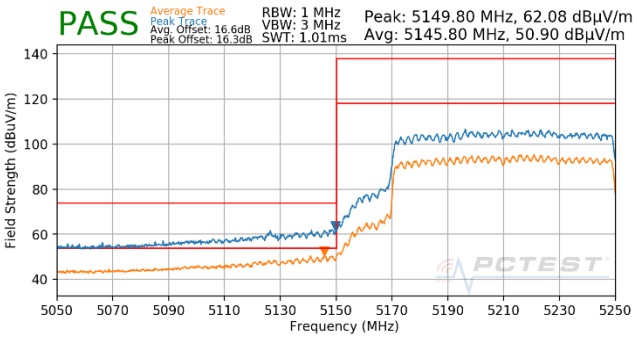
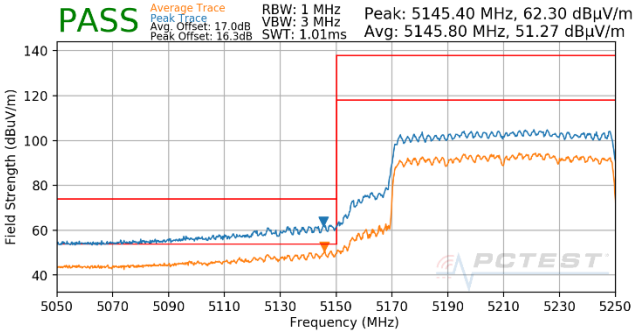
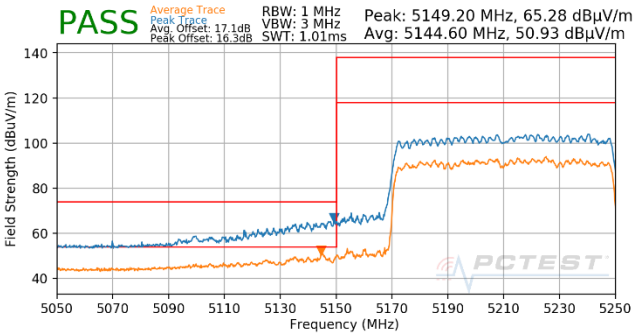


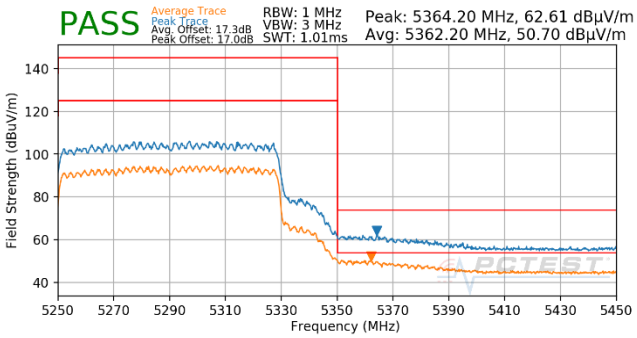
Plot 7-1770. CDD Diversity (Pk & Avg, Ch.42, 802.11ax(SU), MCS0)



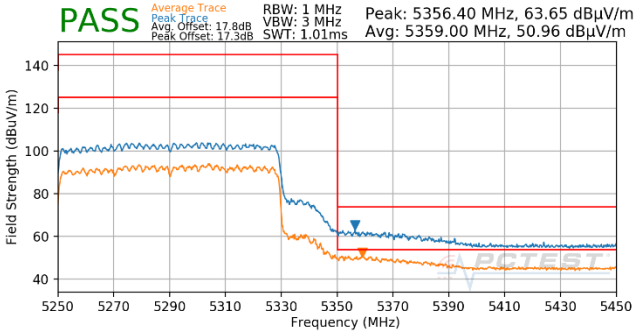
Plot 7-1771. CDD Diversity (Pk & Avg, Ch.42, 802.11ax(SU), MCS3)



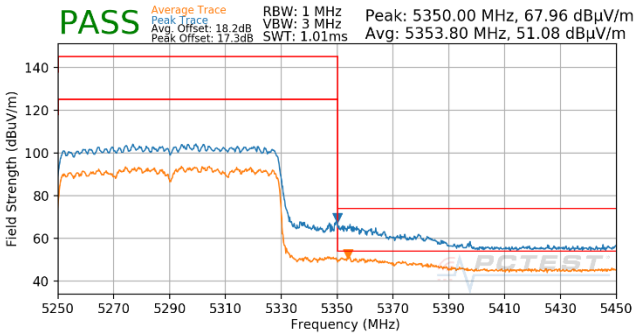
Plot 7-1772. CDD Diversity (Pk & Avg, Ch.42, 802.11ax(SU), MCS5)



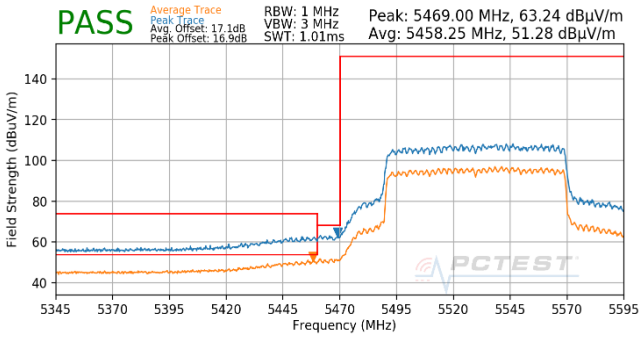
Plot 7-1773. CDD Diversity (Pk & Avg, Ch.58, 802.11ax(SU), MCS0)



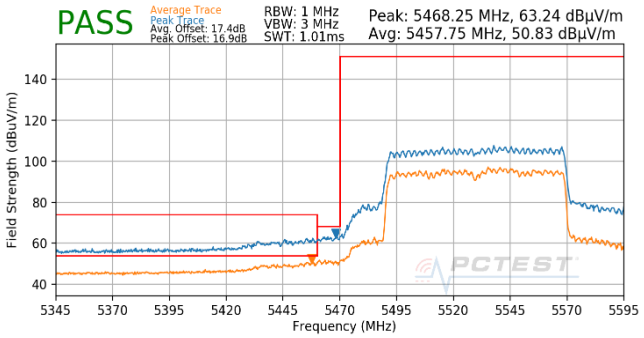
Plot 7-1774. CDD Diversity (Pk & Avg, Ch.58, 802.11ax(SU), MCS3)



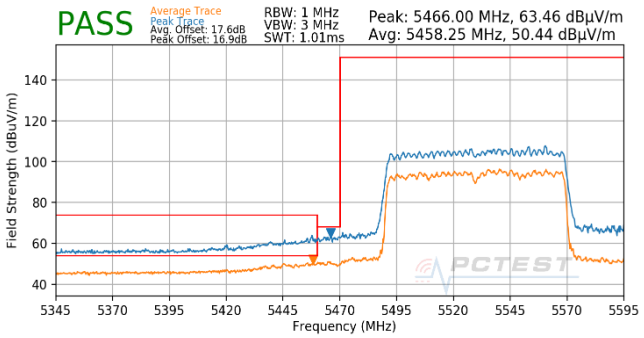
Plot 7-1775. CDD Diversity (Pk & Avg, Ch.58, 802.11ax(SU), MCS5)



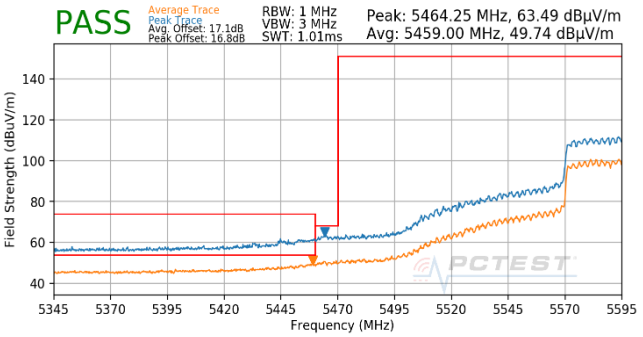
Plot 7-1776. CDD Diversity (Pk & Avg, Ch.106, 802.11ax(SU), MCS0)



