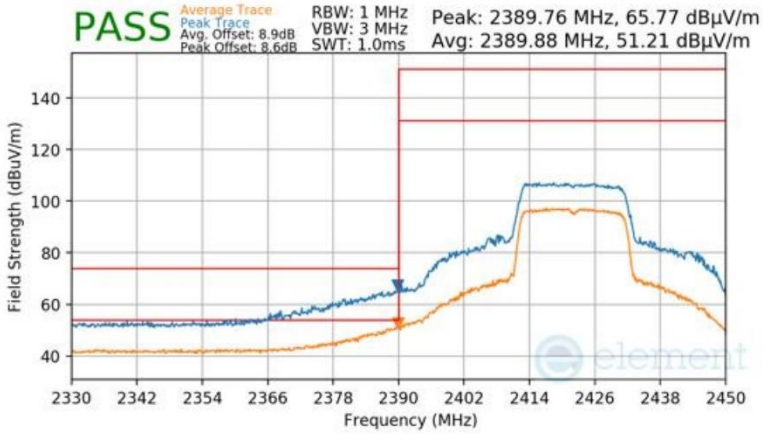
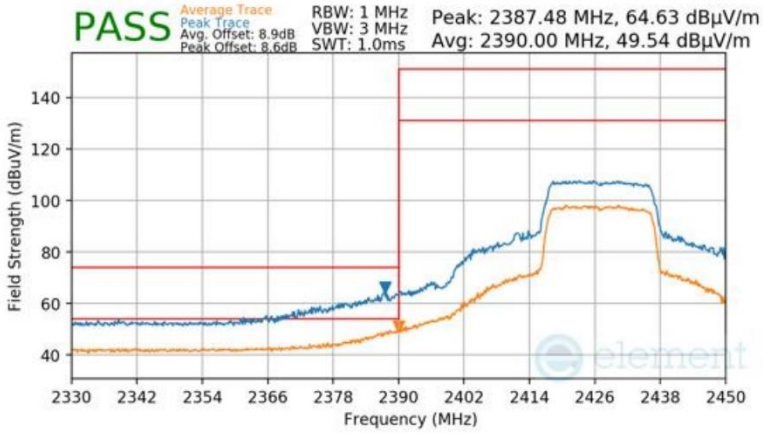
Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2422MHz
Channel:	3



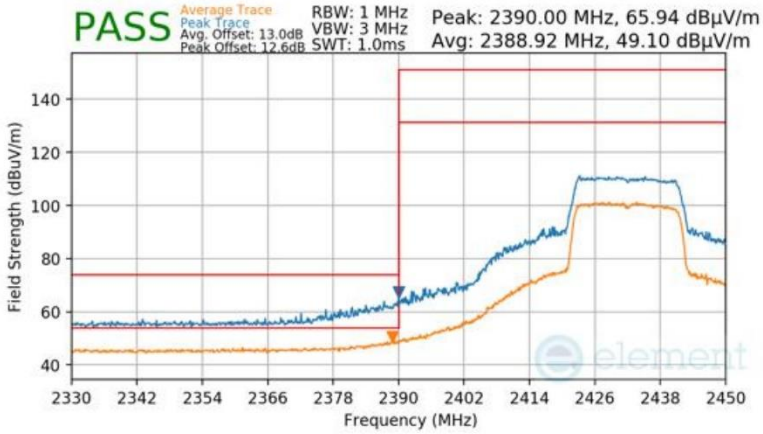
Plot 7-258 Radiated Restricted Lower Band Edge Measurement Antenna WF9 (Peak & Average – RU242)

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2427MHz
Channel:	4



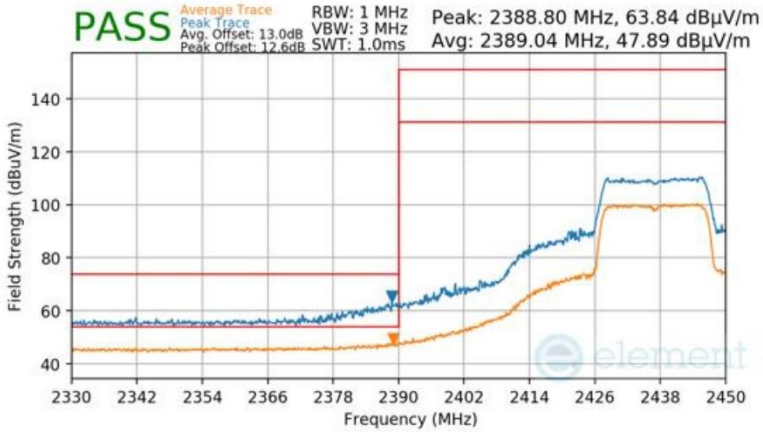
Plot 7-259 Radiated Restricted Lower Band Edge Measurement Antenna WF9 (Peak & Average – RU242)

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2432MHz
Channel:	5



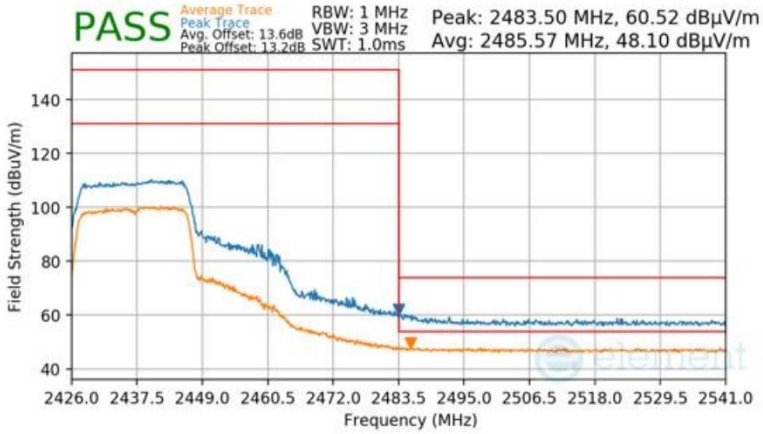
Plot 7-260 Radiated Restricted Lower Band Edge Measurement Antenna WF9 (Peak & Average – RU242)

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2437MHz
Channel:	6



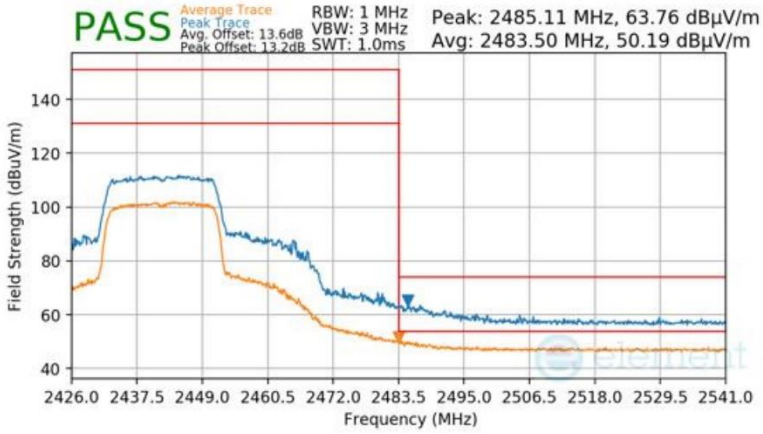
Plot 7-261 Radiated Restricted Lower Band Edge Measurement Antenna WF9 (Peak & Average – RU242)

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2437MHz
Channel:	6



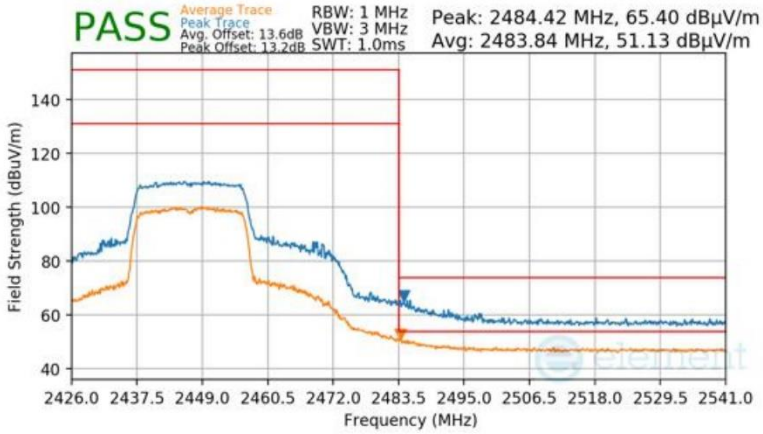
Plot 7-262 Radiated Restricted Upper Band Edge Measurement Antenna WF9 (Peak & Average – RU242)

