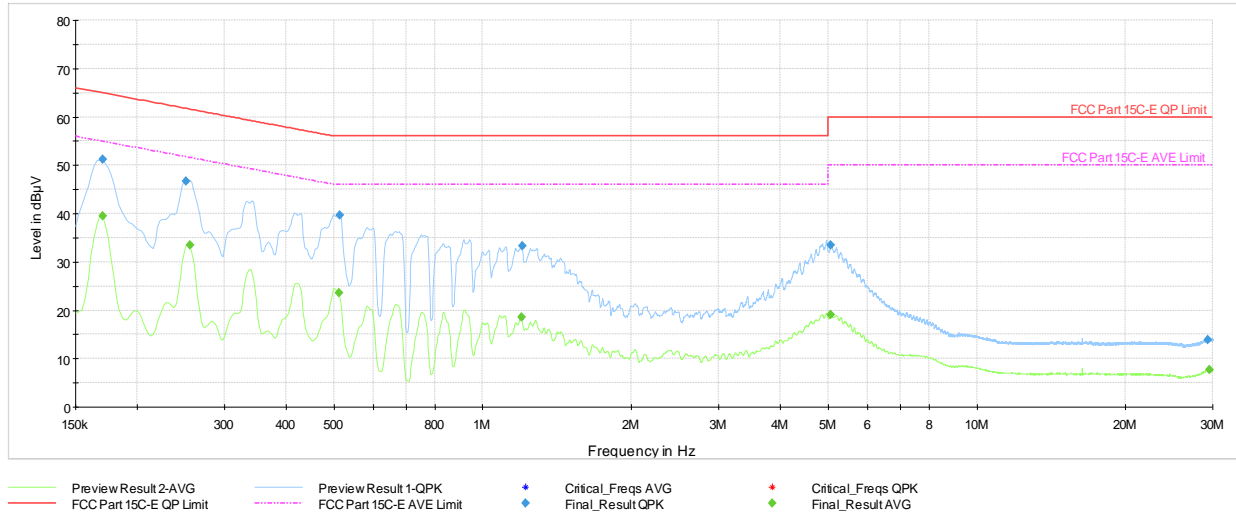
Plot 7-1228. AC Line Conducted Plot with 11ax Diversity UNII Band 5 – RU242 – Ch.1 (L1) with AC/DC Adaptor to AC/DC adaptor via USB-C cable with wire charger

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.170	FINAL	—	41.52	54.95	-13.43	L1	GND
0.170	FINAL	53.6	—	64.95	-11.40	L1	GND
0.256	FINAL	—	35.11	51.57	-16.46	L1	GND
0.256	FINAL	48.5	—	61.57	-13.04	L1	GND
0.510	FINAL	—	24.85	46.00	-21.15	L1	GND
0.512	FINAL	40.2	—	56.00	-15.77	L1	GND
1.196	FINAL	—	19.28	46.00	-26.72	L1	GND
1.201	FINAL	33.9	—	56.00	-22.15	L1	GND
5.190	FINAL	—	21.38	50.00	-28.62	L1	GND
5.197	FINAL	34.9	—	60.00	-25.11	L1	GND
16.352	FINAL	—	11.21	50.00	-38.79	L1	GND
16.352	FINAL	17.0	—	60.00	-43.00	L1	GND

Table 7-264. AC Line Conducted Data with 11ax Diversity UNII Band 5 – RU242 – Ch.1 (L1) with AC/DC adaptor via USB-C cable with wire charger

FCC ID: BCGA3267 IC: 579C-A3267	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Plot 7-1229. AC Line Conducted Plot with 11ax Diversity UNII Band 5 – RU242 – Ch.1 (N) with AC/DC adaptor via USB-C cable with wire charger

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.170	FINAL	—	39.45	54.95	-15.50	N	GND
0.170	FINAL	51.2	—	64.95	-13.76	N	GND
0.251	FINAL	46.8	—	61.72	-14.97	N	GND
0.256	FINAL	—	33.47	51.57	-18.10	N	GND
0.512	FINAL	—	23.52	46.00	-22.48	N	GND
0.515	FINAL	39.8	—	56.00	-16.25	N	GND
1.199	FINAL	—	18.56	46.00	-27.44	N	GND
1.203	FINAL	33.3	—	56.00	-22.75	N	GND
5.062	FINAL	33.4	—	60.00	-26.59	N	GND
5.062	FINAL	—	19.12	50.00	-30.88	N	GND
29.335	FINAL	13.9	—	60.00	-46.10	N	GND
29.522	FINAL	—	7.71	50.00	-42.29	N	GND

Table 7-265. AC Line Conducted Data with 11ax Diversity UNII Band 5 – RU242 – Ch.1 (N) with AC/DC adaptor via USB-C cable with wire charger

FCC ID: BCGA3267 IC: 579C-A3267		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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7.10 Proper Power Adjustment, Client Devices Connected to a Standard Power Access Point

§15.407; RSS-248

Test Overview and Limits

A client device that connects to a Standard Power AP must limit its power to a minimum of 6 dB lower than its associated Standard Power access point's authorized transmit power. The term "authorized" means the AFC-approved power level for the AP to use on a particular channel.