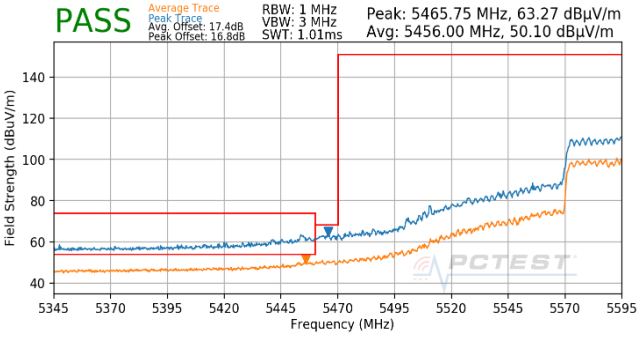
Plot 7-1777. CDD Diversity (Pk & Avg, Ch.106, 802.11ax(SU), MCS3)



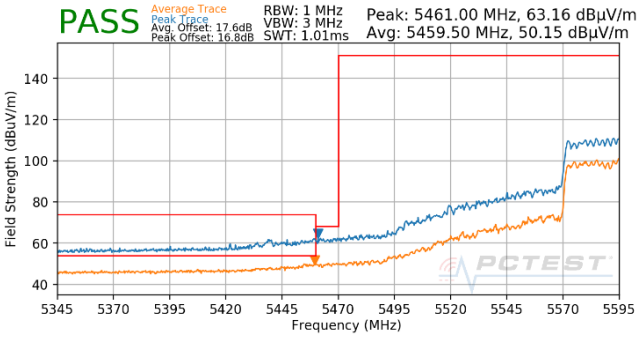
Plot 7-1778. CDD Diversity (Pk & Avg, Ch.106, 802.11ax(SU), MCS5)



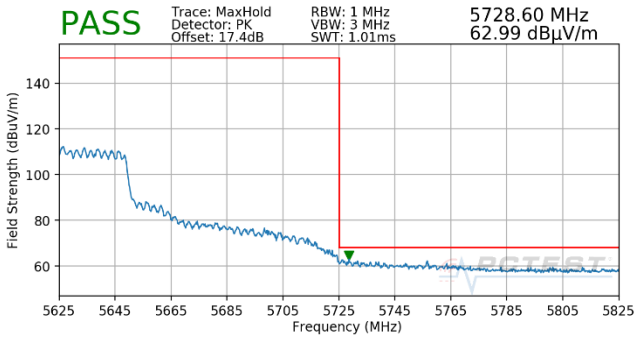
Plot 7-1779. (FCC Only) CDD Diversity (Pk & Avg, Ch.122, 802.11ax(SU), MCS0)



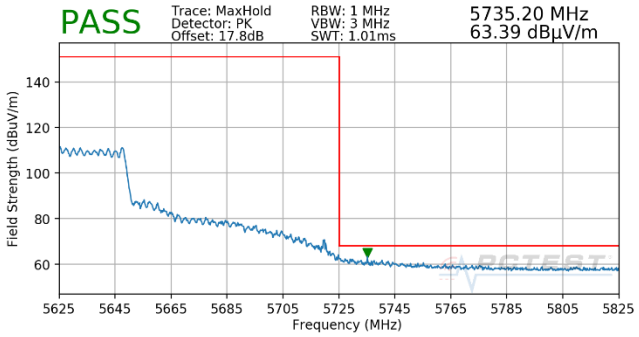
Plot 7-1780. (FCC Only) CDD Diversity (Pk & Avg, Ch.122, 802.11ax(SU), MCS3)



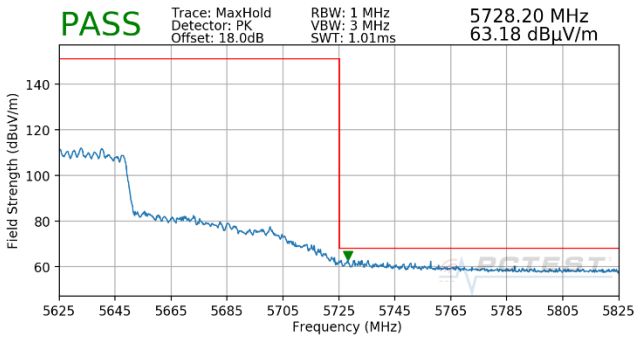
Plot 7-1781. (FCC Only) CDD Diversity (Pk & Avg, Ch.122, 802.11ax(SU), MCS5)



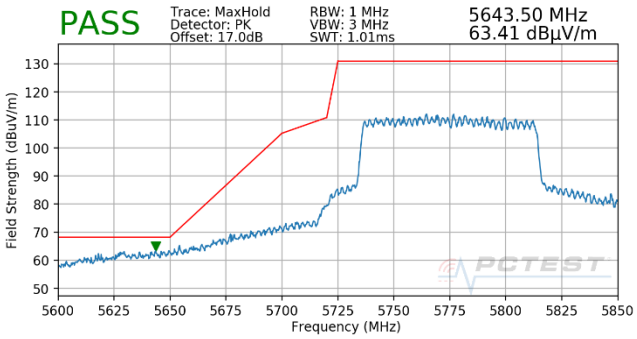
Plot 7-1782. (FCC Only) CDD Diversity (Pk, Ch.122, 802.11ax(SU), MCS0)



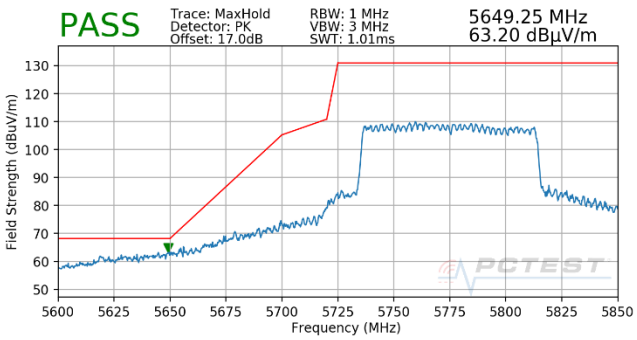
Plot 7-1783. (FCC Only) CDD Diversity (Pk, Ch.122, 802.11ax(SU), MCS3)



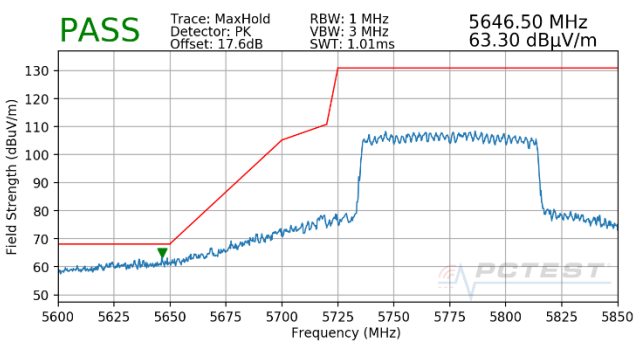
Plot 7-1784. (FCC Only) CDD Diversity (Pk, Ch.122, 802.11ax(SU), MCS5)



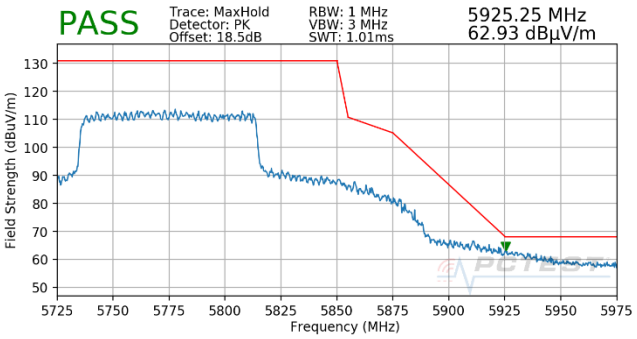
Plot 7-1785. CDD Diversity (Pk, Ch.155, 802.11ax(SU), MCS0)



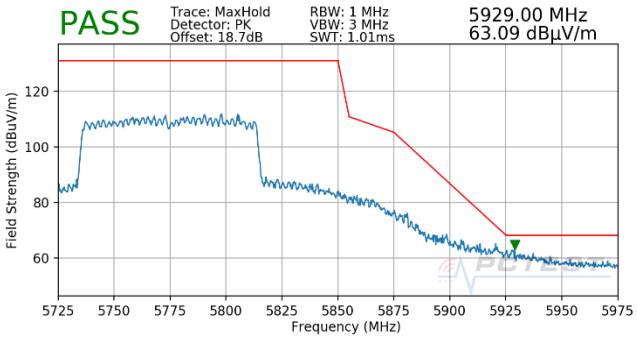
Plot 7-1786. CDD Diversity (Pk, Ch.155, 802.11ax(SU), MCS3)