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2442MHz
Channel:	7



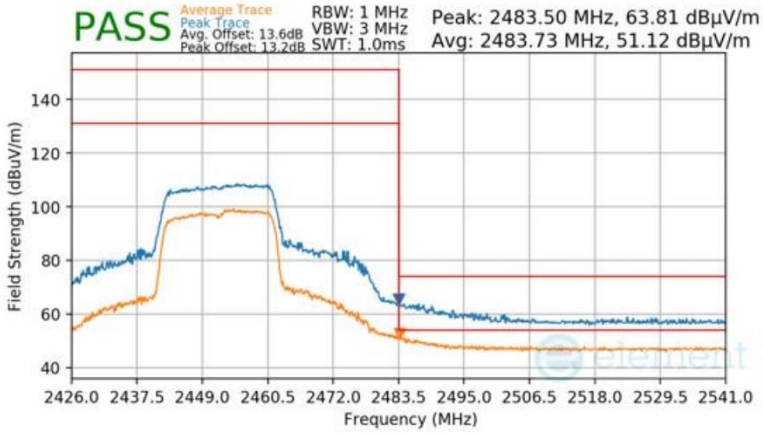
Plot 7-263 Radiated Restricted Upper Band Edge Measurement Antenna WF9 (Peak & Average – RU242)

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2447MHz
Channel:	8



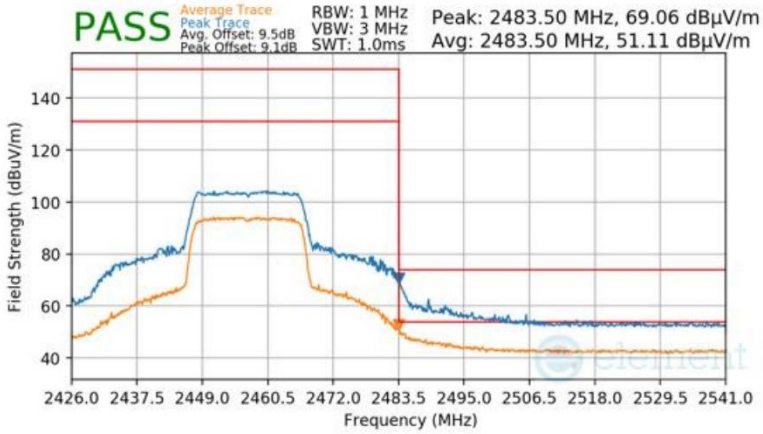
Plot 7-264 Radiated Restricted Upper Band Edge Measurement Antenna WF9 (Peak & Average – RU242)

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2452MHz
Channel:	9



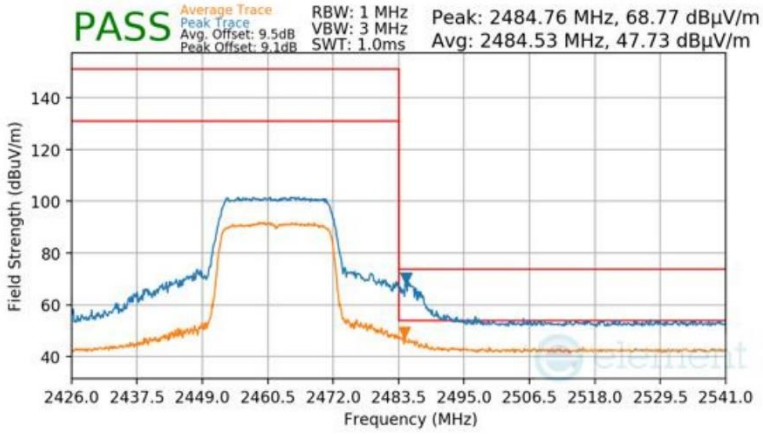
Plot 7-265 Radiated Restricted Upper Band Edge Measurement Antenna WF9 (Peak & Average – RU242)

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2457MHz
Channel:	10



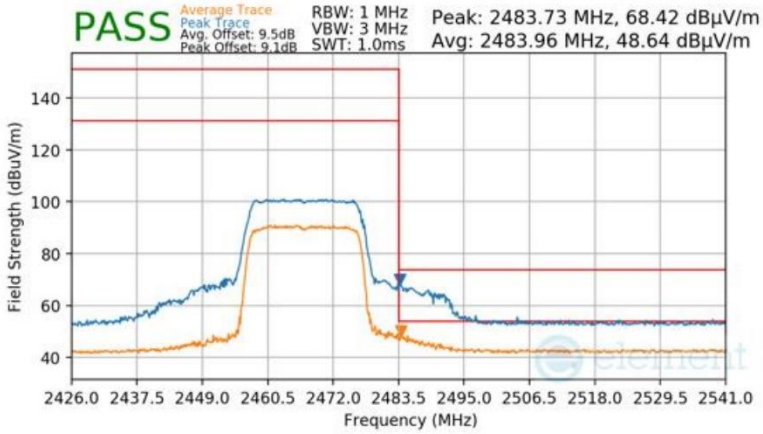
Plot 7-266 Radiated Restricted Upper Band Edge Measurement Antenna WF9 (Peak & Average – RU242)

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2462MHz
Channel:	11



Plot 7-267 Radiated Restricted Upper Band Edge Measurement Antenna WF9 (Peak & Average – RU242)

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2467MHz
Channel:	12



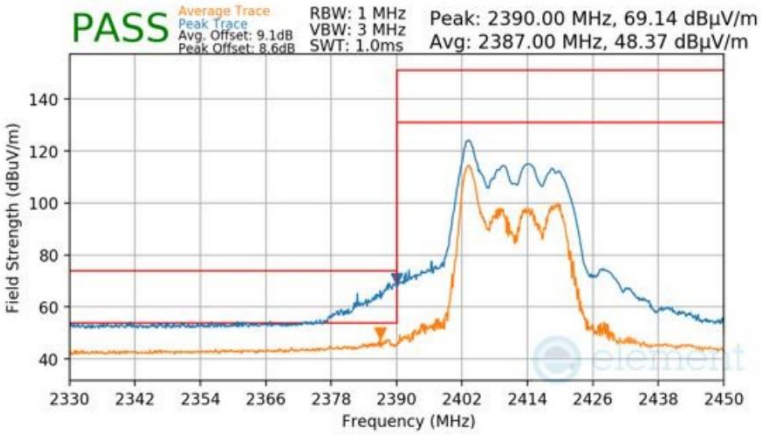
Plot 7-268 Radiated Restricted Upper Band Edge Measurement Antenna WF9 (Peak & Average – RU242)

7.7.9 CDD Primary Radiated Restricted Band Edge Measurements

§15.205 §15.209; RSS-Gen [8.9]

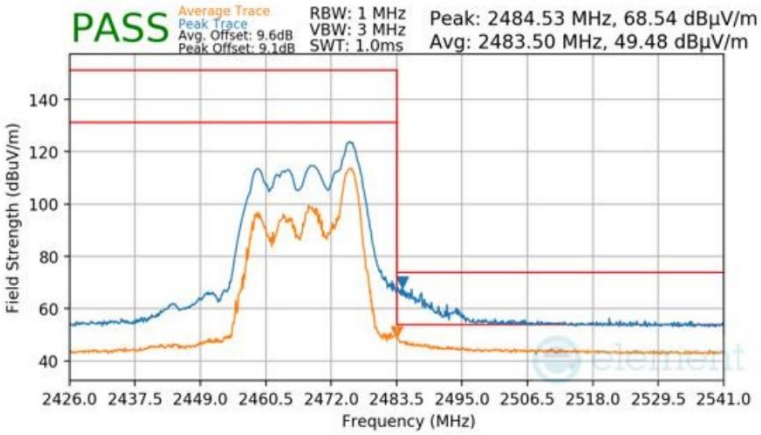
RU26

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	0
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	1



Plot 7-269 Radiated Restricted Lower Band Edge Measurement CDD Primary (Peak & Average – RU26)

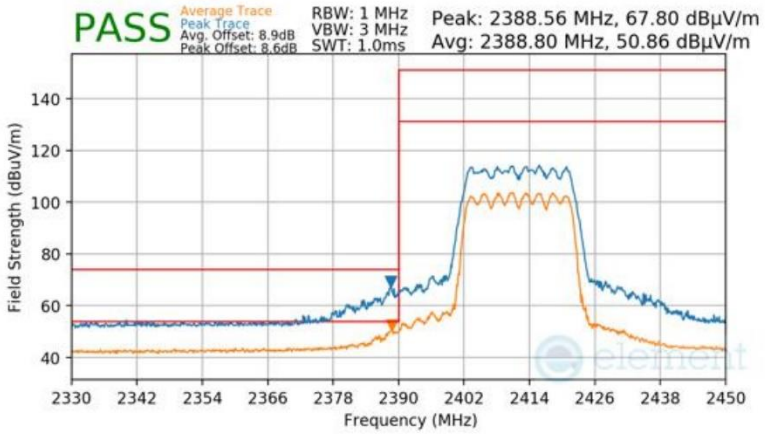
Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	8
Distance of Measurements:	3 Meters
Operating Frequency:	2467MHz
Channel:	12



Plot 7-270 Radiated Restricted Upper Band Edge Measurement CDD Primary (Peak & Average – RU26)

