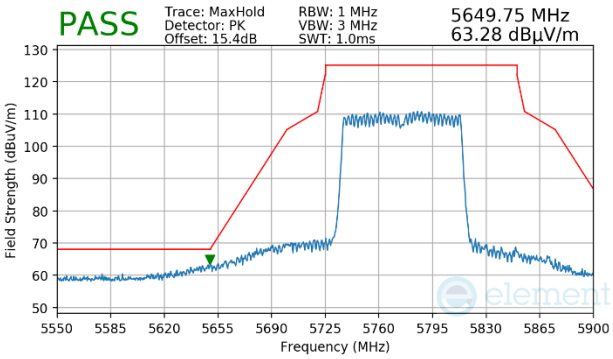
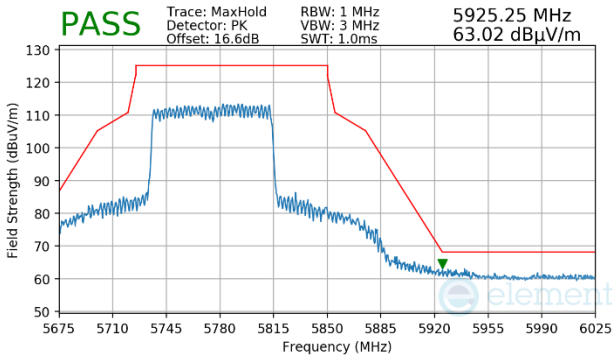
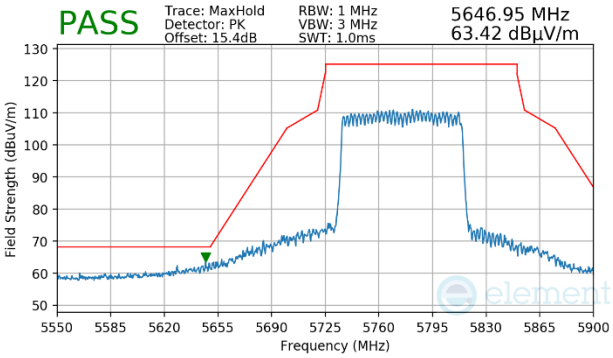


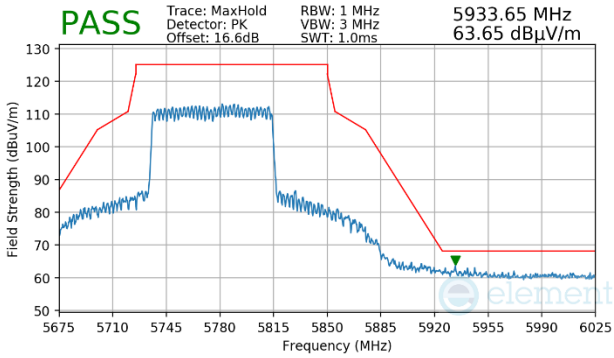
Plot 7-1982. CDD Diversity (Peak, Ch.155, 802.11ax(SU), MCS2)



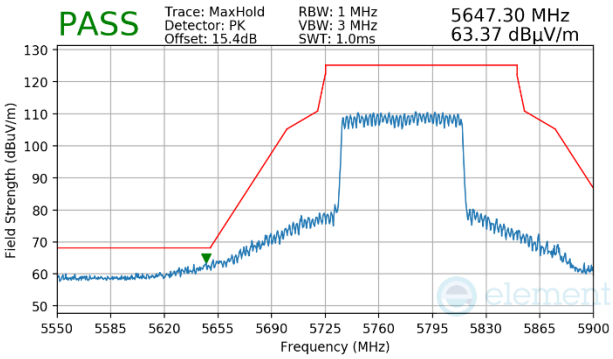
Plot 7-1985. CDD Diversity (Peak, Ch.155, 802.11ax(SU), MCS2)



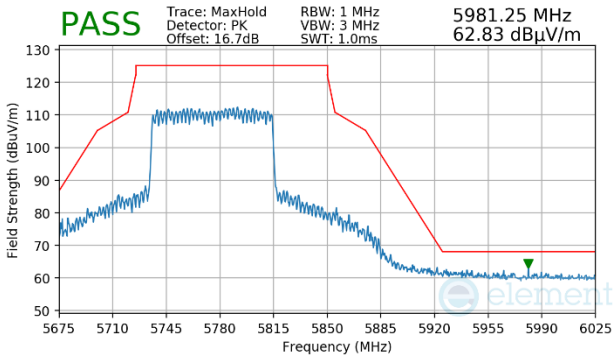
Plot 7-1983. CDD Diversity (Peak, Ch.155, 802.11ax(SU), MCS4)



Plot 7-1986. CDD Diversity (Peak, Ch.155, 802.11ax(SU), MCS4)



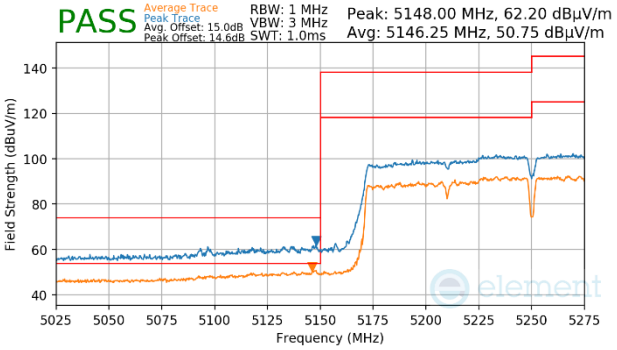
Plot 7-1984. CDD Diversity (Peak, Ch.155, 802.11ax(SU), MCS11)



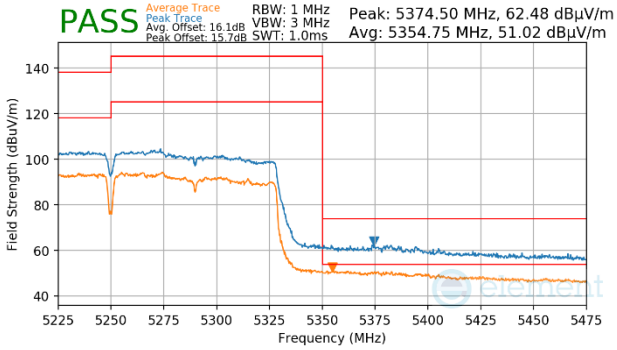
Plot 7-1987. CDD Diversity (Peak, Ch.155, 802.11ax(SU), MCS11)

7.6.26 CDD Diversity Radiated Band Edge Measurements (160MHz BW)

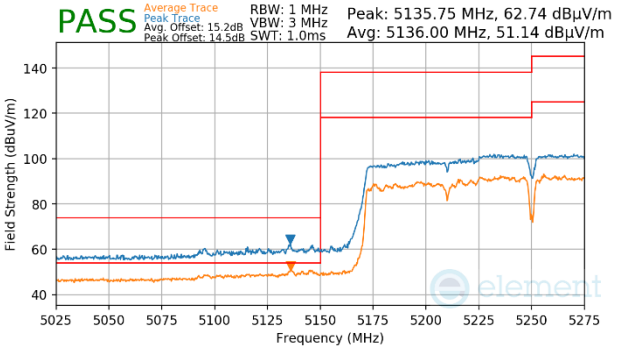
§15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]



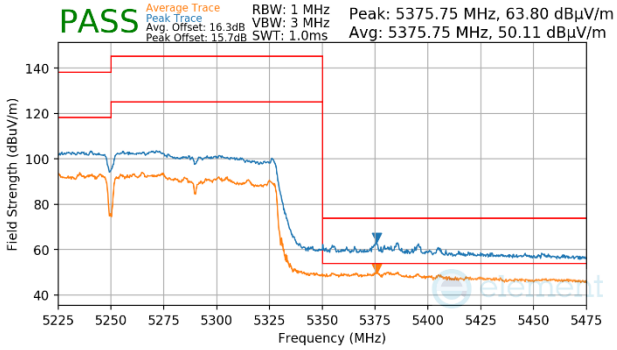
Plot 7-1988. CDD Diversity (Peak & Average, Ch.50, 802.11ac, MCS2)



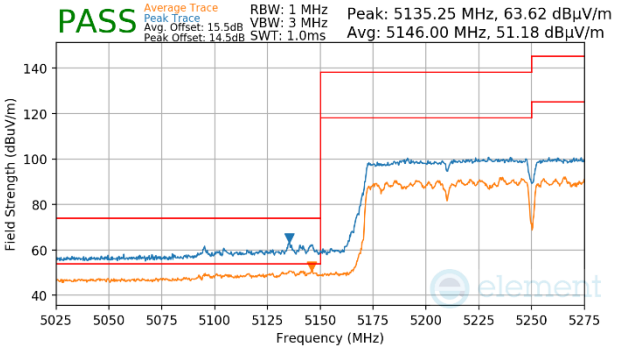
Plot 7-1991. CDD Diversity (Peak & Average, Ch.50, 802.11ac, MCS2)