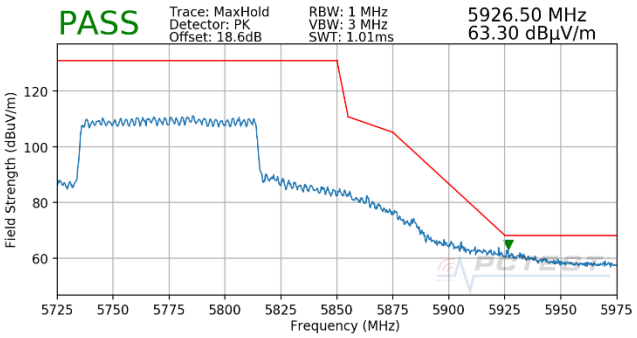
Plot 7-1787. CDD Diversity (Pk, Ch.155, 802.11ax(SU), MCS5)



Plot 7-1788. CDD Diversity (Pk, Ch.155, 802.11ax(SU), MCS0)



Plot 7-1790. CDD Diversity (Pk, Ch.155, 802.11ax(SU), MCS5)



Plot 7-1789. CDD Diversity (Pk, Ch.155, 802.11ax(SU), MCS3)

7.7 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 7-327 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 7-327. Radiated Limits

Test Procedures Used

ANSI C63.10-2013

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

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

Test Setup

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

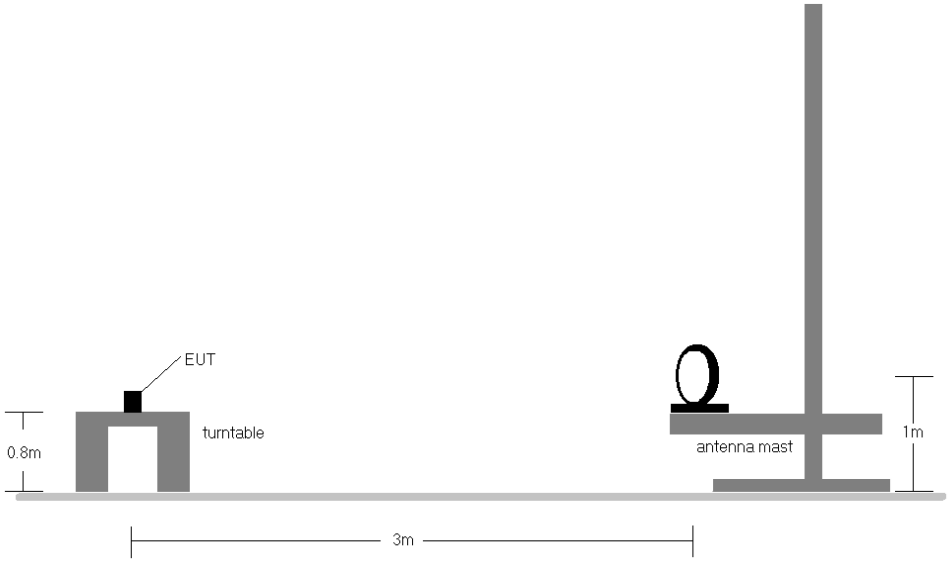


Figure 7-6. Radiated Test Setup < 30MHz

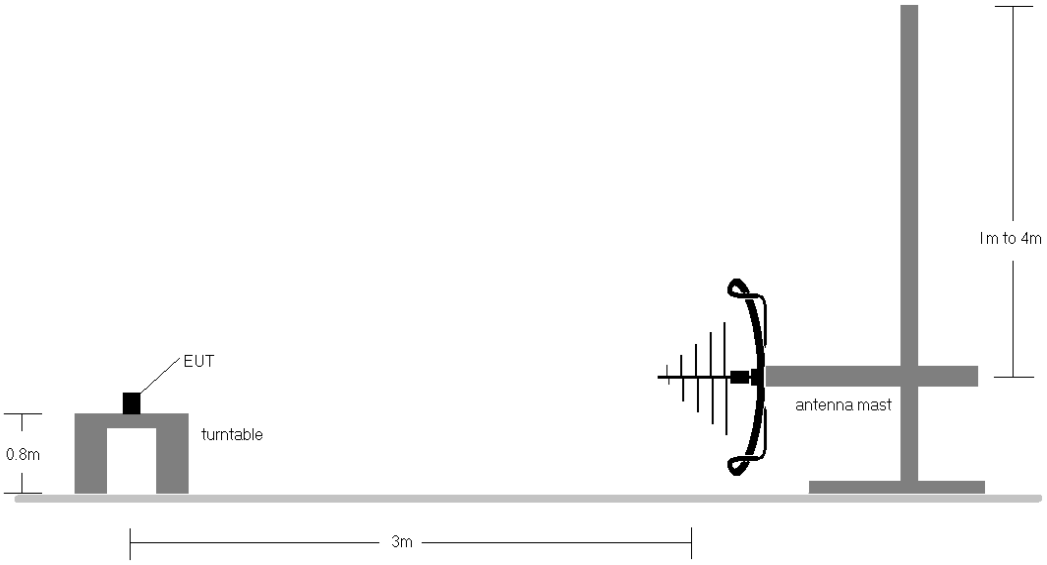


Figure 7-7. Radiated Test Setup < 1GHz

Test Notes

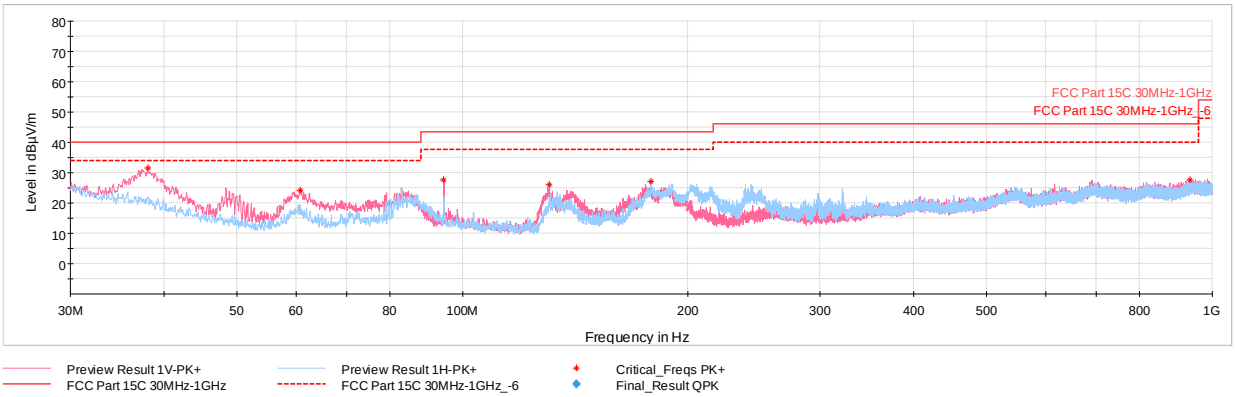
1. All emissions lying in restricted bands specified in §15.205 and RSS-Gen (8.10) are below the limit shown in Table 7-327.
2. The broadband receive antenna is manipulated through vertical and horizontal polarizations during the tests. The EUT is manipulated through three orthogonal planes. For below 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 $_{[dB\mu V/m]}$ = Analyzer Level $_{[dBm]}$ + 107 + AFCL $_{[dB/m]}$
- AFCL $_{[dB/m]}$ = Antenna Factor $_{[dB/m]}$ + Cable Loss $_{[dB]}$ - Preamp Gain $_{[dB]}$
- Margin $_{[dB]}$ = Field Strength Level $_{[dB\mu V/m]}$ – Limit $_{[dB\mu V/m]}$