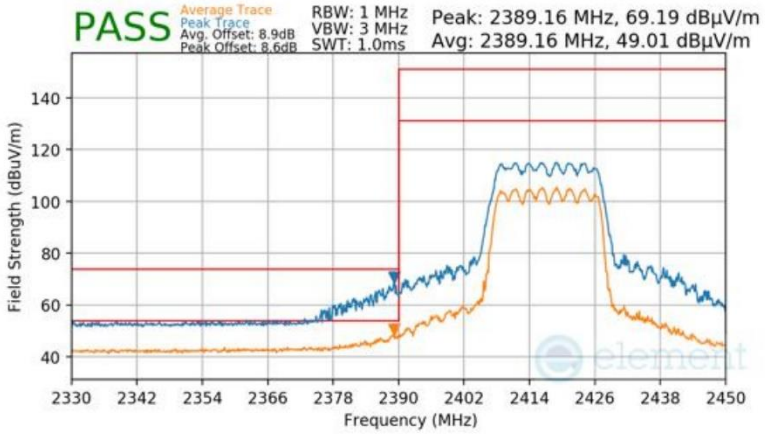
RU242

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	1



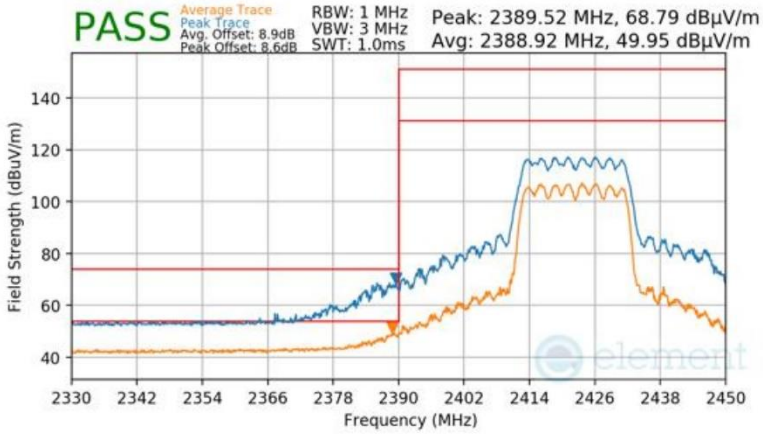
Plot 7-271 Radiated Restricted Lower Band Edge Measurement CDD Primary (Peak & Average – RU242)

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2417MHz
Channel:	2



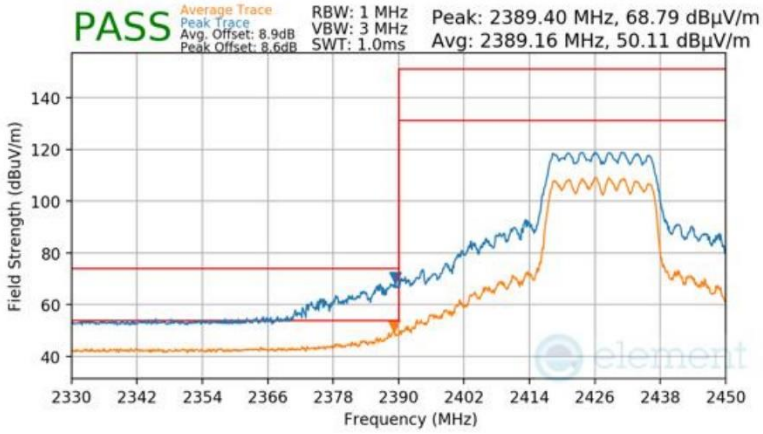
Plot 7-272 Radiated Restricted Lower Band Edge Measurement CDD Primary (Peak & Average – RU242)

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2422MHz
Channel:	3



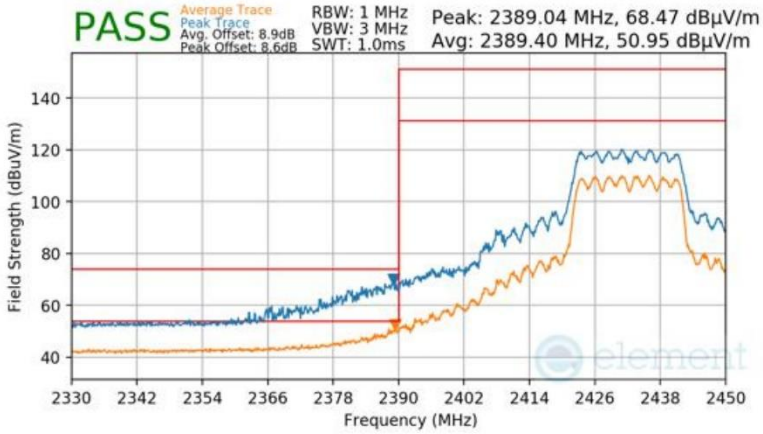
Plot 7-273 Radiated Restricted Lower Band Edge Measurement CDD Primary (Peak & Average – RU242)

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2427MHz
Channel:	4



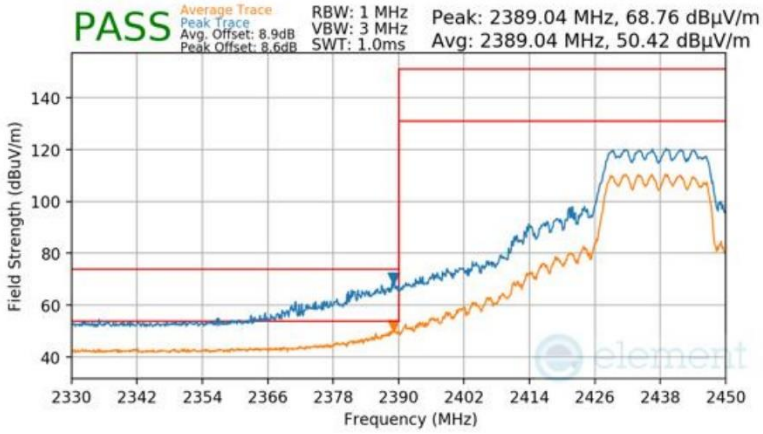
Plot 7-274 Radiated Restricted Lower Band Edge Measurement CDD Primary (Peak & Average – RU242)

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2432MHz
Channel:	5



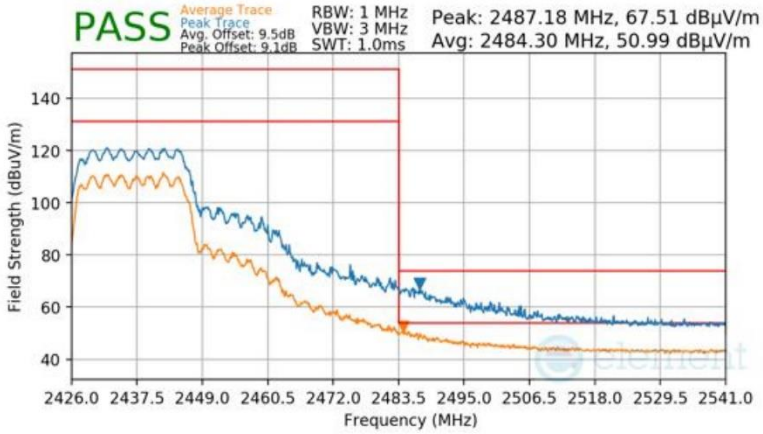
Plot 7-275 Radiated Restricted Lower Band Edge Measurement CDD Primary (Peak & Average – RU242)

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2437MHz
Channel:	6



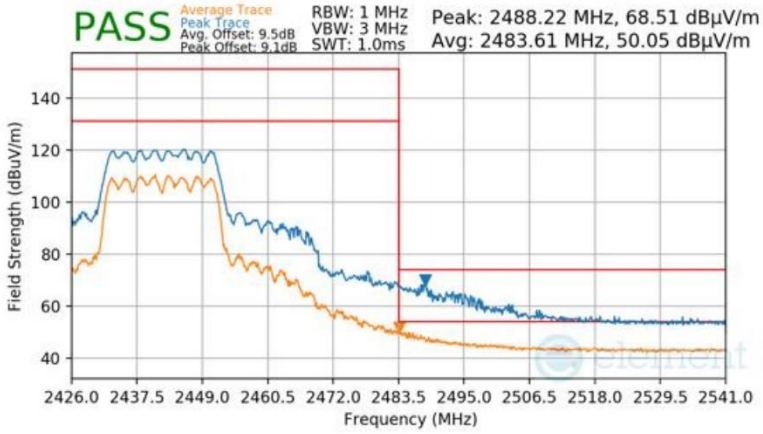
Plot 7-276 Radiated Restricted Lower Band Edge Measurement CDD Primary (Peak & Average – RU242)