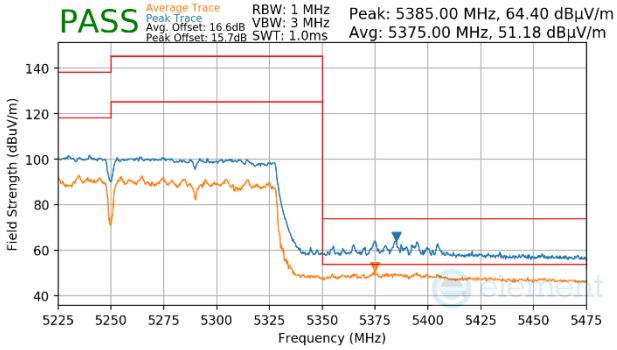
Plot 7-1989. CDD Diversity (Peak & Average, Ch.50, 802.11ac, MCS4)



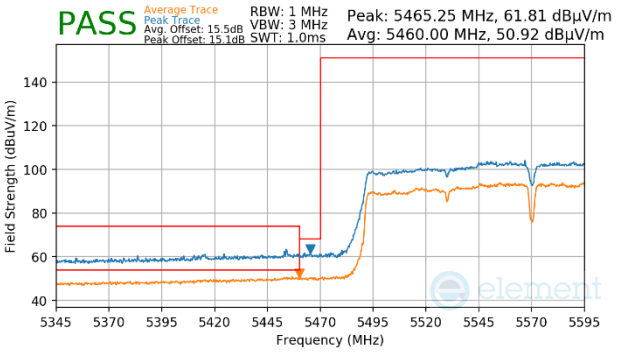
Plot 7-1992. CDD Diversity (Peak & Average, Ch.50, 802.11ac, MCS4)



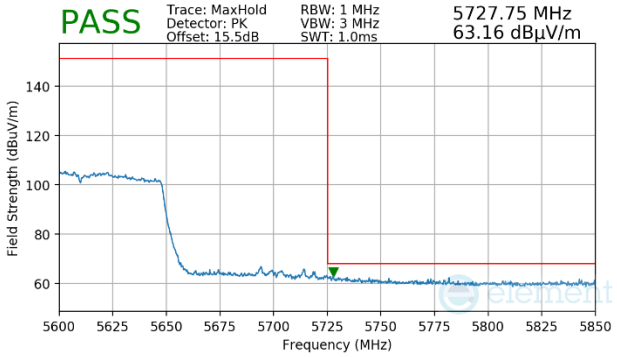
Plot 7-1990. CDD Diversity (Peak & Average, Ch.50, 802.11ac, MCS9)



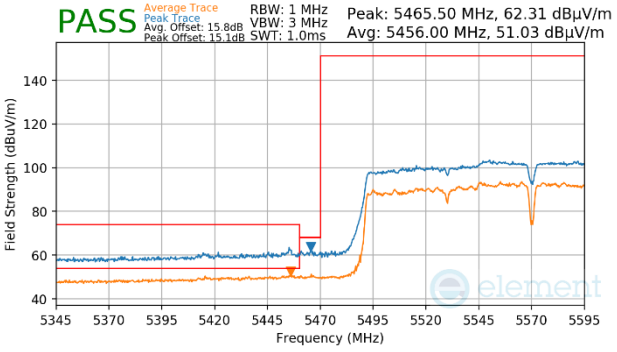
Plot 7-1993. CDD Diversity (Peak & Average, Ch.50, 802.11ac, MCS9)



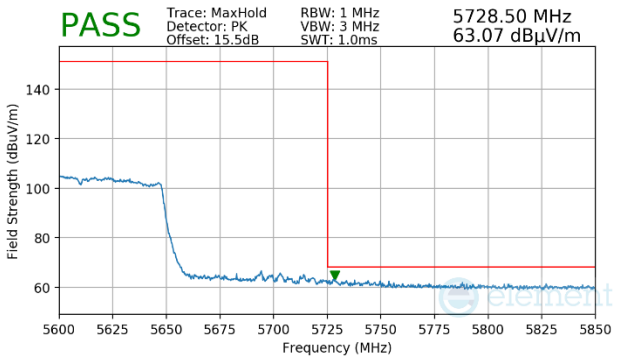
Plot 7-1994. (FCC Only) CDD Diversity (Peak & Average, Ch.114, 802.11ac, MCS2)



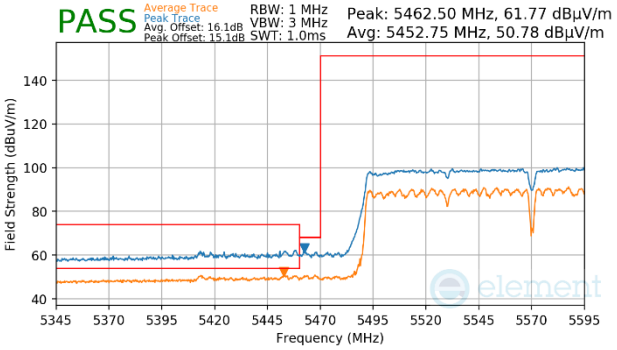
Plot 7-1997. (FCC Only) CDD Diversity (Peak, Ch.114, 802.11ac, MCS2)



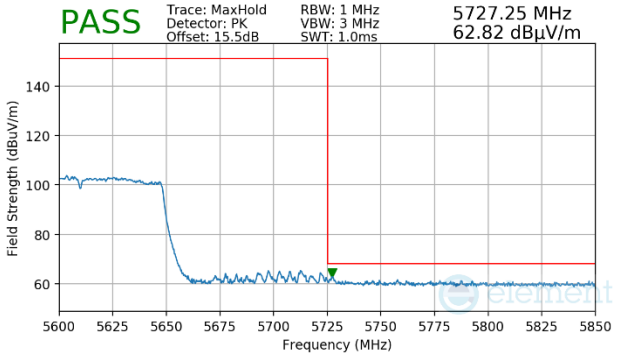
Plot 7-1995. (FCC Only) CDD Diversity (Peak & Average, Ch.114, 802.11ac, MCS4)



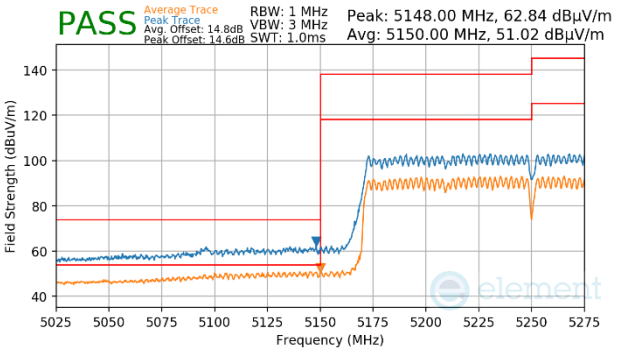
Plot 7-1998. (FCC Only) CDD Diversity (Peak, Ch.114, 802.11ac, MCS4)



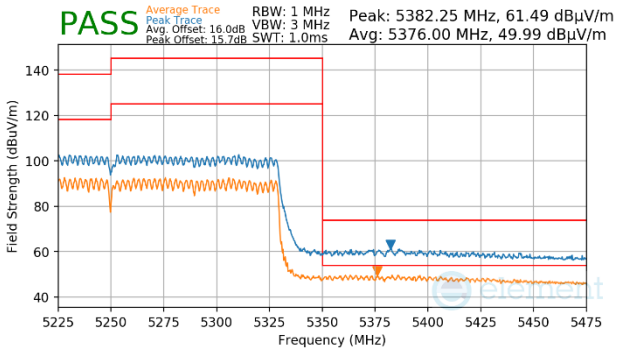
Plot 7-1996. (FCC Only) CDD Diversity (Peak & Average, Ch.114, 802.11ac, MCS9)



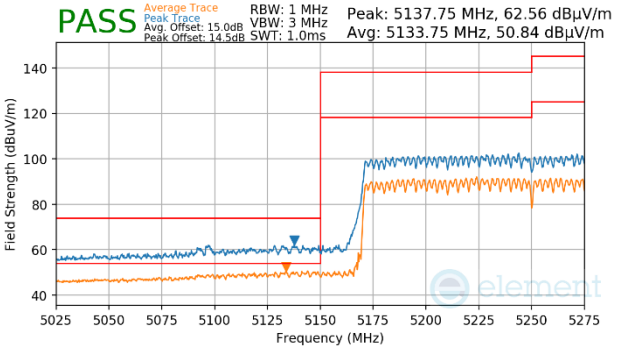
Plot 7-1999. (FCC Only) CDD Diversity (Peak, Ch.114, 802.11ac, MCS9)