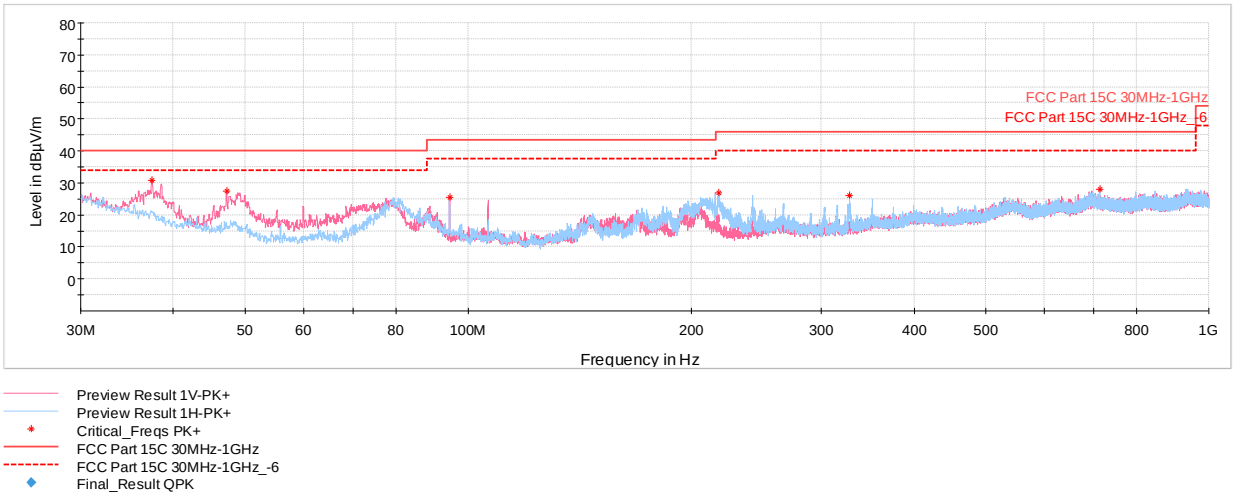
CDD/SDM Primary Radiated Spurious Emissions Measurements (Below 1GHz)
§15.209; RSS-Gen [8.9]



Plot 7-1791. Radiated Spurious Emissions below 1GHz CDD Primary, 802.11n, 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]
38.05	Max Peak	V	100	64	-59.62	-15.71	31.67	40.00	-8.33
60.70	Max Peak	V	100	8	-61.70	-21.14	24.16	40.00	-15.84
94.46	Max Peak	V	100	98	-58.96	-20.44	27.60	43.52	-15.92
130.54	Max Peak	V	100	18	-62.43	-18.64	25.93	43.52	-17.59
178.36	Max Peak	H	200	72	-63.93	-16.00	27.07	43.52	-16.45
934.48	Max Peak	V	300	325	-79.37	0.12	27.75	46.02	-18.27

Table 7-328. Radiated Spurious Emissions below 1GHz, 802.11n, Ch.40 with AC/DC Adapter



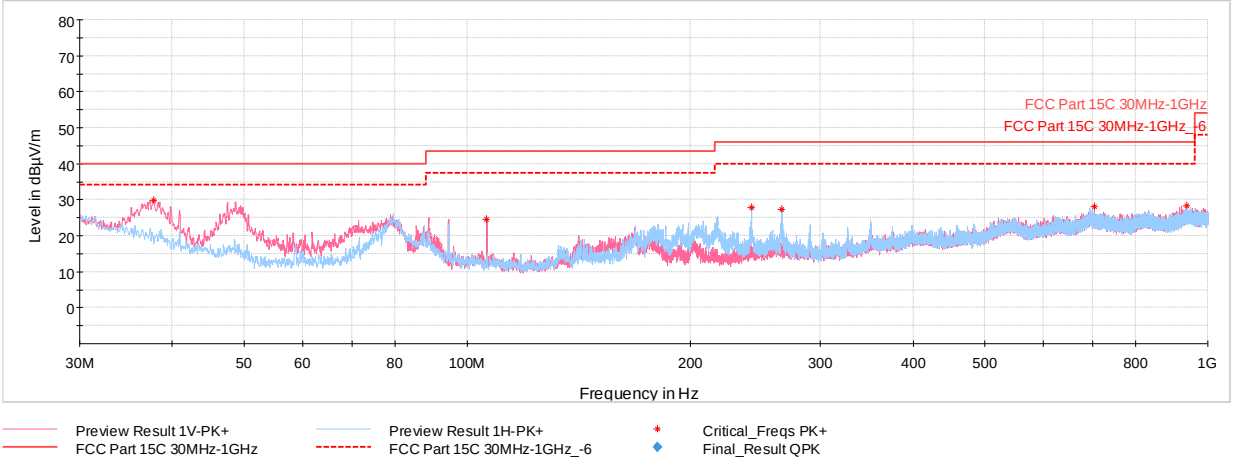
Plot 7-1792. Radiated Spurious Emissions below 1GHz CDD Primary, 802.11ax (SU), Ch.40 with AC/DC Adapter

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]
37.42	Max Peak	V	100	318	-61.06	-15.18	30.76	40.00	-9.24
47.22	Max Peak	V	100	155	-59.49	-20.11	27.40	40.00	-12.60
94.46	Max Peak	V	100	233	-61.09	-20.44	25.47	43.52	-18.05
217.84	Max Peak	H	100	77	-64.73	-15.44	26.83	46.02	-19.19
327.16	Max Peak	H	100	124	-68.98	-12.06	25.96	46.02	-20.06
712.10	Max Peak	H	300	167	-77.27	-1.82	27.91	46.02	-18.11

Table 7-329. Radiated Spurious Emissions below 1GHz, 802.11ax (SU), Ch.40 with AC/DC Adapter

CDD/SDM Diversity Radiated Spurious Emissions Measurements (Below 1GHz)

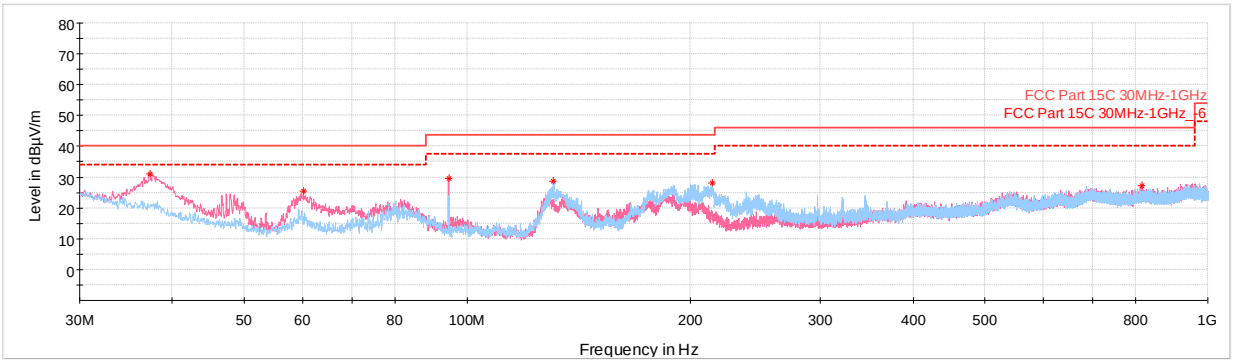
§15.209; RSS-Gen [8.9]



Plot 7-1793. Radiated Spurious Emissions below 1GHz CDD Diversity, 802.11n, 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]
37.71	Max Peak	V	100	329	-61.80	-15.43	29.77	40.00	-10.23
106.39	Max Peak	V	100	121	-62.51	-19.95	24.54	43.52	-18.98
242.04	Max Peak	H	100	238	-65.32	-13.83	27.85	46.02	-18.17
266.15	Max Peak	H	100	238	-67.21	-12.58	27.21	46.02	-18.81
703.28	Max Peak	V	200	81	-77.60	-1.33	28.07	46.02	-17.95
937.29	Max Peak	H	100	96	-78.89	0.16	28.27	46.02	-17.75

Table 7-330. Radiated Spurious Emissions below 1GHz, 802.11n, Ch.40 with AC/DC Adapter



Plot 7-1794. Radiated Spurious Emissions below 1GHz CDD Diversity, 802.11ax (SU), 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]
37.32	Max Peak	V	100	15	-60.98	-15.10	30.92	40.00	-9.08
60.17	Max Peak	V	100	357	-60.17	-21.24	25.59	40.00	-14.41
94.46	Max Peak	V	100	95	-57.09	-20.44	29.47	43.52	-14.05
130.64	Max Peak	H	200	73	-59.77	-18.65	28.58	43.52	-14.94
214.30	Max Peak	H	100	79	-63.39	-15.60	28.01	43.52	-15.51
815.26	Max Peak	V	300	88	-78.48	-1.22	27.30	46.02	-18.72