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2437MHz
Channel:	6



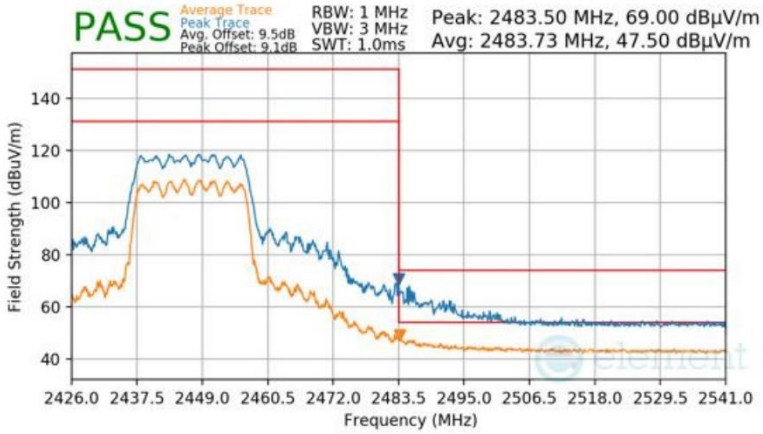
Plot 7-277 Radiated Restricted Upper Band Edge Measurement CDD Primary (Peak & Average – RU242)

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2442MHz
Channel:	7



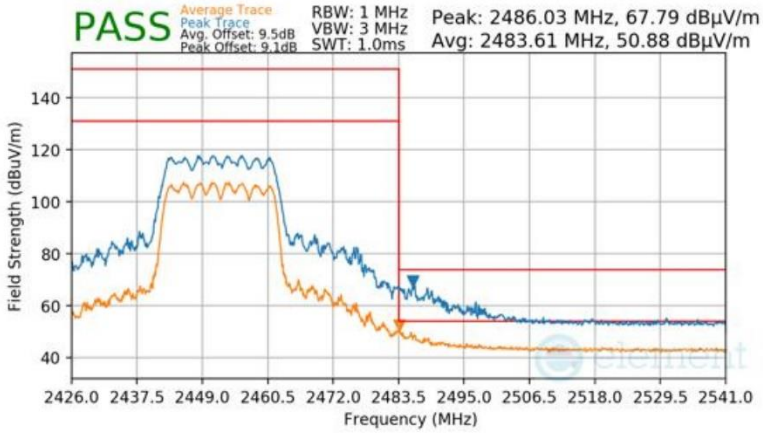
Plot 7-278 Radiated Restricted Upper Band Edge Measurement CDD Primary (Peak & Average – RU242)

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2447MHz
Channel:	8



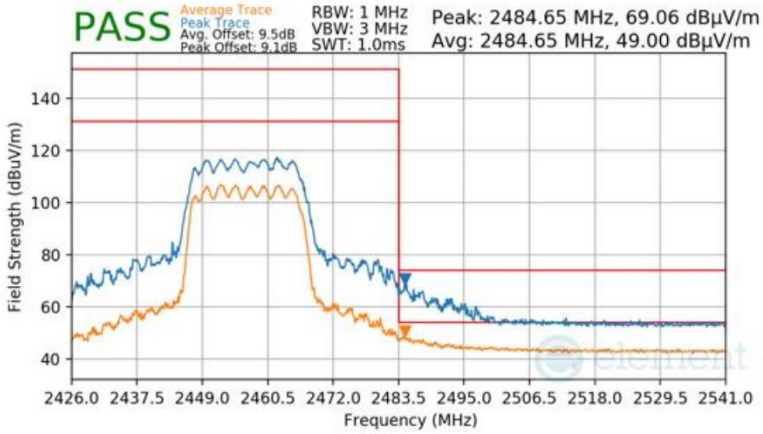
Plot 7-279 Radiated Restricted Upper Band Edge Measurement CDD Primary (Peak & Average – RU242)

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2452MHz
Channel:	9



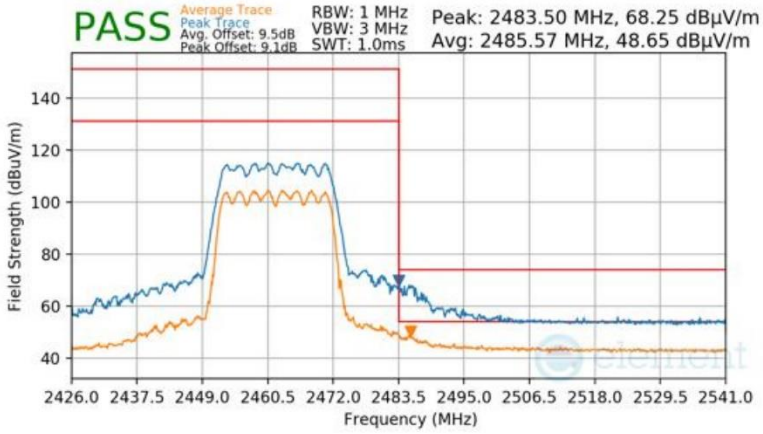
Plot 7-280 Radiated Restricted Upper Band Edge Measurement CDD Primary (Peak & Average – RU242)

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2457MHz
Channel:	10



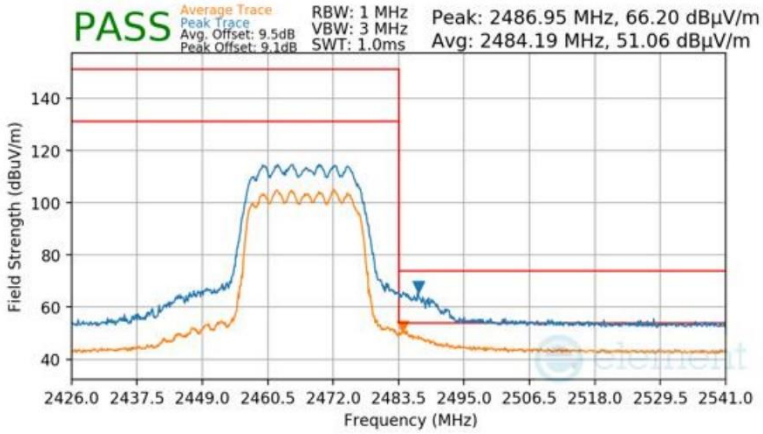
Plot 7-281 Radiated Restricted Upper Band Edge Measurement CDD Primary (Peak & Average – RU242)

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2462MHz
Channel:	11



Plot 7-282 Radiated Restricted Upper Band Edge Measurement CDD Primary (Peak & Average – RU242)

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2467MHz
Channel:	12



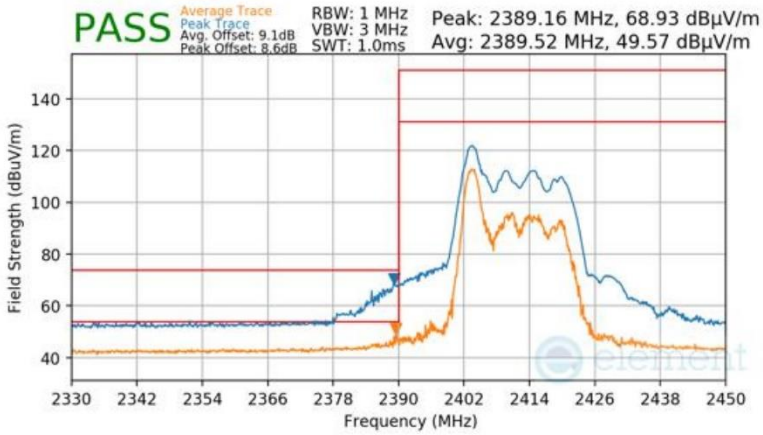
Plot 7-283 Radiated Restricted Upper Band Edge Measurement CDD Primary (Peak & Average – RU242)

7.7.10 CDD Diversity Radiated Restricted Band Edge Measurements

§15.205 §15.209; RSS-Gen [8.9]

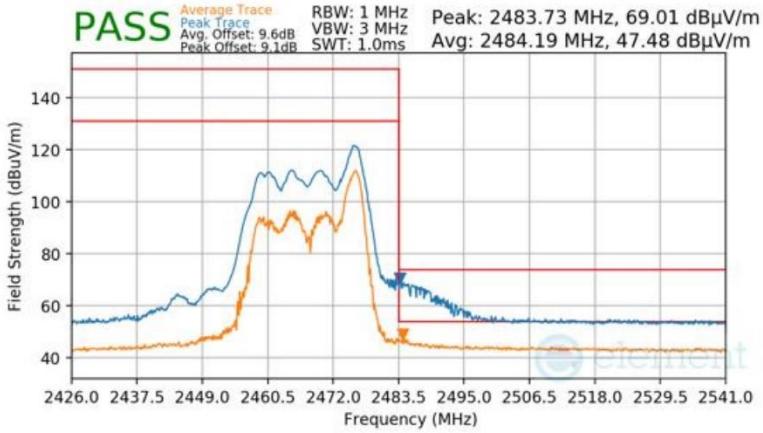
RU26

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	0
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	1



Plot 7-284 Radiated Restricted Lower Band Edge Measurement CDD Diversity (Peak & Average – RU26)