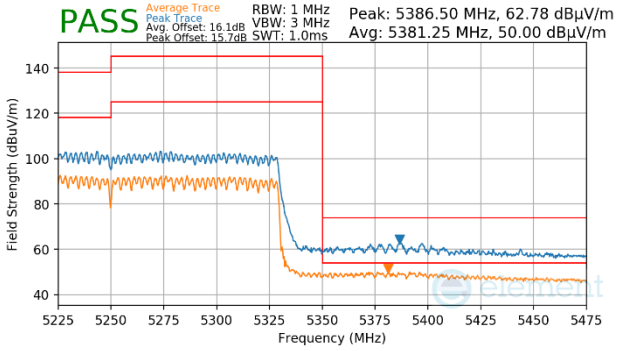
Plot 7-2000. CDD Diversity (Peak & Average, Ch.50, 802.11ax(SU), MCS2)



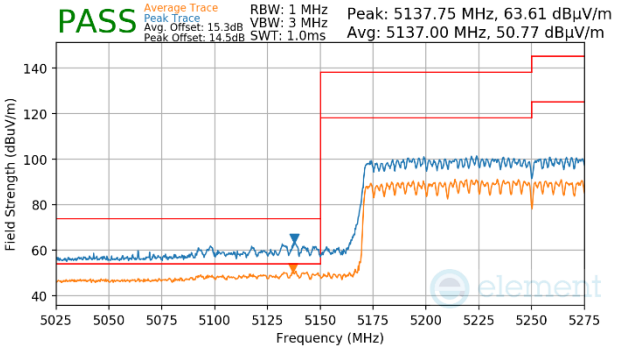
Plot 7-2003. CDD Diversity (Peak & Average, Ch.50, 802.11ax(SU), MCS2)



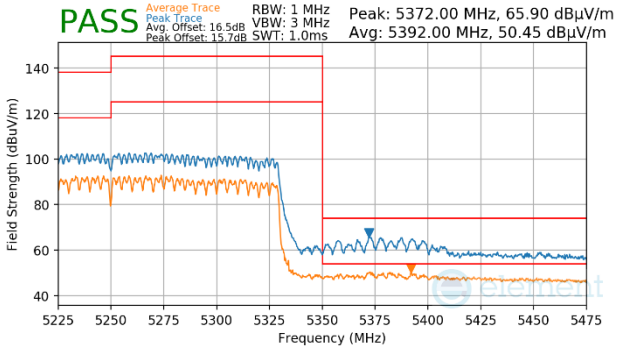
Plot 7-2001. CDD Diversity (Peak & Average, Ch.50, 802.11ax(SU), MCS4



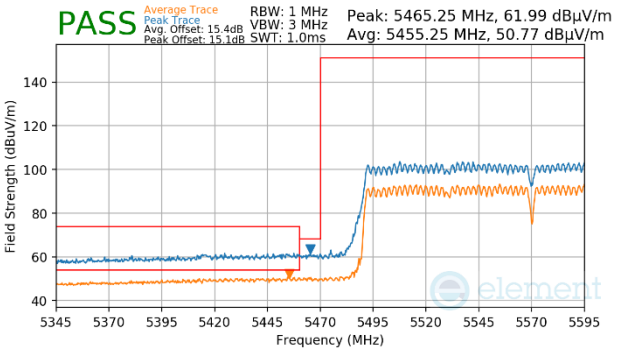
Plot 7-2004. CDD Diversity (Peak & Average, Ch.50, 802.11ax(SU), MCS4



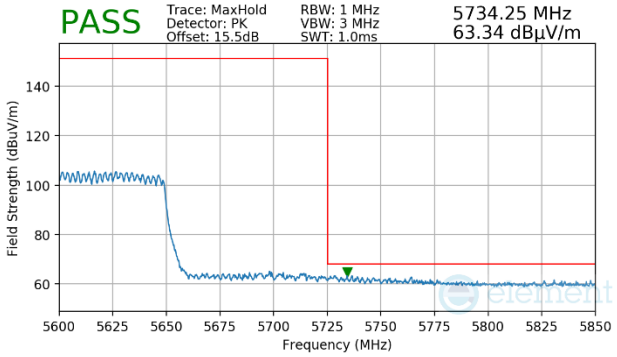
Plot 7-2002. CDD Diversity (Peak & Average, Ch.50, 802.11ax(SU), MCS11



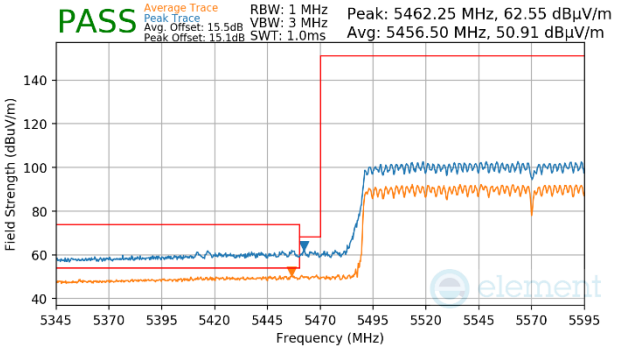
Plot 7-2005. CDD Diversity (Peak & Average, Ch.50, 802.11ax(SU), MCS11



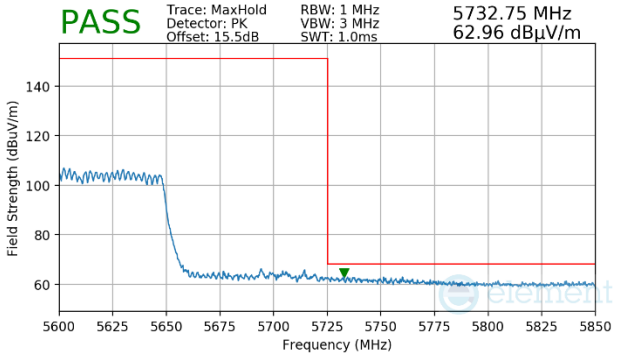
Plot 7-2006. (FCC Only) CDD Diversity (Peak & Average, Ch.114, 802.11ax(SU), MCS2



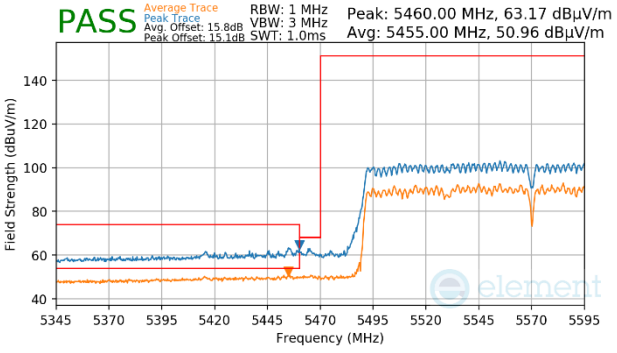
Plot 7-2009. (FCC Only) CDD Diversity (Peak, Ch.114, 802.11ax(SU), MCS2



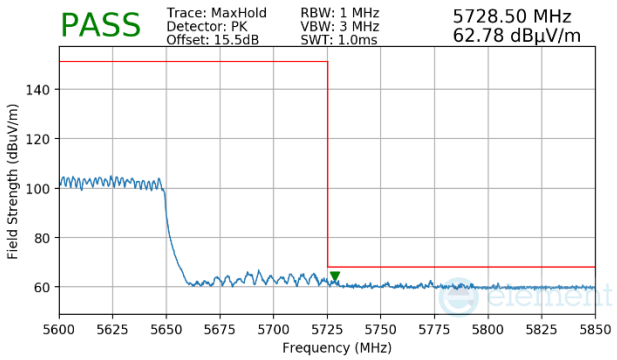
Plot 7-2007. (FCC Only) CDD Diversity (Peak & Average, Ch.114, 802.11ax(SU), MCS4



Plot 7-2010. (FCC Only) CDD Diversity (Peak, Ch.114, 802.11ax(SU), MCS4



Plot 7-2008. (FCC Only) CDD Diversity (Peak & Average, Ch.114, 802.11ax(SU), MCS11



Plot 7-2011. (FCC Only) CDD Diversity (Peak, Ch.114, 802.11ax(SU), MCS11

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 7-369 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 7-369. 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