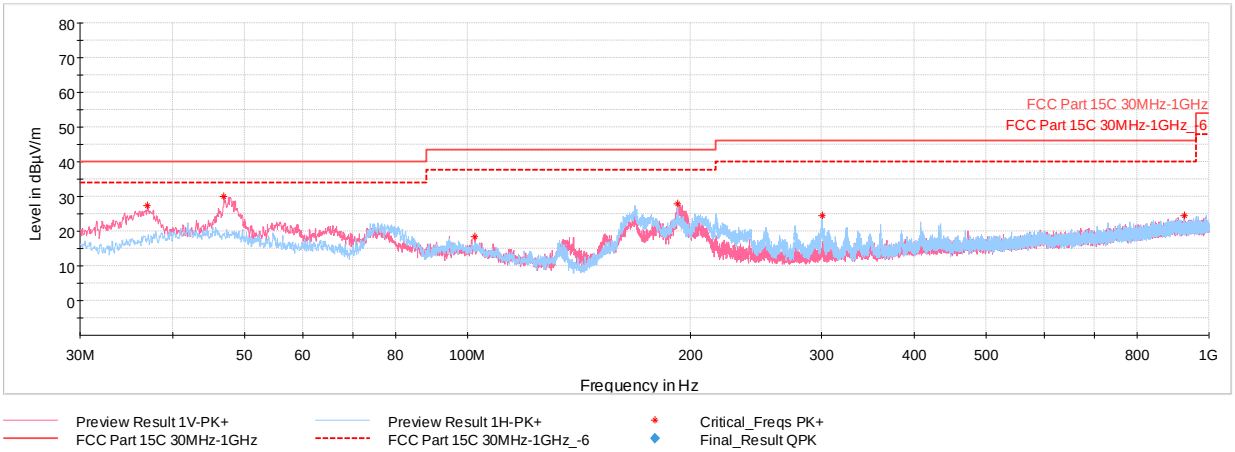
Table 7-331. Radiated Spurious Emissions below 1GHz, 802.11ax (SU), Ch.40 with AC/DC Adapter

Simultaneous Tx Radiated Spurious Emissions Measurements (Below 1GHz)

§15.209; RSS-Gen [8.9]

Description	LTE (Band 41)	Bluetooth	UNII
Antenna	Antenna 3a	Antenna 3a	Antenna 3a
Channel	40620	78	36
Operating Frequency (MHz)	2595	2480	5180
Mode/Modulation	QPSK/1RB/20MHz	BDR/GFSK/ePA	802.11n

Table 7-332. Worst Case Simultaneous Transmission Configuration



Plot 7-1795. Radiated Spurious Emissions below 1GHz Simultaneous Transmission (with AC/DC Adapter)

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
36.98	Max Peak	V	100	11	-14.95	27.31	40.00	-12.69
46.93	Max Peak	V	100	9	-20.22	30.08	40.00	-9.92
102.31	Max Peak	V	300	152	-20.45	18.36	43.52	-25.16
191.94	Max Peak	V	100	27	-16.59	27.90	43.52	-15.62
300.68	Max Peak	H	100	21	-15.35	24.49	46.02	-21.53
926.33	Max Peak	V	300	121	-0.65	24.47	46.02	-21.55

Table 7-333. Radiated Spurious Emissions Simultaneous Transmission Below 1GHz (with AC/DC Adapter)

7.8 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 7-334. Conducted Limits

*Decreases with the logarithm of the frequency.

Test Procedures Used

ANSI C63.10-2013, 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

Test Setup

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

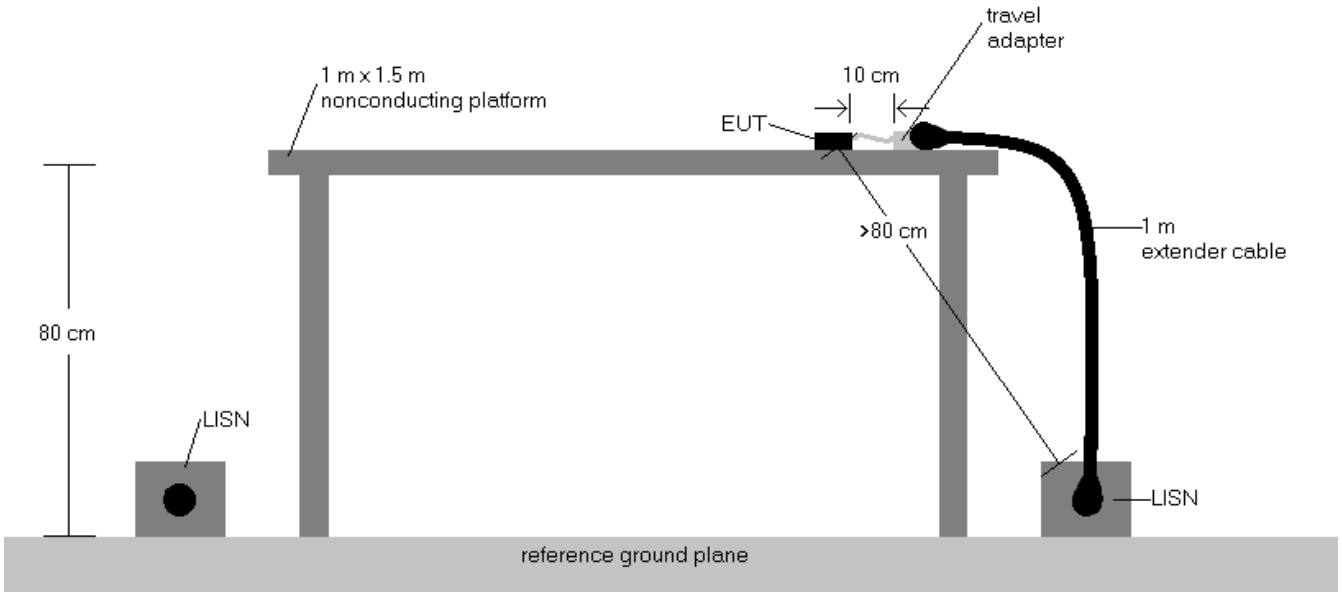
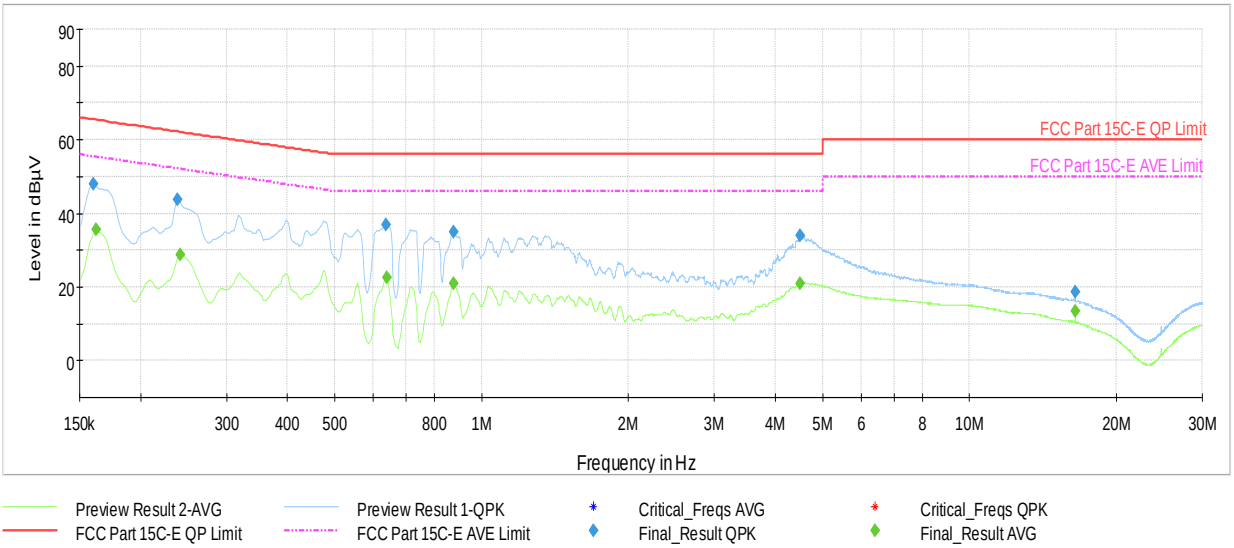