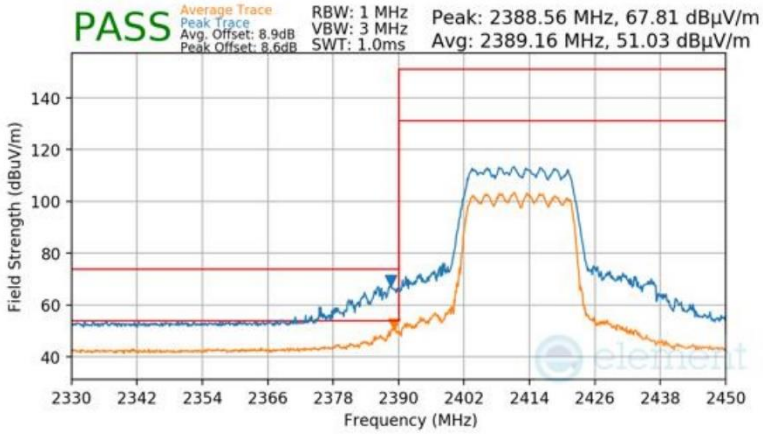
Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	8
Distance of Measurements:	3 Meters
Operating Frequency:	2467MHz
Channel:	12



Plot 7-285 Radiated Restricted Upper Band Edge Measurement CDD Diversity (Peak & Average – RU26)

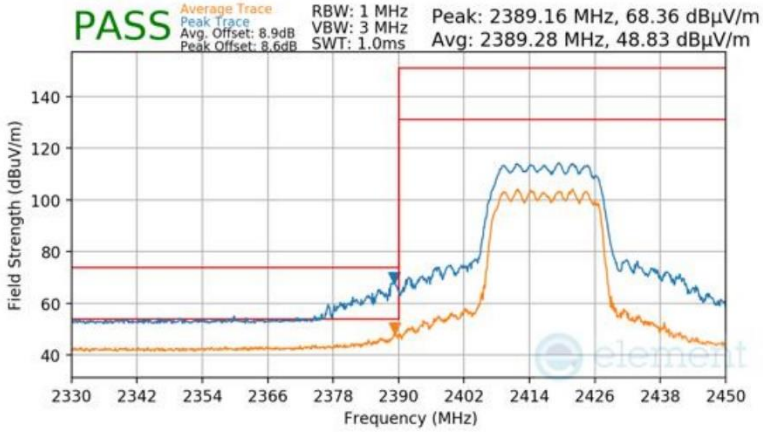
RU242

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	1



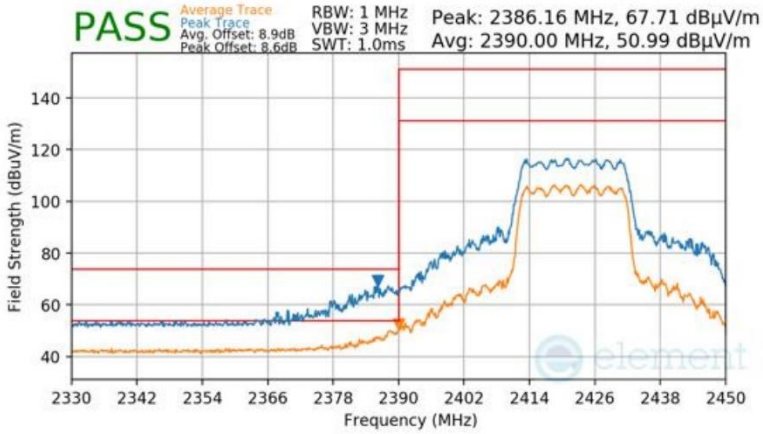
Plot 7-286 Radiated Restricted Lower Band Edge Measurement CDD Diversity (Peak & Average – RU242)

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2417MHz
Channel:	2



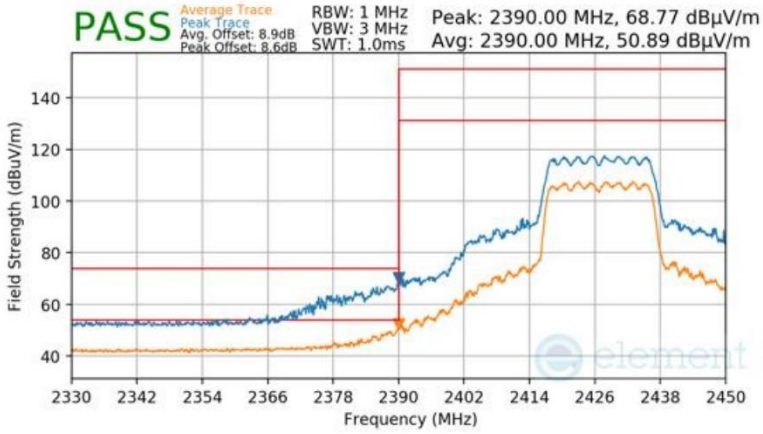
Plot 7-287 Radiated Restricted Lower Band Edge Measurement CDD Diversity (Peak & Average – RU242)

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2422MHz
Channel:	3



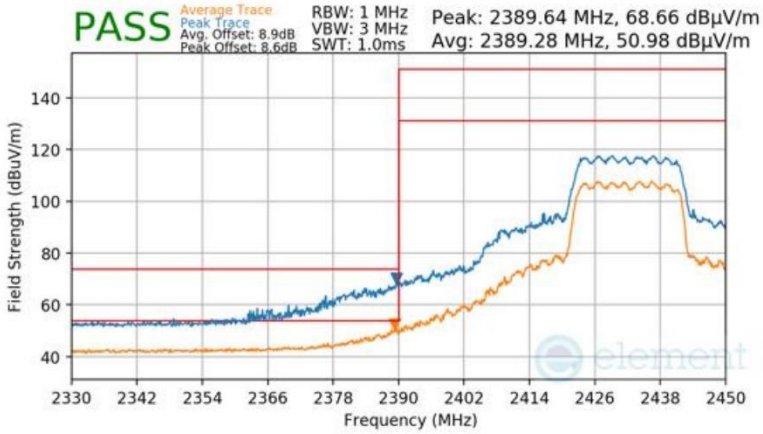
Plot 7-288 Radiated Restricted Lower Band Edge Measurement CDD Diversity (Peak & Average – RU242)

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2427MHz
Channel:	4



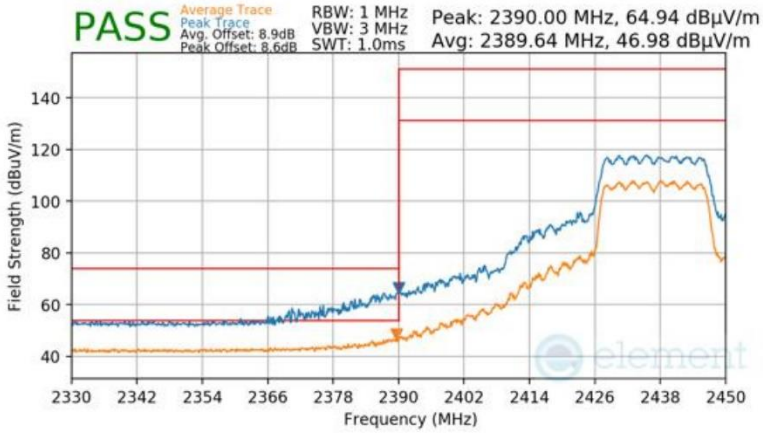
Plot 7-289 Radiated Restricted Lower Band Edge Measurement CDD Diversity (Peak & Average – RU242)

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2432MHz
Channel:	5



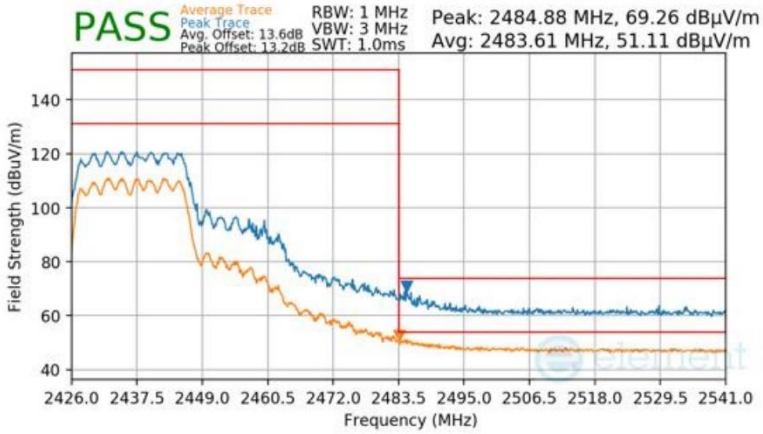
Plot 7-290 Radiated Restricted Lower Band Edge Measurement CDD Diversity (Peak & Average – RU242)