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

Test Setup

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

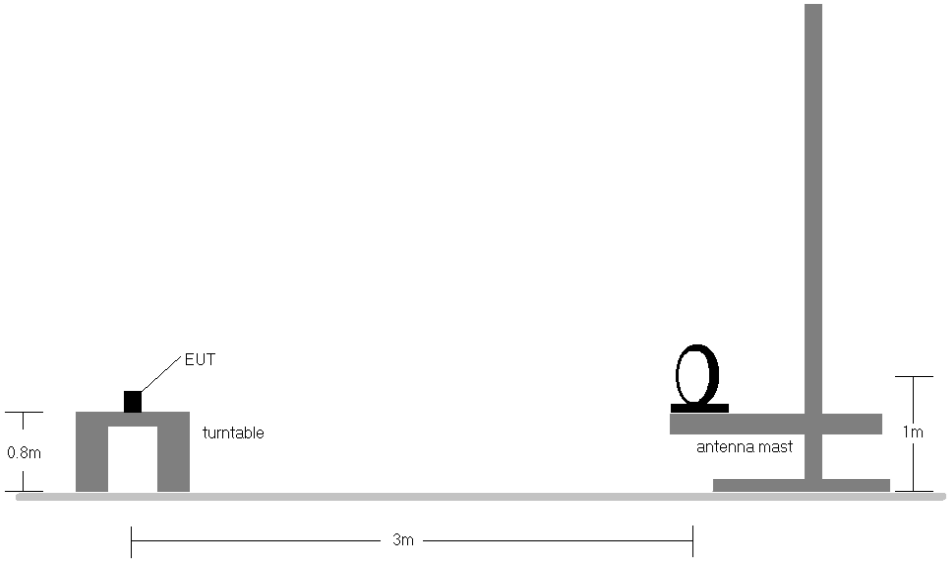


Figure 7-6. Radiated Test Setup < 30MHz

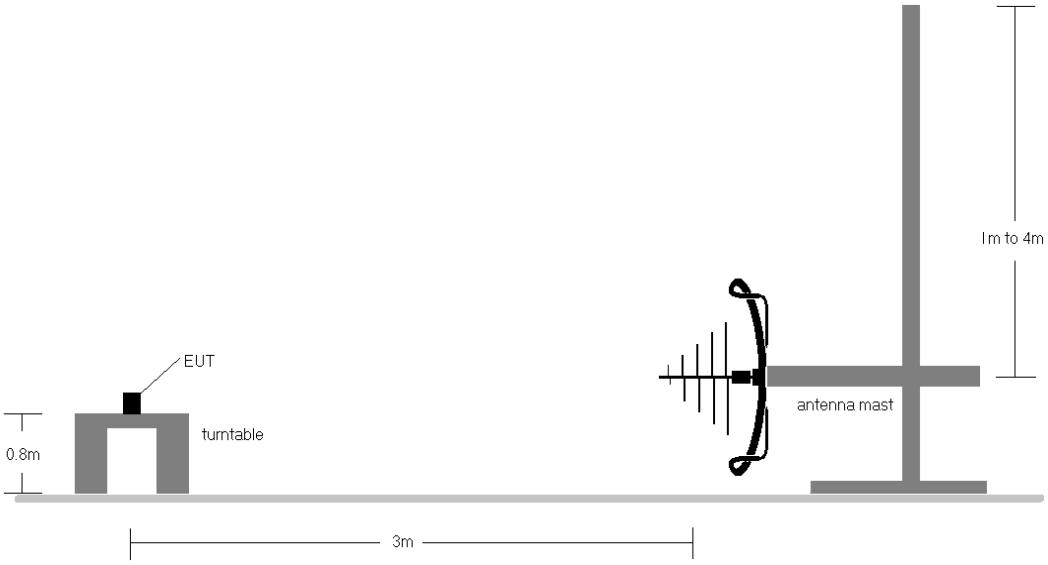


Figure 7-7. Radiated Test Setup < 1GHz

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 7-369.
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.

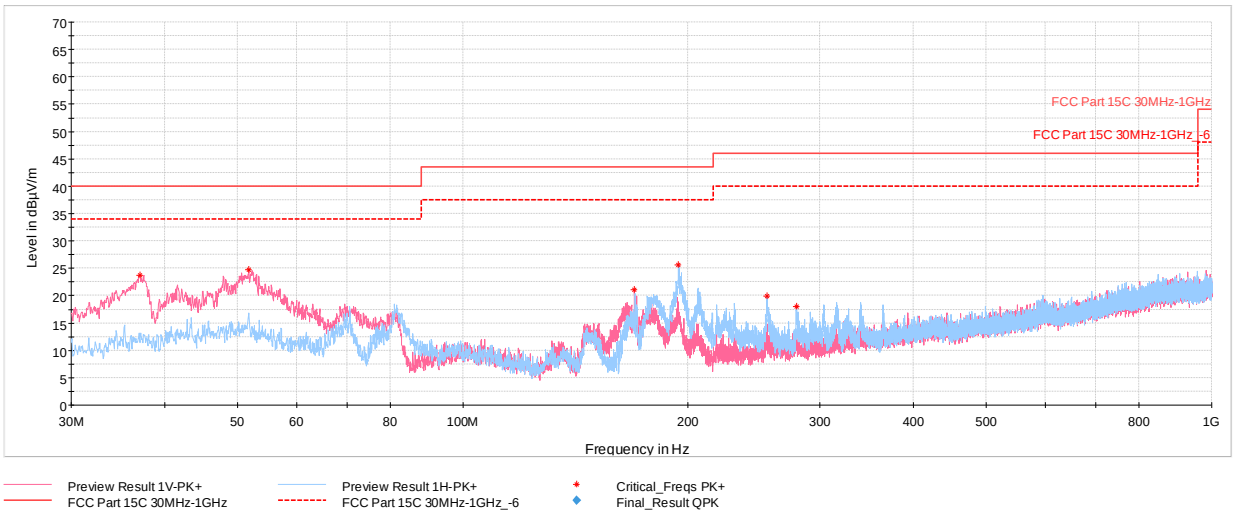
Sample Calculations

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 Primary/Diversity Radiated Spurious Emissions Measurements (Below 1GHz)

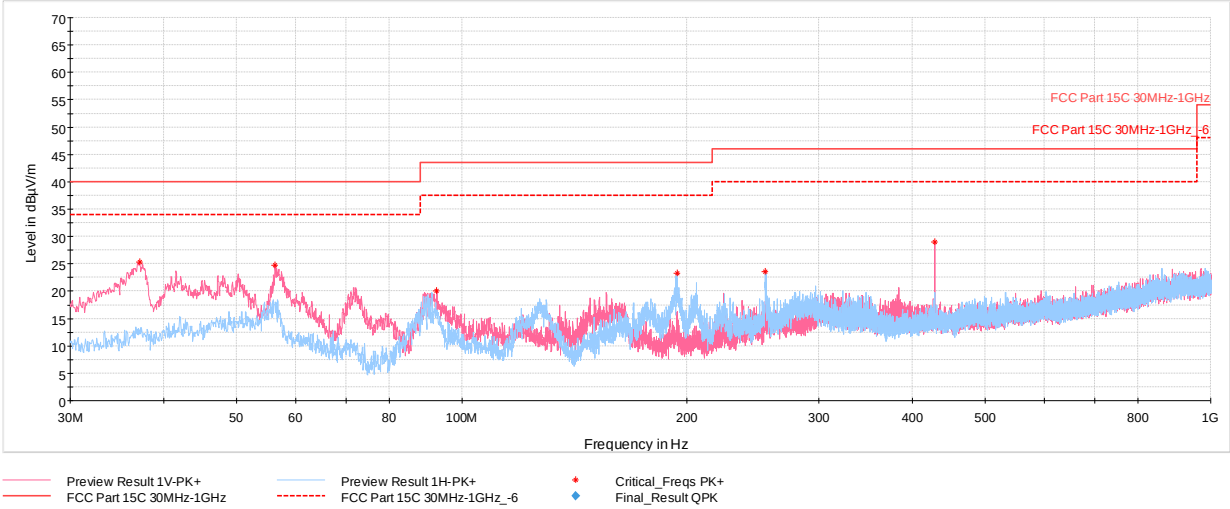
§15.209; RSS-Gen [8.9]



Plot 7-2012. Radiated Spurious Emissions below 1GHz, CDD Primary 802.11n, Ch.36 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]
37.03	Max-Peak	V	100	6	-67.99	-15.22	23.79	40.00	-16.21
51.78	Max-Peak	V	100	332	-69.11	-13.13	24.76	40.00	-15.24
169.53	Max-Peak	V	100	300	-66.73	-19.19	21.08	43.52	-22.44
194.12	Max-Peak	H	100	173	-64.43	-16.91	25.66	43.52	-17.86
254.85	Max-Peak	H	100	143	-71.95	-15.13	19.92	46.02	-26.10
279.29	Max-Peak	H	100	143	-73.92	-15.07	18.01	46.02	-28.01