Figure 7-8. Test Instrument & Measurement Setup

Test Notes

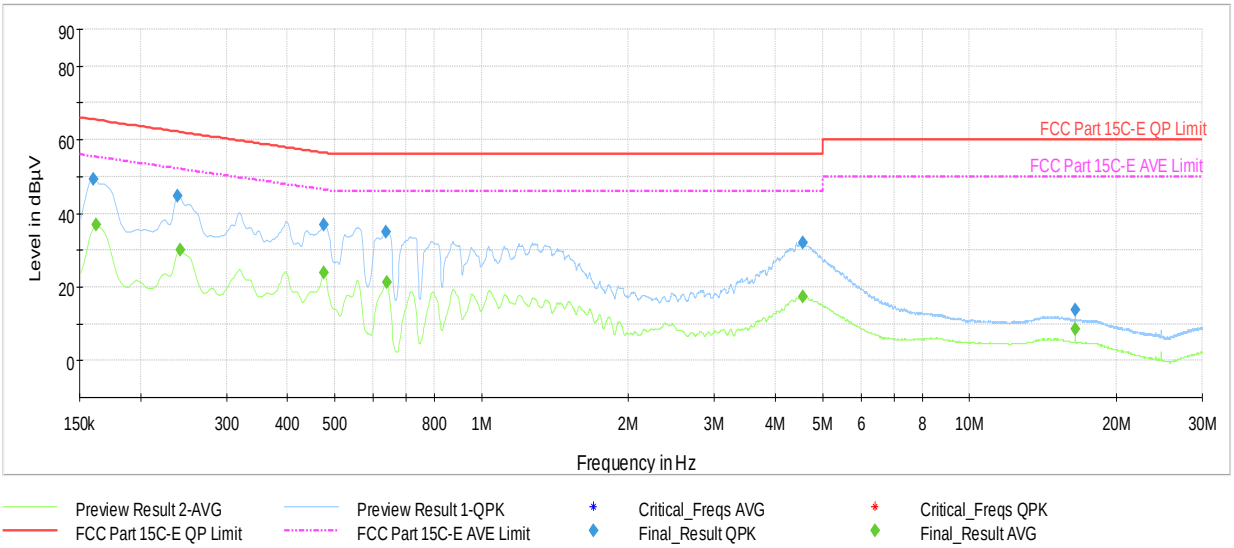
1. All modes of operation were investigated and the worst-case emissions are reported. The emissions found were not affected by the choice of channel used during testing.
2. Both configurations below were investigated, and the worst case has been reported.
    a. EUT powered by AC/DC adaptor via USB-C 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 7-1796. AC Line Conducted Plot with 802.11n CDD Primary – Ch.40 (L1), with AC/DC adapter

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.160	FINAL	48.0	—	65.48	-17.50	L1	GND
0.162	FINAL	—	35.48	55.36	-19.88	L1	GND
0.239	FINAL	43.7	—	62.15	-18.49	L1	GND
0.241	FINAL	—	28.78	52.07	-23.30	L1	GND
0.637	FINAL	36.9	—	56.00	-19.11	L1	GND
0.639	FINAL	—	22.47	46.00	-23.53	L1	GND
0.875	FINAL	34.9	—	56.00	-21.15	L1	GND
0.875	FINAL	—	20.96	46.00	-25.04	L1	GND
4.496	FINAL	33.9	—	56.00	-22.09	L1	GND
4.498	FINAL	—	20.79	46.00	-25.21	L1	GND
16.441	FINAL	—	13.37	50.00	-36.63	L1	GND
16.441	FINAL	18.7	—	60.00	-41.33	L1	GND

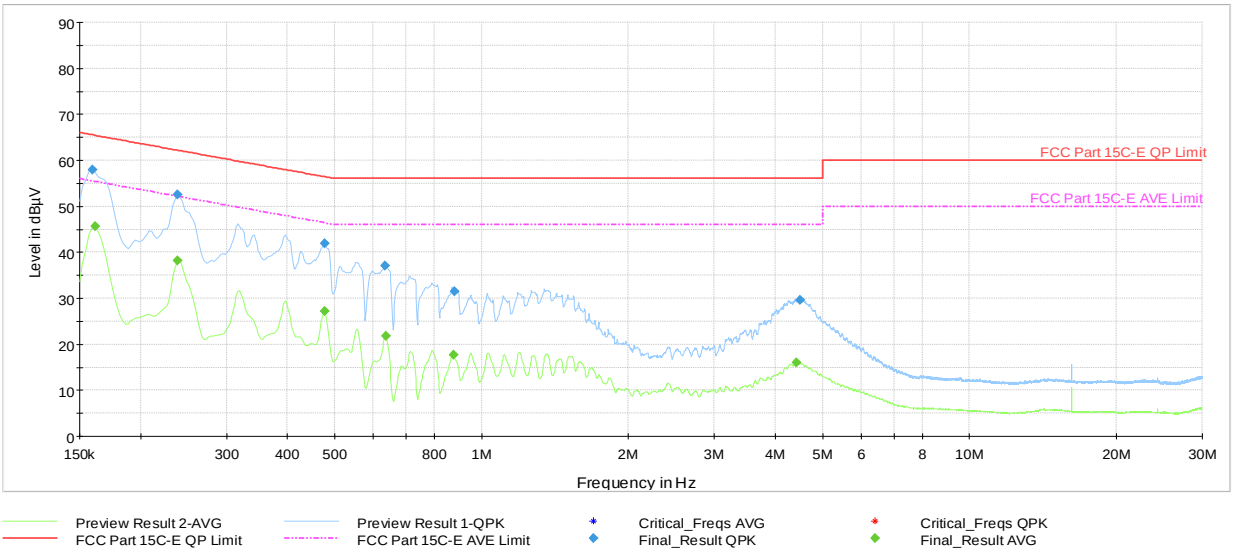
Table 7-335. AC Line Conducted Data with 802.11n CDD Primary – Ch.40 (L1) with AC/DC adapter



Plot 7-1797. AC Line Conducted Plot with 802.11n CDD Primary – Ch.40 (N), with AC/DC adapter

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.160	FINAL	49.4	—	65.48	-16.07	N	GND
0.162	FINAL	—	36.77	55.36	-18.59	N	GND
0.239	FINAL	44.9	—	62.15	-17.29	N	GND
0.241	FINAL	—	29.96	52.07	-22.11	N	GND
0.475	FINAL	—	24.00	46.43	-22.43	N	GND
0.475	FINAL	36.9	—	56.43	-19.57	N	GND
0.637	FINAL	34.8	—	56.00	-21.17	N	GND
0.639	FINAL	—	21.14	46.00	-24.86	N	GND
4.545	FINAL	—	17.26	46.00	-28.74	N	GND
4.561	FINAL	31.9	—	56.00	-24.06	N	GND
16.450	FINAL	13.7	—	60.00	-46.28	N	GND
16.452	FINAL	—	8.57	50.00	-41.43	N	GND

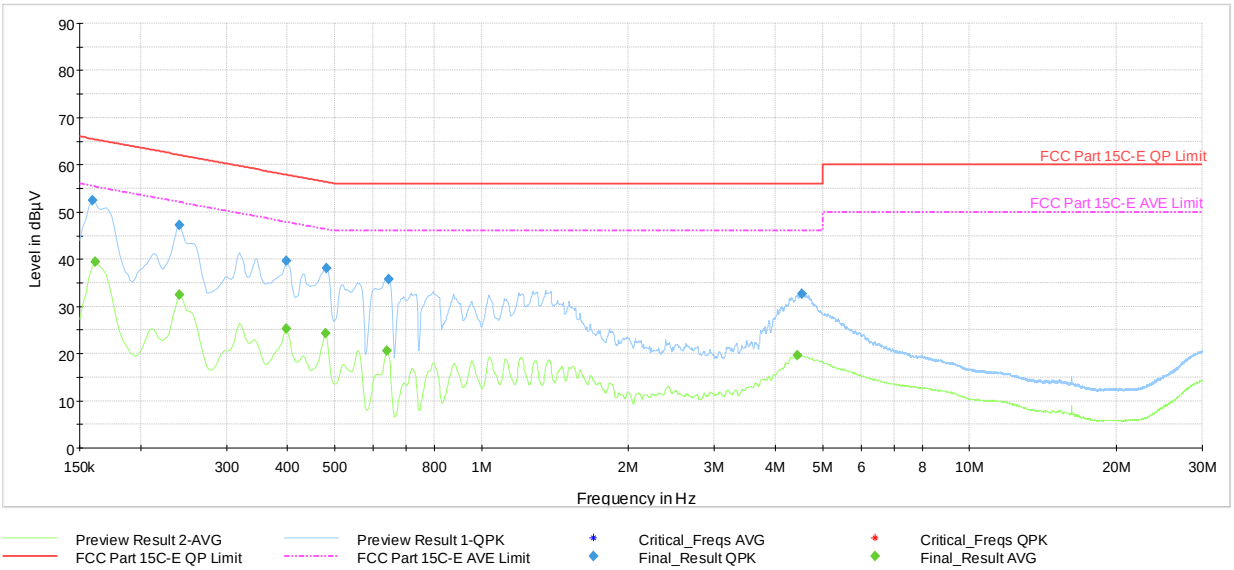
Table 7-336. AC Line Conducted Data with 802.11n CDD Primary – Ch.40 (N), with AC/DC adapter