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2437MHz
Channel:	6



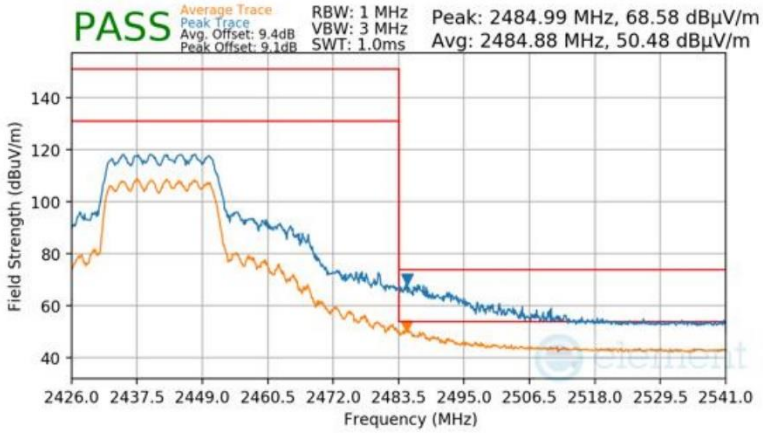
Plot 7-291 Radiated Restricted Lower Band Edge Measurement CDD Diversity (Peak & Average – RU242)

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2437MHz
Channel:	6



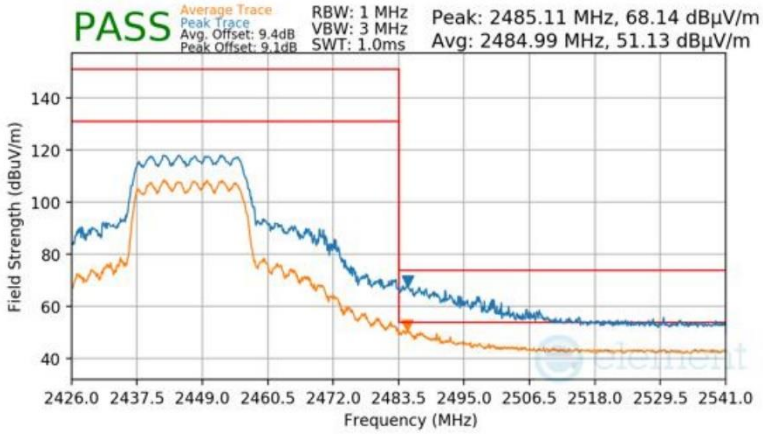
Plot 7-292 Radiated Restricted Upper Band Edge Measurement CDD Diversity (Peak & Average – RU242)

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2442MHz
Channel:	7



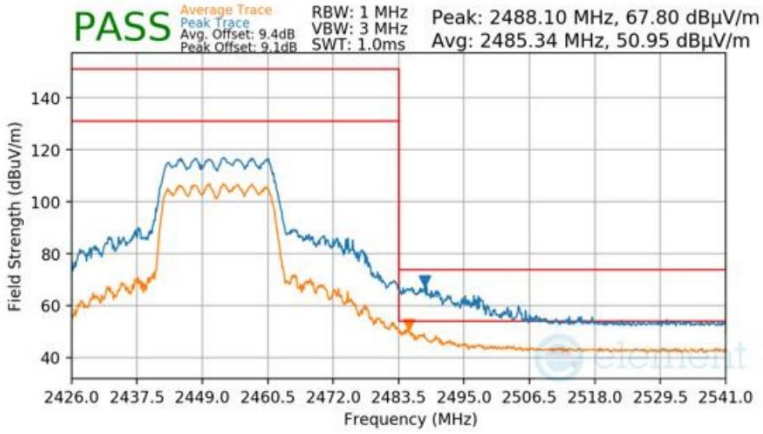
Plot 7-293 Radiated Restricted Upper Band Edge Measurement CDD Diversity (Peak & Average – RU242)

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2447MHz
Channel:	8



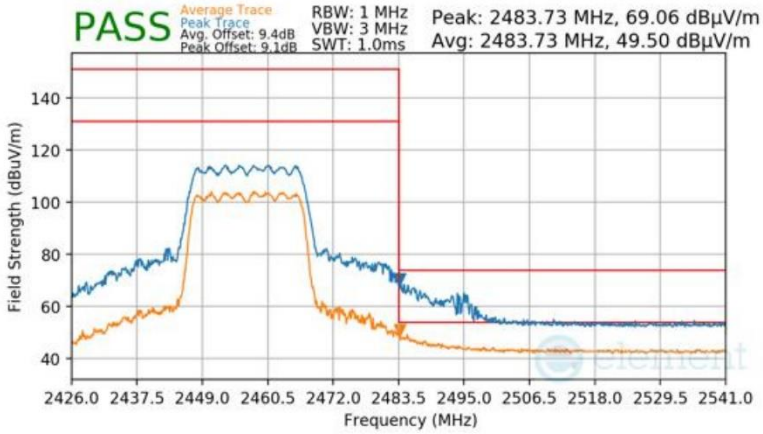
Plot 7-294 Radiated Restricted Upper Band Edge Measurement CDD Diversity (Peak & Average – RU242)

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2452MHz
Channel:	9



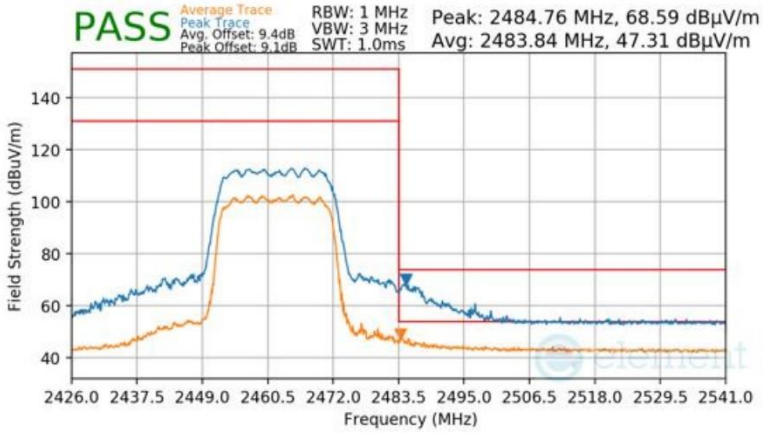
Plot 7-295 Radiated Restricted Upper Band Edge Measurement CDD Diversity (Peak & Average – RU242)

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2457MHz
Channel:	10



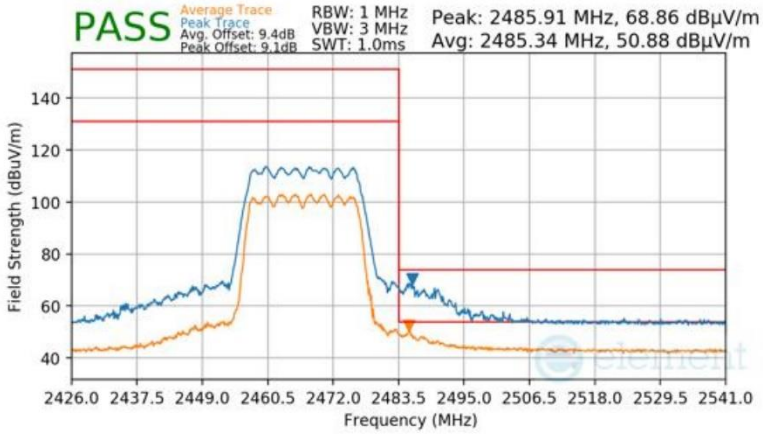
Plot 7-296 Radiated Restricted Upper Band Edge Measurement CDD Diversity (Peak & Average – RU242)

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2462MHz
Channel:	11



Plot 7-297 Radiated Restricted Upper Band Edge Measurement CDD Diversity (Peak & Average – RU242)

Mode:	802.11ax OFDMA
Transfer Rate:	MCS9
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2467MHz
Channel:	12



Plot 7-298 Radiated Restricted Upper Band Edge Measurement CDD Diversity (Peak & Average – RU242)

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 7-61 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 7-61. 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 = 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.