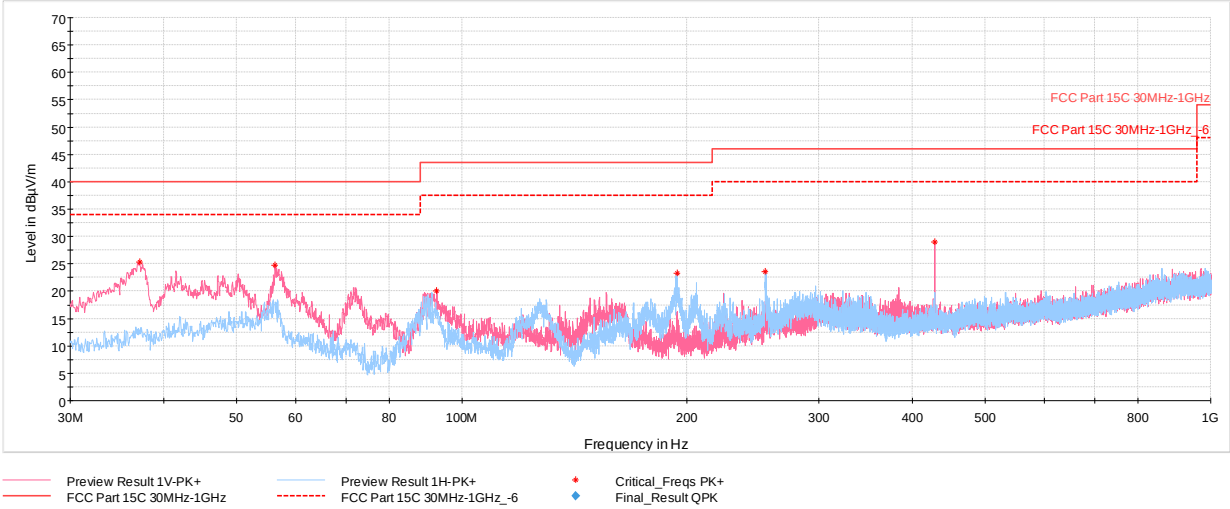
Table 7-370. Radiated Spurious Emissions below 1GHz, CDD Primary 802.11n, Ch.36 with AC/DC Adapter



Plot 7-2013. Radiated Spurious Emissions below 1GHz 802.11ax (SU), CDD Primary Ch.36 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]
36.84	Max-Peak	V	100	14	-66.42	-15.28	25.30	40.00	-14.70
51.05	Max-Peak	V	100	275	-67.28	-13.13	26.59	40.00	-13.41
146.84	Max-Peak	H	100	221	-67.03	-20.41	19.56	43.52	-23.96
195.63	Max-Peak	H	100	202	-63.16	-16.60	27.24	43.52	-16.28
232.29	Max-Peak	H	100	43	-69.70	-16.09	21.21	46.02	-24.81
317.99	Max-Peak	H	100	12	-69.63	-13.89	23.48	46.02	-22.54

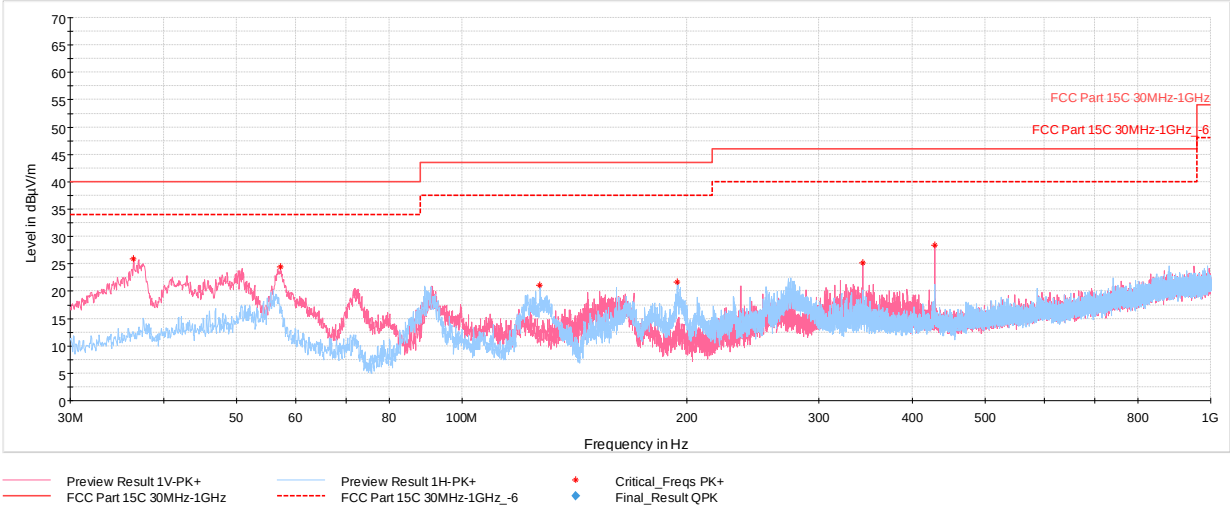
Table 7-371. Radiated Spurious Emissions below 1GHz, 802.11ax (SU), CDD Primary Ch.36 with AC/DC Adapter



Plot 7-2014. Radiated Spurious Emissions below 1GHz, 802.11n, CDD Diversity Ch.36 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]
37.13	Max-Peak	V	100	13	-66.40	-15.20	25.40	40.00	-14.60
56.29	Max-Peak	V	100	110	-67.90	-14.41	24.69	40.00	-15.31
92.61	Max-Peak	V	100	174	-69.19	-17.70	20.11	43.52	-23.41
193.74	Max-Peak	H	100	168	-66.79	-17.00	23.21	43.52	-20.31
254.31	Max-Peak	H	100	175	-68.28	-15.16	23.56	46.02	-22.46
427.89	Max-Peak	V	100	185	-66.90	-11.08	29.02	46.02	-17.00

Table 7-372. Radiated Spurious Emissions below 1GHz, 802.11n, CDD Diversity Ch.36 with AC/DC Adapter



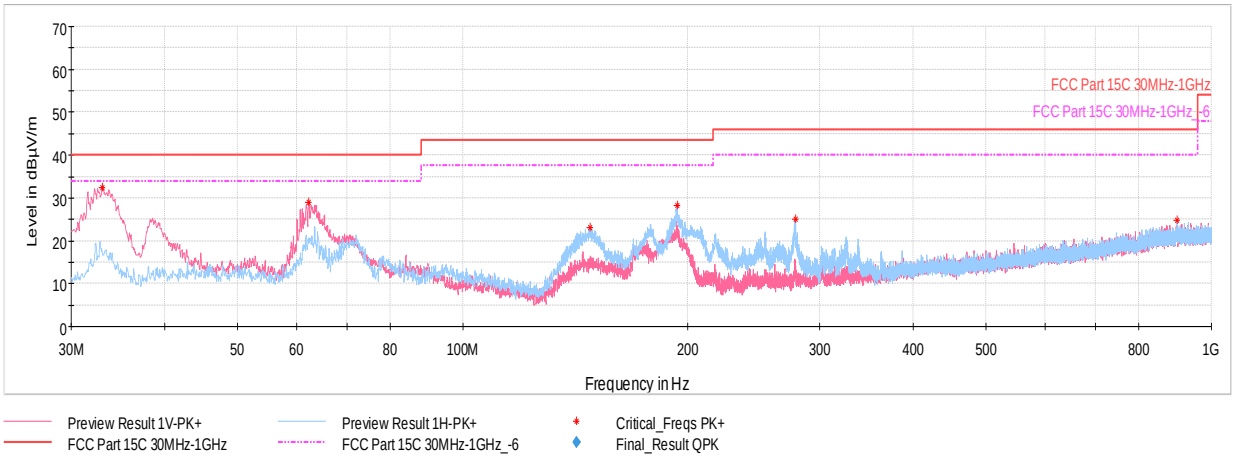
Plot 7-2015. Radiated Spurious Emissions below 1GHz 802.11ax (SU), CDD Diversity Ch.36 with AC/DC Adapter

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]
36.45	Max-Peak	V	100	36	-65.75	-15.37	25.88	40.00	-14.12
57.21	Max-Peak	V	100	176	-67.93	-14.65	24.42	40.00	-15.58
127.19	Max-Peak	H	300	0	-66.48	-19.44	21.08	43.52	-22.44
193.83	Max-Peak	H	100	179	-68.41	-16.98	21.61	43.52	-21.91
343.12	Max-Peak	V	200	1	-69.09	-12.73	25.18	46.02	-20.84
427.85	Max-Peak	V	100	169	-67.45	-11.08	28.47	46.02	-17.55

Table 7-373. Radiated Spurious Emissions below 1GHz, CDD Diversity 802.11ax (SU), Ch.36 with AC/DC Adapter

Simultaneous Tx Radiated Spurious Emissions Measurements

§15.209; RSS-Gen [8.9]



Plot 7-2016. Worst Case Simultaneous Transmission Configuration

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]
33.06	Max-Peak	V	100	282	-58.69	-15.93	32.38	40.00	-7.62
62.30	Max-Peak	V	100	20	-62.16	-15.87	28.97	40.00	-11.03
148.05	Max-Peak	H	200	197	-63.65	-20.33	23.02	43.52	-20.50
193.35	Max-Peak	H	100	238	-61.64	-17.08	28.28	43.52	-15.24
278.27	Max-Peak	H	100	270	-67.02	-15.03	24.95	46.02	-21.07
899.94	Max-Peak	H	100	45	-79.64	-2.47	24.89	46.02	-21.13

Table 7-374. Radiated Spurious Emissions – Simultaneous Transmission 30MHz – 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 7-375. 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.