Plot 7-1798. AC Line Conducted Plot with 802.11ax(SU) CDD Primary – Ch.40 (L1), with AC/DC adapter

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.159	FINAL	57.9	—	65.52	-7.62	L1	GND
0.161	FINAL	—	45.64	55.40	-9.76	L1	GND
0.238	FINAL	52.5	—	62.17	-9.69	L1	GND
0.238	FINAL	—	38.27	52.17	-13.91	L1	GND
0.476	FINAL	41.9	—	56.40	-14.47	L1	GND
0.476	FINAL	—	27.28	46.40	-19.13	L1	GND
0.634	FINAL	37.1	—	56.00	-18.95	L1	GND
0.636	FINAL	—	21.86	46.00	-24.14	L1	GND
0.875	FINAL	—	17.67	46.00	-28.33	L1	GND
0.879	FINAL	31.4	—	56.00	-24.57	L1	GND
4.409	FINAL	—	15.95	46.00	-30.05	L1	GND
4.495	FINAL	29.7	—	56.00	-26.30	L1	GND

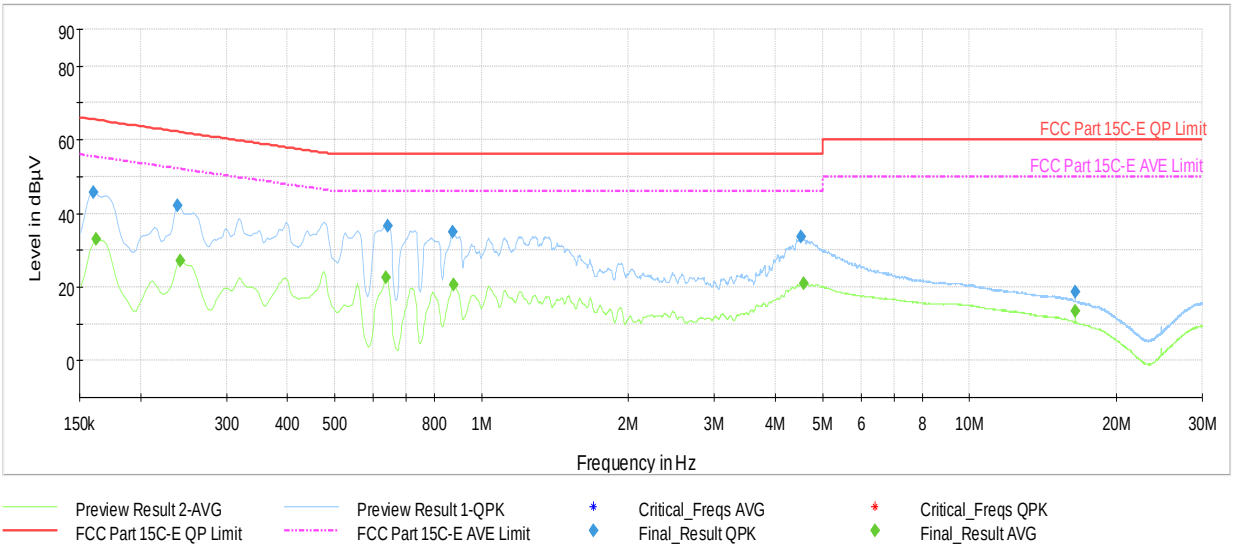
Table 7-337. AC Line Conducted Data with 802.11ax(SU) CDD Primary – Ch.40 (L1) with AC/DC adapter



Plot 7-1799. AC Line Conducted Plot with 802.11ax(SU) CDD Primary – Ch.40 (N), with AC/DC adapter

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.159	FINAL	52.4	—	65.52	-13.12	N	GND
0.161	FINAL	—	39.40	55.40	-16.00	N	GND
0.240	FINAL	47.2	—	62.10	-14.90	N	GND
0.240	FINAL	—	32.38	52.10	-19.71	N	GND
0.398	FINAL	—	25.22	47.91	-22.68	N	GND
0.398	FINAL	39.6	—	57.91	-18.29	N	GND
0.479	FINAL	—	24.28	46.37	-22.08	N	GND
0.481	FINAL	38.1	—	56.33	-18.20	N	GND
0.638	FINAL	—	20.51	46.00	-25.49	N	GND
0.645	FINAL	35.7	—	56.00	-20.30	N	GND
4.430	FINAL	—	19.58	46.00	-26.42	N	GND
4.526	FINAL	32.6	—	56.00	-23.41	N	GND

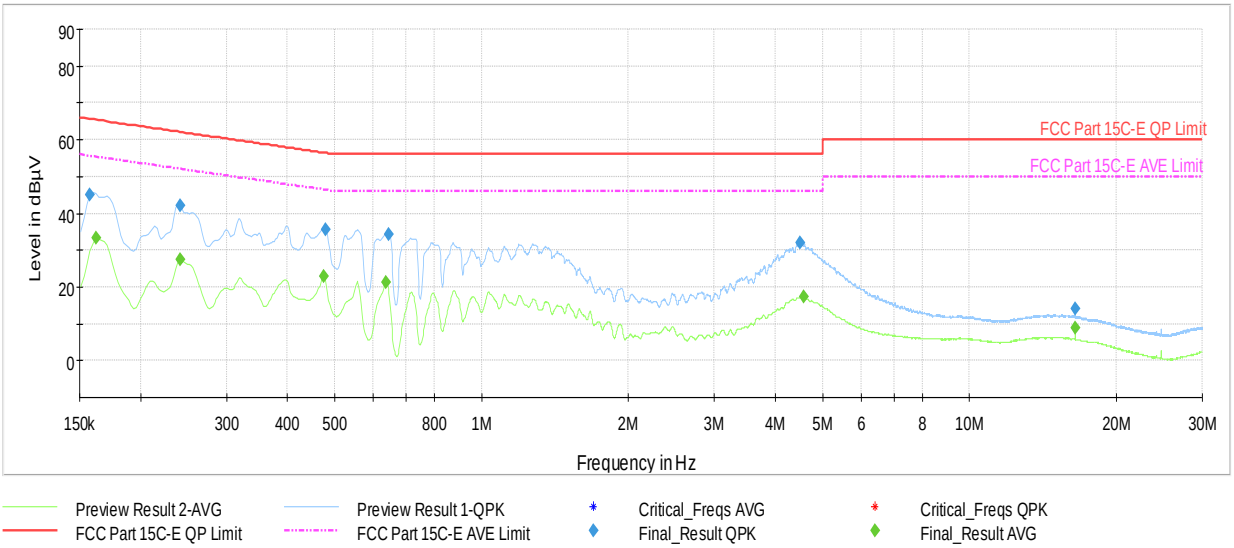
Table 7-338. AC Line Conducted Data with 802.11ax(SU) CDD Primary – Ch.40 (N), with AC/DC adapter



Plot 7-1800. AC Line Conducted Plot with 802.11n CDD Diversity – Ch.40 (L1), with AC/DC adapter

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.160	FINAL	45.8	—	65.48	-19.64	L1	GND
0.162	FINAL	—	32.96	55.36	-22.40	L1	GND
0.239	FINAL	42.2	—	62.15	-19.93	L1	GND
0.241	FINAL	—	26.98	52.07	-25.09	L1	GND
0.637	FINAL	—	22.49	46.00	-23.51	L1	GND
0.641	FINAL	36.6	—	56.00	-19.44	L1	GND
0.873	FINAL	34.8	—	56.00	-21.19	L1	GND
0.875	FINAL	—	20.72	46.00	-25.28	L1	GND
4.509	FINAL	33.5	—	56.00	-22.51	L1	GND
4.572	FINAL	—	20.80	46.00	-25.20	L1	GND
16.448	FINAL	—	13.37	50.00	-36.63	L1	GND
16.448	FINAL	18.6	—	60.00	-41.45	L1	GND