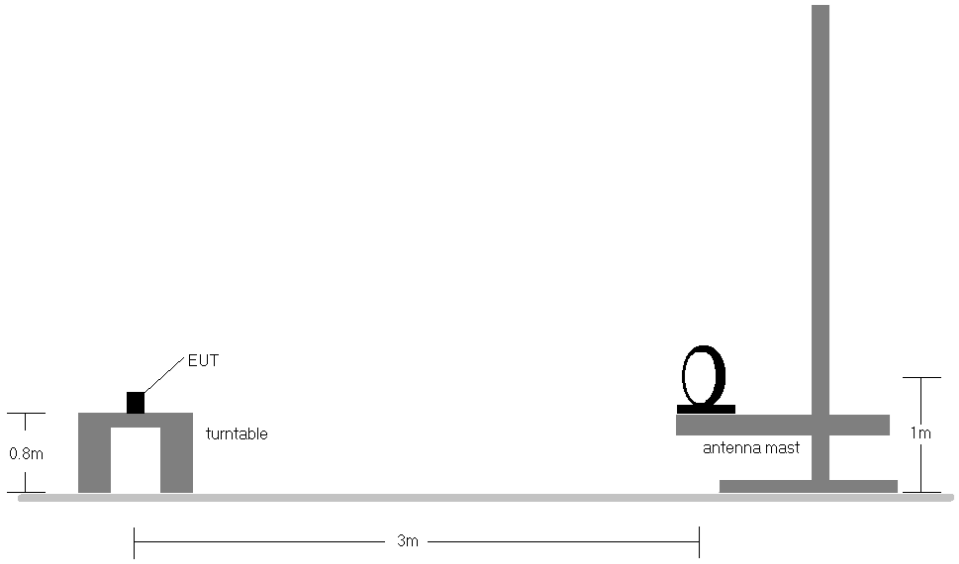


Figure 7-7. Radiated Test Setup < 30MHz

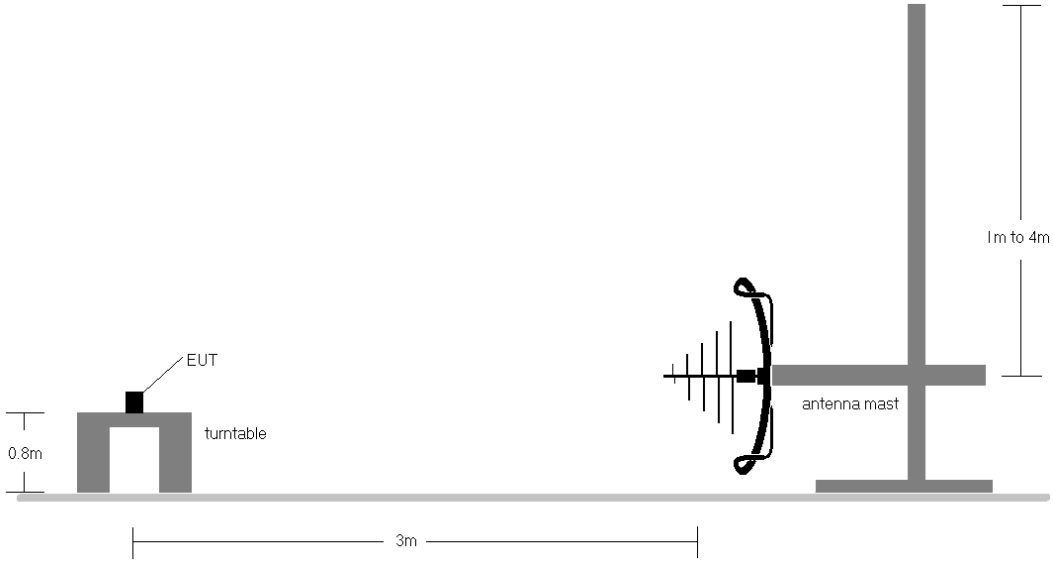


Figure 7-8. Radiated Test Setup < 1GHz

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 7-61.
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 for emissions 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. All antenna configurations and data rates were investigated and only the worst case are reported.
10. For radiated measurements, emissions were investigated for the fully-loaded RU configuration and for all the partially-loaded RU configurations. Among all of the available partially-loaded RU configurations, only the configuration with the worst case emissions is reported.
11. 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

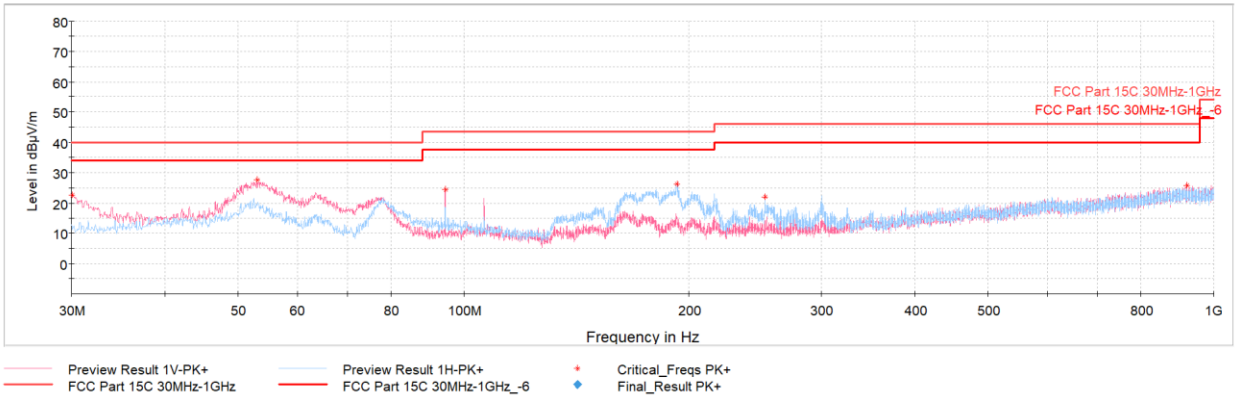
Sample Calculations

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 $_{[dB]}$ – Preamplifier Gain $_{[dB]}$
- Margin $_{[dB]}$ = Field Strength Level $_{[dB\mu V/m]}$ – Limit $_{[dB\mu V/m]}$

CDD Primary Radiated Spurious Emissions Measurements (Below 1GHz)

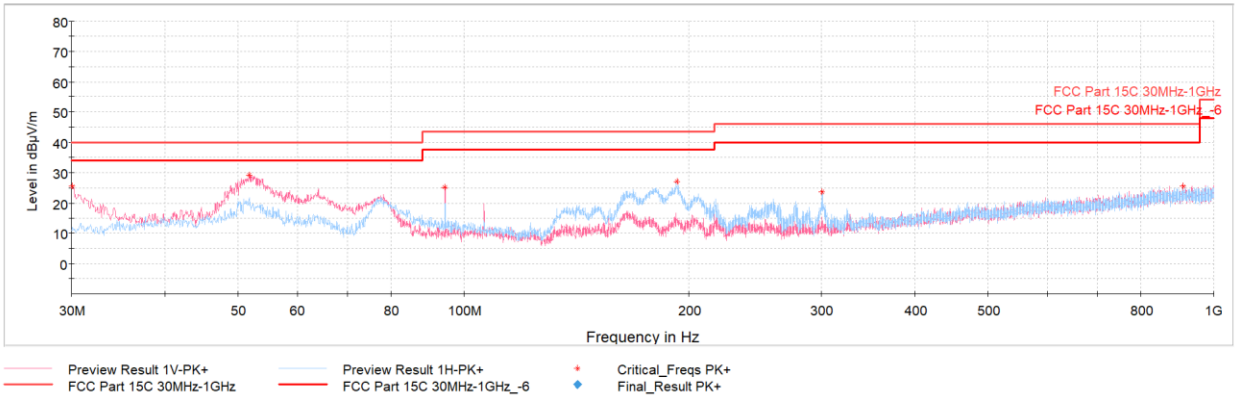
§15.209; RSS-Gen [8.9]



Plot 7-299. Radiated Spurious Emissions below 1GHz CDD Primary Ch.6 (RU26), 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]
30.05	Max-Peak	V	100	46	-69.12	-15.22	22.66	40.00	-17.34
53.09	Max-Peak	V	100	17	-66.23	-13.21	27.56	40.00	-12.44
94.51	Max-Peak	V	200	63	-65.60	-16.91	24.49	43.52	-19.03
192.52	Max-Peak	H	100	15	-63.93	-16.83	26.24	43.52	-17.28
252.32	Max-Peak	H	100	255	-69.87	-15.06	22.07	46.02	-23.95
922.55	Max-Peak	H	300	151	-77.89	-3.32	25.79	46.02	-20.23

Table 7-62. Radiated Spurious Emissions below 1GHz CDD Primary Ch.6 (RU26), with AC/DC Adapter