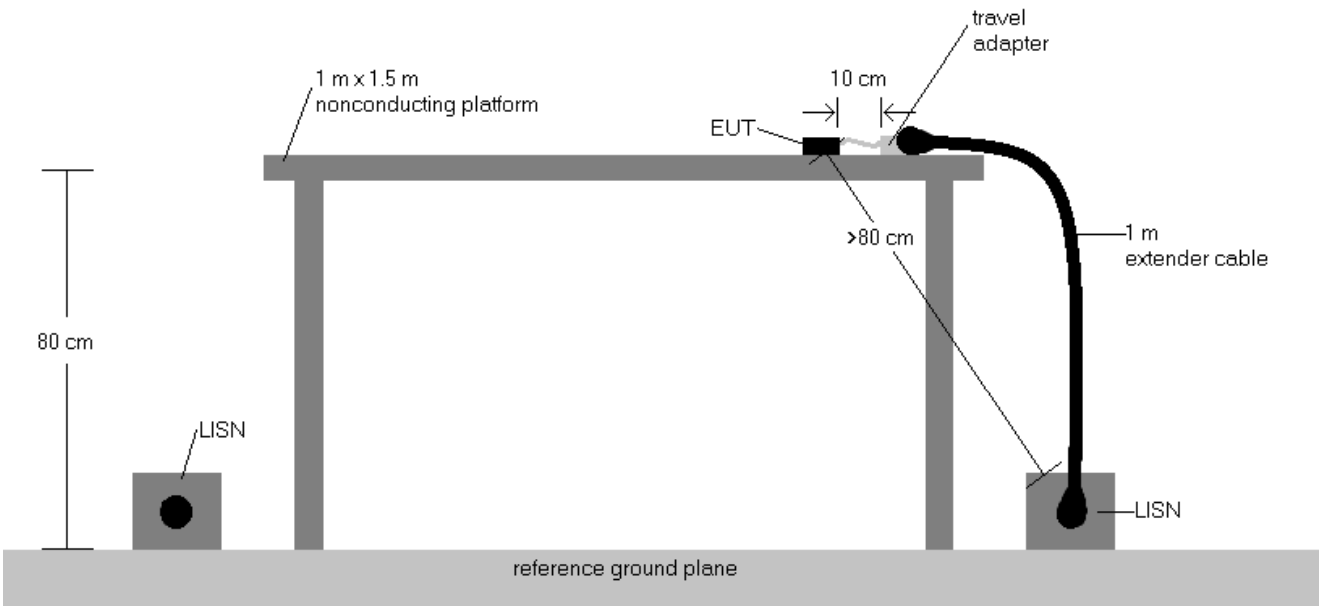
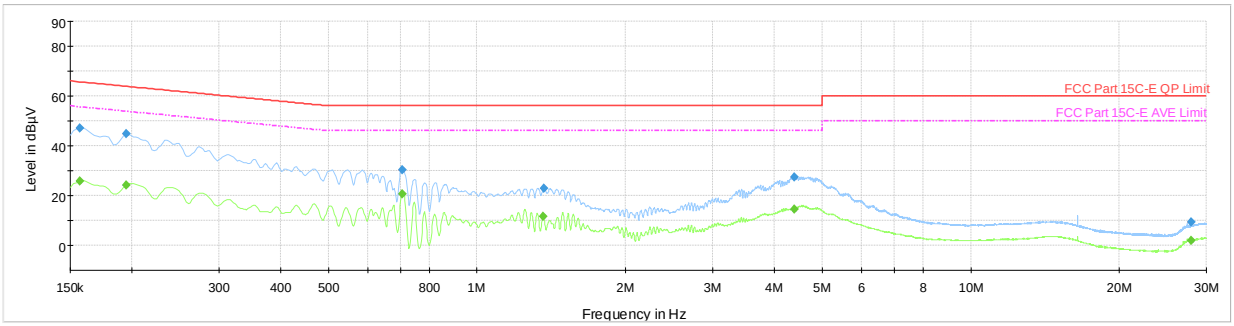


Figure 7-8. Test Instrument & Measurement Setup

Test Notes

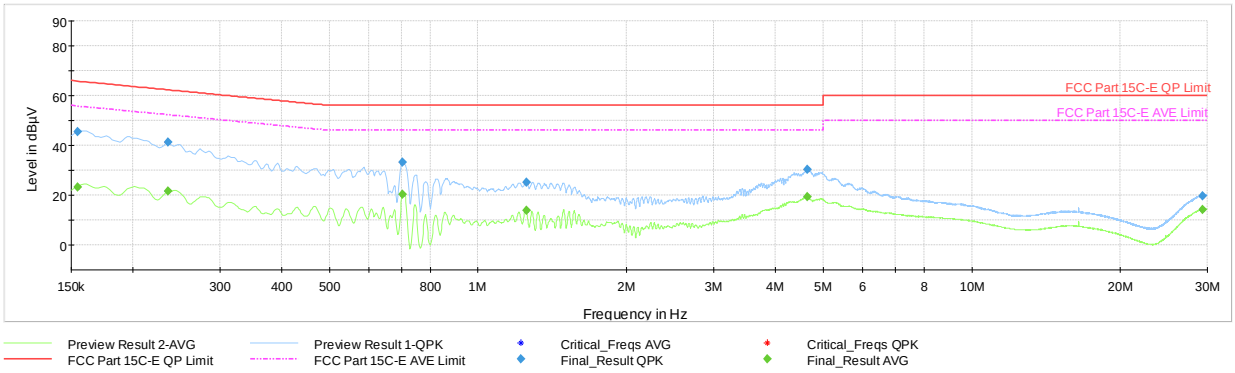
1. All modes of operation were investigated and the worst-case emissions are reported. The emissions found were not affected by the choice of channel used during testing.
2. Both configurations below were investigated, and the worst case has been reported.
    a. EUT powered by AC/DC adaptor via USB-C 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 7-2017. AC Line Conducted Plot with 802.11n CDD Primary – Ch.36 (L1), with AC/DC adapter

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.157	FINAL	—	25.74	55.63	-29.89	L1	GND
0.157	FINAL	47.1	—	65.63	-18.50	L1	GND
0.195	FINAL	—	24.27	53.82	-29.55	L1	GND
0.195	FINAL	44.8	—	63.82	-19.04	L1	GND
0.706	FINAL	—	20.59	46.00	-25.41	L1	GND
0.706	FINAL	30.3	—	56.00	-25.73	L1	GND
1.363	FINAL	—	11.67	46.00	-34.33	L1	GND
1.365	FINAL	22.9	—	56.00	-33.08	L1	GND
4.398	FINAL	27.3	—	56.00	-28.67	L1	GND
4.398	FINAL	—	14.61	46.00	-31.39	L1	GND
27.940	FINAL	—	1.98	50.00	-48.02	L1	GND
27.940	FINAL	9.5	—	60.00	-50.55	L1	GND

Table 7-376. AC Line Conducted Data with 802.11n CDD Primary – Ch.36 (L1) with AC/DC adapter

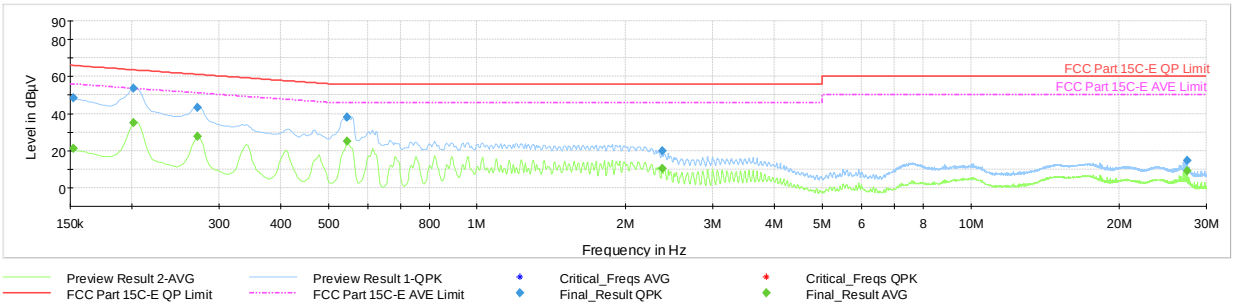


Plot 7-2018. AC Line Conducted Plot with 802.11n CDD Primary – Ch.36 (N), with AC/DC adapter