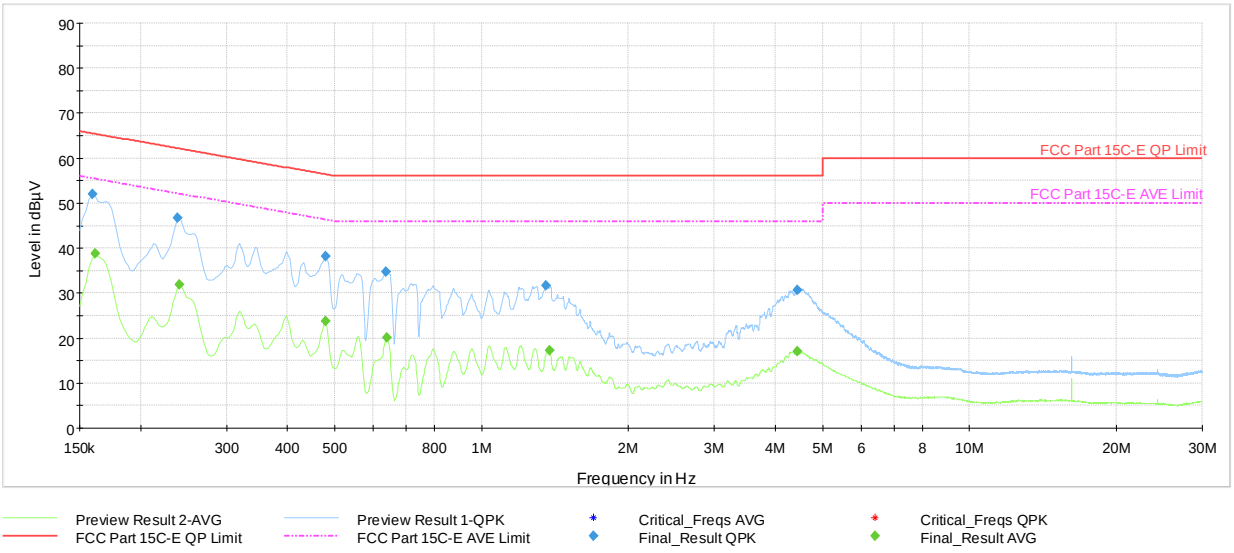
Table 7-339. AC Line Conducted Data with 802.11n CDD Diversity – Ch.40 (L1) with AC/DC adapter



Plot 7-1801. AC Line Conducted Plot with 802.11n CDD Diversity – Ch.40 (N), with AC/DC adapter

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.158	FINAL	45.0	—	65.60	-20.61	N	GND
0.162	FINAL	—	33.19	55.36	-22.17	N	GND
0.241	FINAL	—	27.37	52.07	-24.70	N	GND
0.241	FINAL	42.2	—	62.07	-19.91	N	GND
0.475	FINAL	—	22.88	46.43	-23.55	N	GND
0.479	FINAL	35.5	—	56.35	-20.88	N	GND
0.637	FINAL	—	21.15	46.00	-24.85	N	GND
0.644	FINAL	34.3	—	56.00	-21.70	N	GND
4.489	FINAL	31.9	—	56.00	-24.14	N	GND
4.570	FINAL	—	17.20	46.00	-28.80	N	GND
16.457	FINAL	14.1	—	60.00	-45.89	N	GND
16.459	FINAL	—	8.86	50.00	-41.14	N	GND

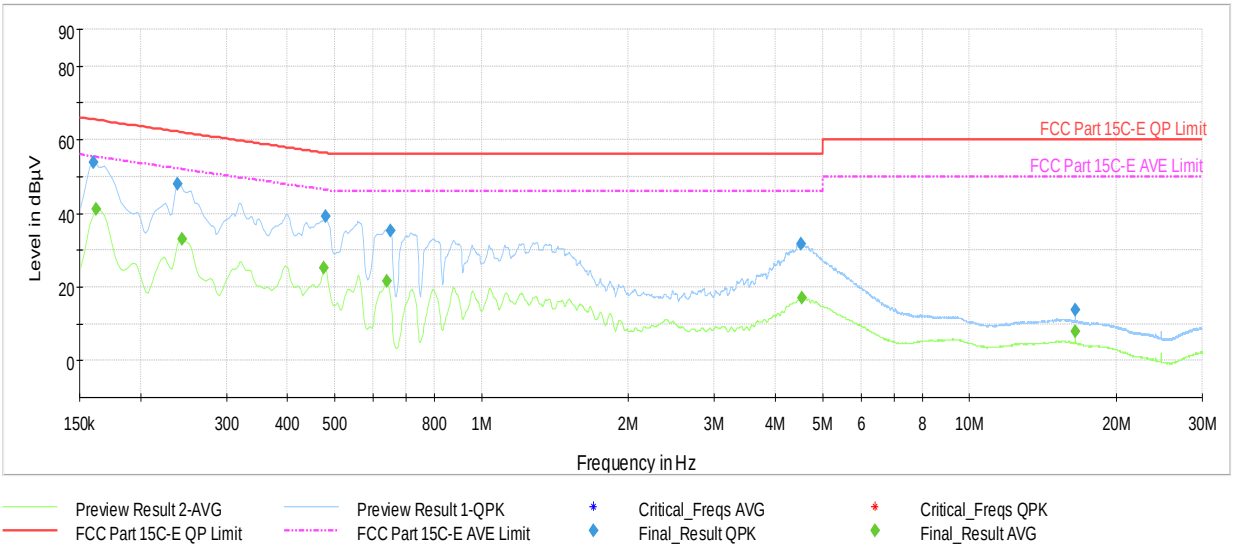
Table 7-340. AC Line Conducted Data with 802.11n CDD Diversity – Ch.40 (N), with AC/DC adapter



Plot 7-1802. AC Line Conducted Plot with 802.11ax(SU) CDD Diversity – Ch.40 (L1), with AC/DC adapter

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.159	FINAL	51.9	—	65.52	-13.57	L1	GND
0.161	FINAL	—	38.74	55.40	-16.66	L1	GND
0.238	FINAL	46.8	—	62.17	-15.43	L1	GND
0.240	FINAL	—	32.00	52.10	-20.10	L1	GND
0.479	FINAL	38.1	—	56.37	-18.27	L1	GND
0.479	FINAL	—	23.85	46.37	-22.52	L1	GND
0.636	FINAL	34.6	—	56.00	-21.36	L1	GND
0.638	FINAL	—	20.02	46.00	-25.98	L1	GND
1.352	FINAL	31.7	—	56.00	-24.35	L1	GND
1.376	FINAL	—	17.23	46.00	-28.77	L1	GND
4.427	FINAL	—	17.13	46.00	-28.87	L1	GND
4.430	FINAL	30.7	—	56.00	-25.29	L1	GND

Table 7-341. AC Line Conducted Data with 802.11ax(SU) CDD Diversity – Ch.40 (L1) with AC/DC adapter



Plot 7-1803. AC Line Conducted Plot with 802.11ax(SU) CDD Diversity – Ch.40 (N), with AC/DC adapter

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.160	FINAL	53.9	—	65.48	-11.54	N	GND
0.162	FINAL	—	41.05	55.36	-14.31	N	GND
0.239	FINAL	48.1	—	62.15	-14.09	N	GND
0.243	FINAL	—	33.10	51.99	-18.89	N	GND
0.475	FINAL	—	25.06	46.43	-21.37	N	GND
0.479	FINAL	39.1	—	56.35	-17.21	N	GND
0.639	FINAL	—	21.57	46.00	-24.43	N	GND
0.650	FINAL	35.2	—	56.00	-20.76	N	GND
4.523	FINAL	31.6	—	56.00	-24.44	N	GND
4.525	FINAL	—	16.97	46.00	-29.03	N	GND
16.454	FINAL	13.6	—	60.00	-46.36	N	GND
16.457	FINAL	—	8.01	50.00	-41.99	N	GND

Table 7-342. AC Line Conducted Data with 802.11ax(SU) CDD Diversity – Ch.40 (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: BCGA2589** and **IC: 579C-A2589** 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.