Test Procedure Used

KDB 987594 D03 – Section L

ANSI C63.10-2020 – Section 12.4.3.2 Method PM-G

ANSI C63.10-2020 – Section 14.4 Measure-and-Sum Technique

Test Settings

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter. The trace was averaged over 100 traces to obtain the final measured average power.

Test Setup

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

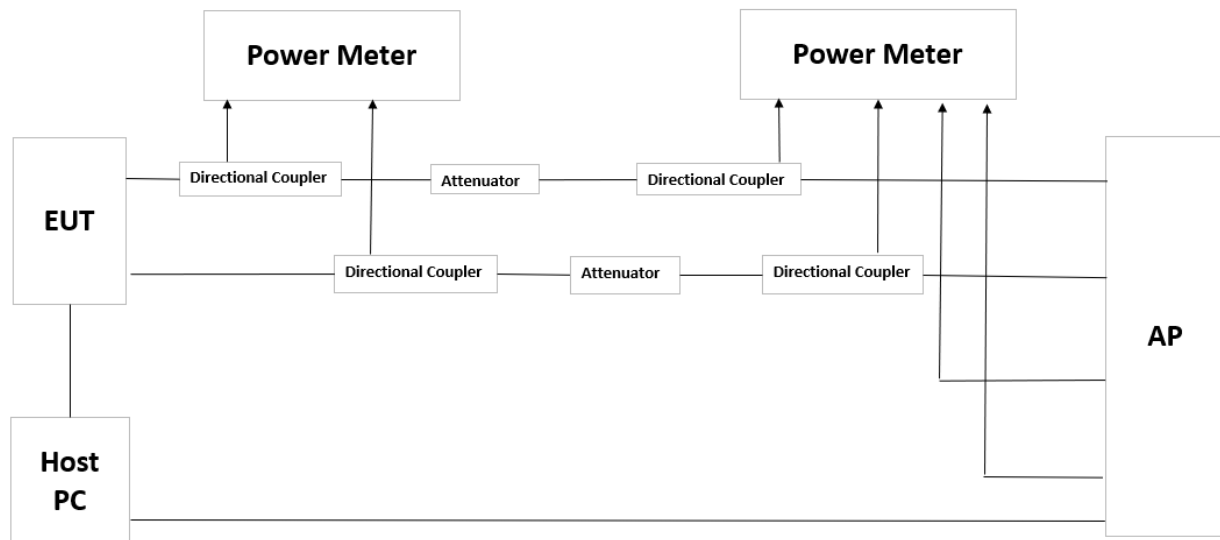


Figure 7-9. Test Instrument & Measurement Setup

Test Notes

1. AFC Limit was set to 36, 28 and 21 dBm EIRP.
2. Standard Power AP which was used in the test setup is not certified and it's a production version.
3. Standard Power AP specification is declared by Apple/manufacture.

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AFC Authorized Power (36dBm EIRP)

```
# wl afc_info
AFC information
Ver: 1, Type: 0x00/0, Reg_info_type: 0x04/4, Flags:0x0000/0,
[Req_info:0x00000000 (0u, 0, ""),
Expiry-in:86099sec, Num-ch:1, qdBm-offset:17, Num-entries:2 (1+1)
[
    dBm + offset (+4.25 dBm)
    -----
    Center-ch | EIRPc | PSDf | Example chanspec
    37 / 0x25 | +36.00 | +23.00 | 0x5025 : 6g37
```

Figure 7-10. AP AFC EIRP/PSD Authorization by channel – 36dBm

Channel	Frequency (MHz)	Power Measured (dBm)			Correlated Gain (dBi)	Measured e.i.r.p (dBm)	Limit (dBm)	Margin (dB)
		Antenna 3c	Antenna 3a	Summed				
37	6135	11.25	7.00	12.64	1.80	14.44	30.00	-15.56

Table 7-266: EUT measured e.i.r.p (MIMO)

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AFC Authorized Power (28dBm EIRP)


```
# wl afc_info
AFC information
Ver: 1, Type: 0x00/0, Reg_info_type: 0x04/4, Flags:0x0000/0,
Reg_info:0x00000000 (0u, 0, ""),
[Expiry-in:86316sec, Num-ch:1, qdBm-offset:17, Num-entries:2 (1+1)

[      dBm + offset (+4.25 dBm)
-----
Center-ch | EIRPc | PSDf | Example chanspec
37 / 0x25 | +28.00 | +15.00 | 0x5025 : 6g37
```