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.155	FINAL	—	23.28	55.75	-32.47	N	GND
0.155	FINAL	45.4	—	65.75	-20.39	N	GND
0.236	FINAL	—	21.46	52.25	-30.79	N	GND
0.236	FINAL	41.2	—	62.25	-21.03	N	GND
0.704	FINAL	—	20.43	46.00	-25.57	N	GND
0.704	FINAL	33.3	—	56.00	-22.66	N	GND
1.253	FINAL	25.2	—	56.00	-30.82	N	GND
1.253	FINAL	—	13.87	46.00	-32.13	N	GND
4.650	FINAL	30.3	—	56.00	-25.66	N	GND
4.650	FINAL	—	19.37	46.00	-26.63	N	GND
29.299	FINAL	—	14.31	50.00	-35.69	N	GND
29.299	FINAL	19.8	—	60.00	-40.17	N	GND

y

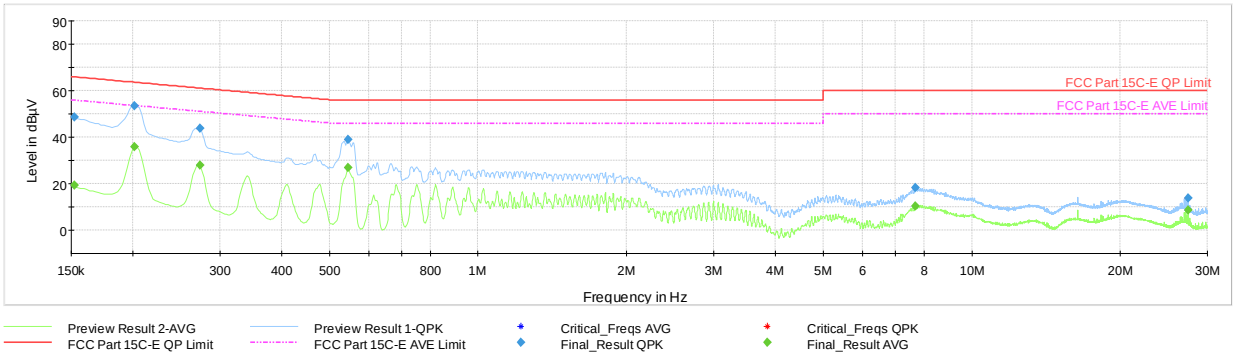
Table 7-377. AC Line Conducted Data with 802.11n CDD Primary – Ch.36 (N), with AC/DC adapter



Plot 7-2019. AC Line Conducted Plot with 802.11ax(SU) CDD Primary – Ch.36 (L1), with AC/DC adapter

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.152	FINAL	—	21.01	55.88	-34.86	L1	GND
0.152	FINAL	48.5	—	65.88	-17.33	L1	GND
0.202	FINAL	—	35.17	53.54	-18.37	L1	GND
0.202	FINAL	53.6	—	63.54	-9.96	L1	GND
0.272	FINAL	—	27.83	51.07	-23.24	L1	GND
0.272	FINAL	43.4	—	61.07	-17.71	L1	GND
0.546	FINAL	38.2	—	56.00	-17.85	L1	GND
0.546	FINAL	—	24.91	46.00	-21.09	L1	GND
2.373	FINAL	19.8	—	56.00	-36.21	L1	GND
2.373	FINAL	—	10.20	46.00	-35.80	L1	GND
27.384	FINAL	—	9.02	50.00	-40.98	L1	GND
27.384	FINAL	14.6	—	60.00	-45.40	L1	GND

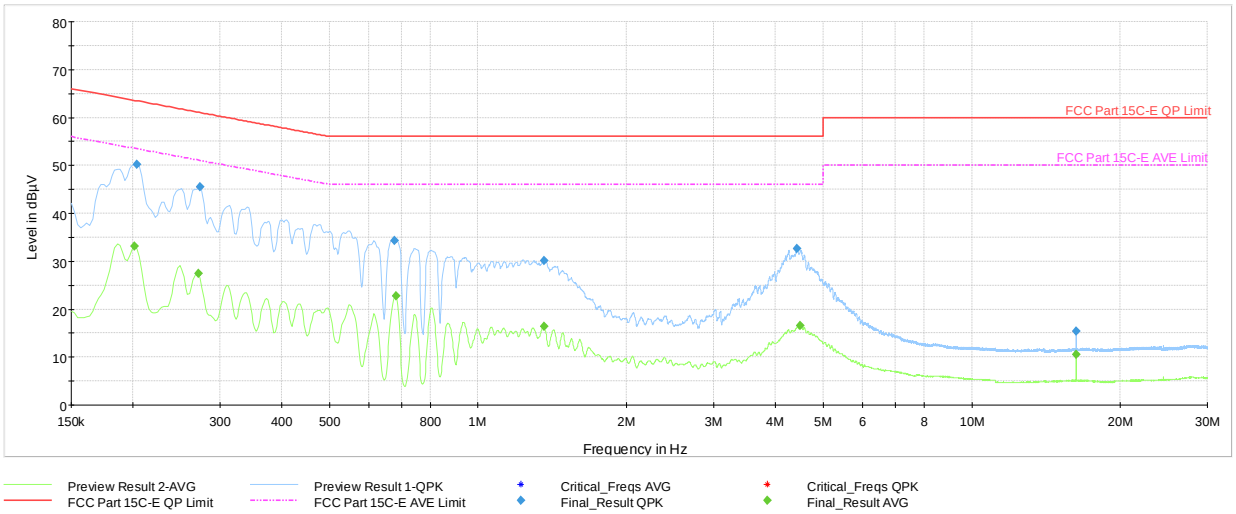
Table 7-378. AC Line Conducted Data with 802.11ax(SU) CDD Primary – Ch.36 (L1) with AC/DC adapter



Plot 7-2020. AC Line Conducted Plot with 802.11ax(SU) CDD Primary – Ch.36 (N), with AC/DC adapter

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.152	FINAL	—	19.45	55.88	-36.43	N	GND
0.152	FINAL	48.6	—	65.88	-17.23	N	GND
0.202	FINAL	—	35.80	53.54	-17.74	N	GND
0.202	FINAL	53.4	—	63.54	-10.13	N	GND
0.274	FINAL	—	27.90	51.00	-23.10	N	GND
0.274	FINAL	43.8	—	61.00	-17.18	N	GND
0.546	FINAL	38.9	—	56.00	-17.07	N	GND
0.546	FINAL	—	26.94	46.00	-19.06	N	GND
7.676	FINAL	18.4	—	60.00	-41.58	N	GND
7.676	FINAL	—	10.43	50.00	-39.57	N	GND
27.386	FINAL	—	8.66	50.00	-41.34	N	GND
27.386	FINAL	13.9	—	60.00	-46.12	N	GND

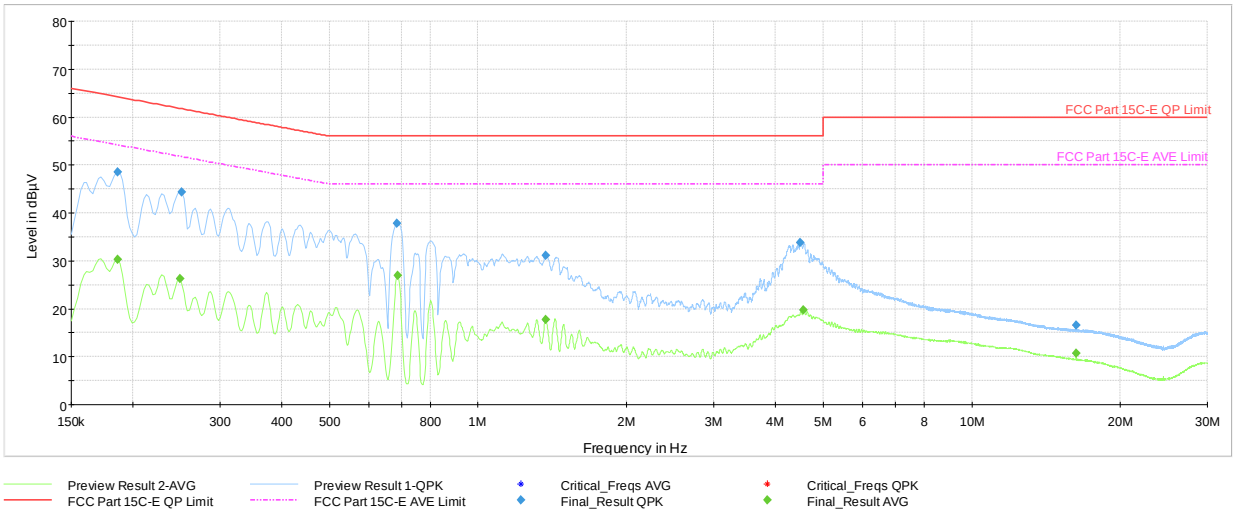
Table 7-379. AC Line Conducted Data with 802.11ax(SU) CDD Primary – Ch.36 (N), with AC/DC adapter



Plot 7-2021. AC Line Conducted Plot with 802.11n CDD Diversity Ch.36 (L1), with AC/DC adapter

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.202	FINAL	—	33.14	53.54	-20.40	L1	GND
0.204	FINAL	50.2	—	63.45	-13.30	L1	GND
0.272	FINAL	—	27.42	51.07	-23.65	L1	GND
0.274	FINAL	45.5	—	61.00	-15.49	L1	GND
0.677	FINAL	34.4	—	56.00	-21.63	L1	GND
0.683	FINAL	—	22.80	46.00	-23.20	L1	GND
1.358	FINAL	—	16.34	46.00	-29.66	L1	GND
1.361	FINAL	30.2	—	56.00	-25.82	L1	GND
4.432	FINAL	32.6	—	56.00	-23.44	L1	GND
4.497	FINAL	—	16.58	46.00	-29.42	L1	GND
16.278	FINAL	—	10.61	50.00	-39.39	L1	GND
16.278	FINAL	15.5	—	60.00	-44.54	L1	GND

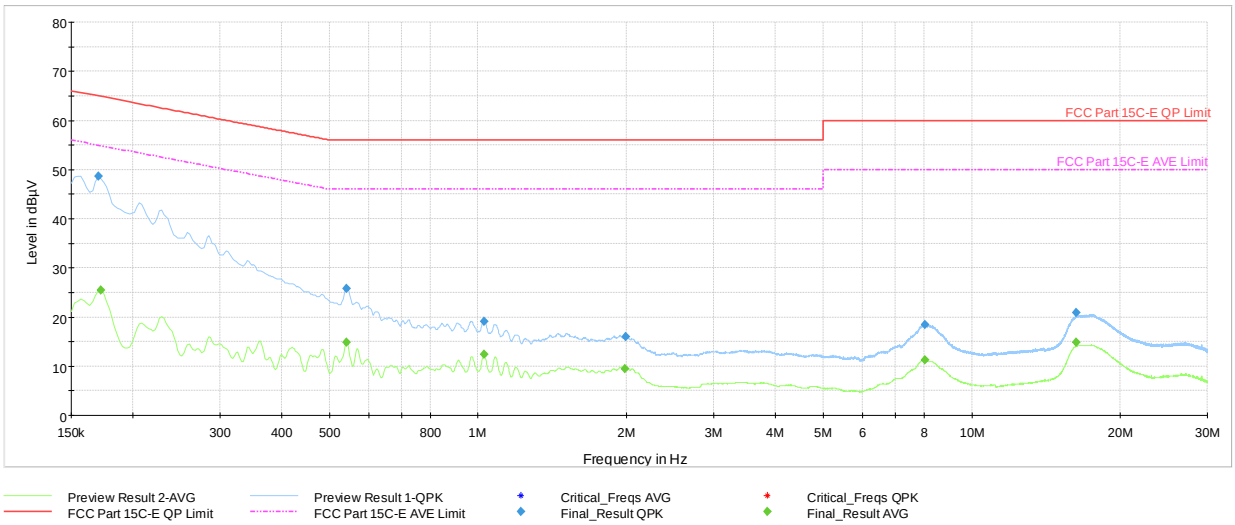
Table 7-380. AC Line Conducted Data with 802.11n CDD Diversity – Ch.36 (L1) with AC/DC adapter



Plot 7-2022. AC Line Conducted Plot with 802.11n CDD Diversity – Ch.36 (N), with AC/DC adapter

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.186	FINAL	—	30.34	54.21	-23.87	N	GND
0.186	FINAL	48.5	—	64.21	-15.67	N	GND
0.249	FINAL	—	26.27	51.79	-25.52	N	GND
0.251	FINAL	44.3	—	61.72	-17.42	N	GND
0.686	FINAL	37.8	—	56.00	-18.22	N	GND
0.688	FINAL	—	26.91	46.00	-19.09	N	GND
1.370	FINAL	—	17.71	46.00	-28.29	N	GND
1.372	FINAL	31.1	—	56.00	-24.91	N	GND
4.497	FINAL	33.9	—	56.00	-22.15	N	GND
4.567	FINAL	—	19.73	46.00	-26.27	N	GND
16.280	FINAL	—	10.67	50.00	-39.33	N	GND
16.280	FINAL	16.6	—	60.00	-43.37	N	GND

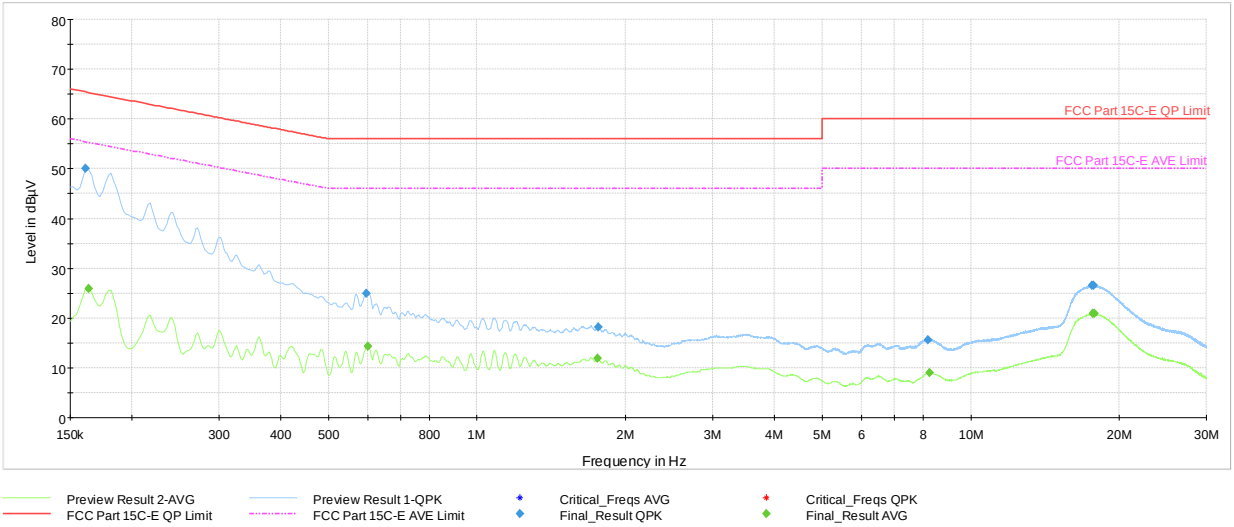
Table 7-381. AC Line Conducted Data with 802.11n CDD Diversity – Ch.36 (N), with AC/DC adapter



Plot 7-2023. AC Line Conducted Plot with 802.11ax(SU) CDD Diversity – Ch.36 (L1), with AC/DC adapter

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.170	FINAL	48.7	—	64.95	-16.25	L1	GND
0.173	FINAL	—	25.41	54.84	-29.43	L1	GND
0.542	FINAL	—	14.86	46.00	-31.14	L1	GND
0.542	FINAL	25.9	—	56.00	-30.14	L1	GND
1.028	FINAL	—	12.39	46.00	-33.61	L1	GND
1.030	FINAL	19.1	—	56.00	-36.95	L1	GND
1.984	FINAL	—	9.48	46.00	-36.52	L1	GND
1.993	FINAL	16.0	—	56.00	-39.96	L1	GND
8.030	FINAL	—	11.28	50.00	-38.72	L1	GND
8.032	FINAL	18.5	—	60.00	-41.50	L1	GND
16.267	FINAL	—	14.91	50.00	-35.09	L1	GND
16.267	FINAL	20.9	—	60.00	-39.12	L1	GND

Table 7-382. AC Line Conducted Data with 802.11ax(SU) CDD Diversity – Ch.36 (L1), with AC/DC adapter



Plot 7-2024. AC Line Conducted Plot with 802.11ax(SU) CDD Diversity Ch.36 (N), with AC/DC adapter

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.161	FINAL	50.1	—	65.40	-15.29	N	GND
0.164	FINAL	—	25.88	55.28	-29.40	N	GND
0.596	FINAL	25.0	—	56.00	-30.99	N	GND
0.600	FINAL	—	14.33	46.00	-31.67	N	GND
1.757	FINAL	—	11.85	46.00	-34.15	N	GND
1.759	FINAL	18.3	—	56.00	-37.74	N	GND
8.176	FINAL	15.6	—	60.00	-44.37	N	GND
8.241	FINAL	—	9.03	50.00	-40.97	N	GND
17.608	FINAL	26.5	—	60.00	-33.46	N	GND
17.660	FINAL	—	20.85	50.00	-29.15	N	GND
17.754	FINAL	26.6	—	60.00	-33.43	N	GND
17.779	FINAL	—	20.89	50.00	-29.11	N	GND

Table 7-383. AC Line Conducted Data with 802.11ax(SU) CDD Diversity – Ch.36 (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: BCGA2836** and **IC: 579C-A2836** 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.