Figure 7-11. AP AFC EIRP/PSD Authorization by channel – 28dBm

Channel	Frequency (MHz)	Power Measured (dBm)			Correlated Gain (dBi)	Measured e.i.r.p (dBm)	Limit (dBm)	Margin (dB)
		Antenna 3c	Antenna 3a	Summed				
37	6135	11.20	6.89	12.57	1.80	14.37	22.00	-7.63

Table 7-267: EUT measured e.i.r.p (MIMO)

FCC ID: BCGA3267 IC: 579C-A3267	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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AFC Authorized Power (21dBm EIRP)

```
[# wl afc_info
AFC information
Ver: 1, Type: 0x00/0, Reg_info_type: 0x04/4, Flags:0x0000/0,
Req_info:0x00000000 (0u, 0, ""),
Expiry-in:86395sec, Num-ch:1, qdBm-offset:17, Num-entries:2 (1+1)

dBm + offset (+4.25 dBm)
-----
Center-ch | EIRPc | PSDf | Example chanspec
37 / 0x25 | +21.00 | +8.00 | 0x5025 : 6g37
```

Figure 7-12. AP AFC EIRP/PSD Authorization by channel – 28dBm

Antenna	Channel	Frequency (MHz)	Power Measured (dBm)	Antenna Gain (dBi)	Measured e.i.r.p (dBm)	Limit (dBm)	Margin (dB)
3c	37	6135	10.90	1.80	12.70	15.00	-2.30
3a	37	6135	6.98	0.50	7.48	15.00	-7.52

Table 7-268: EUT measured e.i.r.p (SISO)

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7.11 Dual Client Test, Demonstration of Proper Power Adjustment based on Associated AP

§15.407; RSS-248

Test Overview and Limits

A client device may connect to a Standard Power AP with a maximum power level of 30 dBm EIRP. A client may also connect to a Low Power indoor AP, but the power level is limited to a maximum of 24 dBm EIRP. If a client has the flexibility to connect to both APs, verification is needed to show that it can distinguish between the two configurations, and then control the power levels accordingly.

Test Procedure Used

KDB 987594 D02 v03 – Section K

ANSI C63.10-2020 – Section 12.4.3.2 Method PM-G

ANSI C63.10-2020 – Section 14.4 Measure-and-Sum Technique

Test Settings

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter. The trace was averaged over 100 traces to obtain the final measured average power.

Test Setup

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

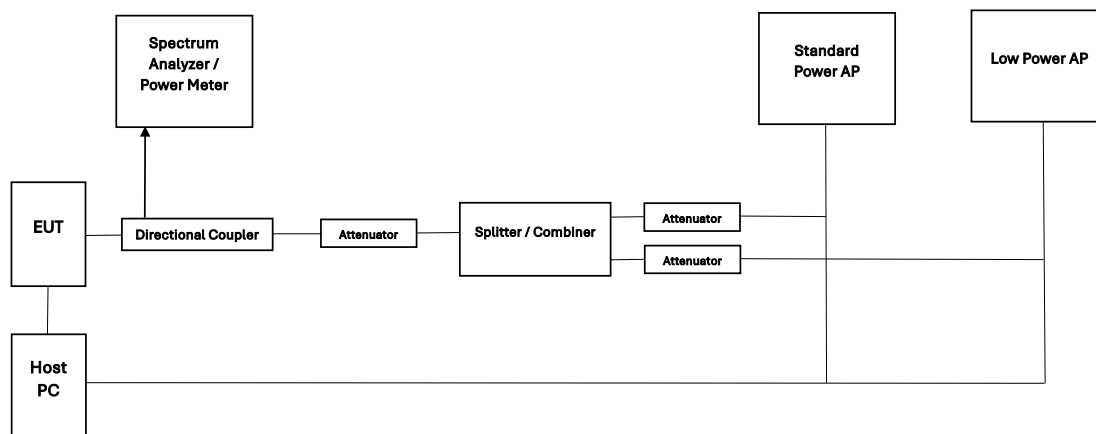


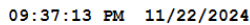
Figure 7-13. Test Instrument & Measurement Setup

Test Notes

1. Standard Power AP was set on highest power setting (36dBm EIRP)
2. Standard Power AP and Low Power Indoor AP were configured to transmit on same channel.
3. DUT was configured for SISO transmission so Antenna 3c was measured.

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Antenna	Channel	Frequency (MHz)	Power Measured (dBm)	Antenna Gain (dBi)	Measured e.i.r.p (dBm)
3c	37	6135	11.06	1.8	12.86

Antenna	Channel	Frequency (MHz)	Power Measured (dBm)	Antenna Gain (dBi)	Measured e.i.r.p (dBm)
3c	37	6135	5.03	1.8	6.83

FCC ID: BCGA3267 IC: 579C-A3267	 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: BCGA3267** and **IC: 579C-A3267** 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.

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