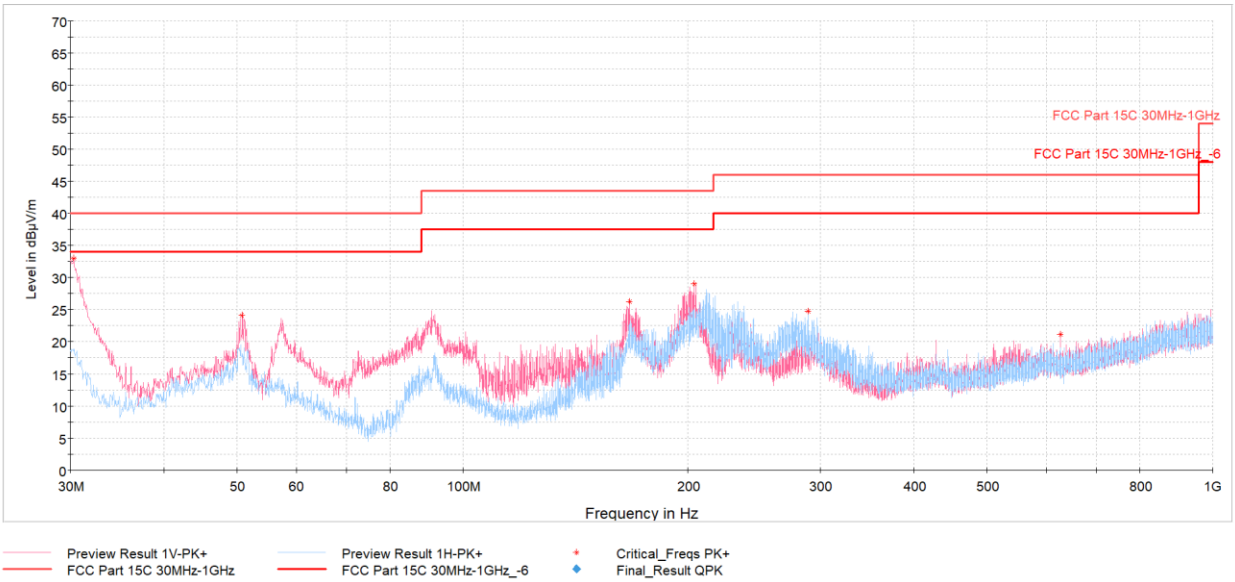
Plot 7-300. Radiated Spurious Emissions below 1GHz CDD Primary Ch.6 (RU242), with AC/DC Adapter

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]
30.05	Max-Peak	V	100	156	-66.29	-15.22	25.49	40.00	-14.51
51.78	Max-Peak	V	100	51	-64.90	-12.85	29.25	40.00	-10.75
94.46	Max-Peak	V	100	207	-65.01	-16.92	25.07	43.52	-18.45
192.43	Max-Peak	H	100	173	-63.16	-16.84	27.00	43.52	-16.52
300.53	Max-Peak	H	100	255	-69.19	-14.15	23.66	46.02	-22.36
911.25	Max-Peak	V	300	56	-78.49	-2.93	25.58	46.02	-20.44

Table 7-63. Radiated Spurious Emissions below 1GHz CDD Primary Ch.6 (RU242), with AC/DC Adapter

CDD Diversity Radiated Spurious Emissions Measurements (Below 1GHz)

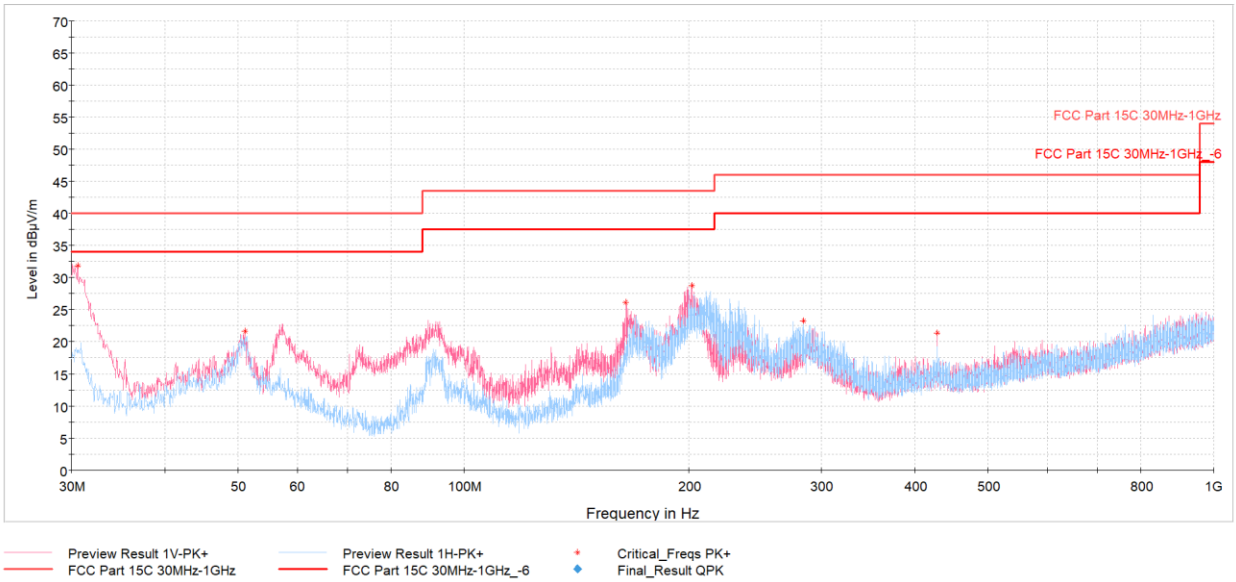
§15.209; RSS-Gen [8.9]



Plot 7-301. Radiated Spurious Emissions below 1GHz CDD Diversity Ch.6 (RU26), with Laptop

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]
30.29	Max-Peak	V	100	304	-58.06	-15.93	33.01	40.00	-6.99
50.81	Max-Peak	V	100	130	-69.73	-13.12	24.15	40.00	-15.85
166.87	Max-Peak	V	100	111	-61.38	-19.34	26.28	43.52	-17.24
203.53	Max-Peak	V	100	123	-60.49	-17.51	29.00	43.52	-14.52
288.70	Max-Peak	H	100	258	-67.48	-14.83	24.69	46.02	-21.33
626.84	Max-Peak	V	200	70	-78.11	-7.79	21.10	46.02	-24.92

Table 7-64. Radiated Spurious Emissions below 1GHz CDD Diversity Ch.6 (RU26), with Laptop



Plot 7-302. Radiated Spurious Emissions below 1GHz CDD Diversity Ch.6 (RU242), with Laptop

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]
30.58	Max-Peak	V	100	32	-59.09	-16.00	31.91	40.00	-8.09
51.10	Max-Peak	V	100	137	-72.20	-13.13	21.67	40.00	-18.33
164.68	Max-Peak	V	100	119	-61.51	-19.41	26.08	43.52	-17.44
201.50	Max-Peak	V	100	94	-60.83	-17.41	28.76	43.52	-14.76
283.61	Max-Peak	H	100	240	-68.80	-14.96	23.24	46.02	-22.78
427.89	Max-Peak	V	100	161	-74.52	-11.08	21.40	46.02	-24.62

Table 7-65. Radiated Spurious Emissions below 1GHz CDD Diversity Ch.6 (RU242), with Laptop

7.9 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. 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 7-66. 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

Test Setup

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

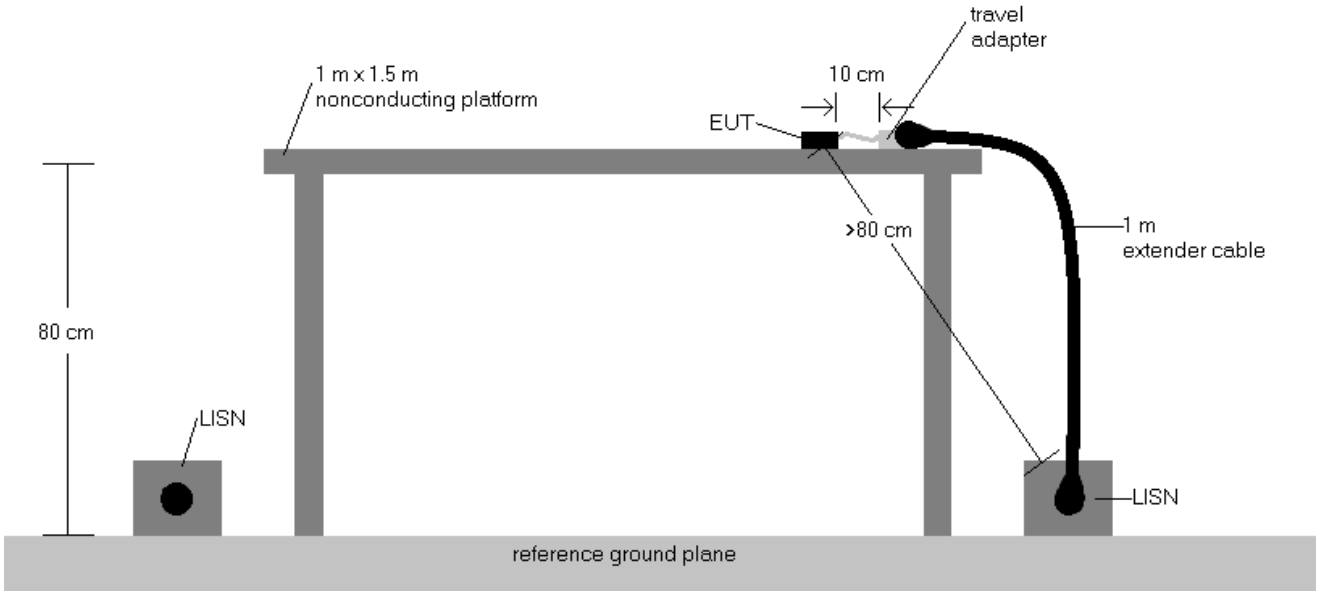
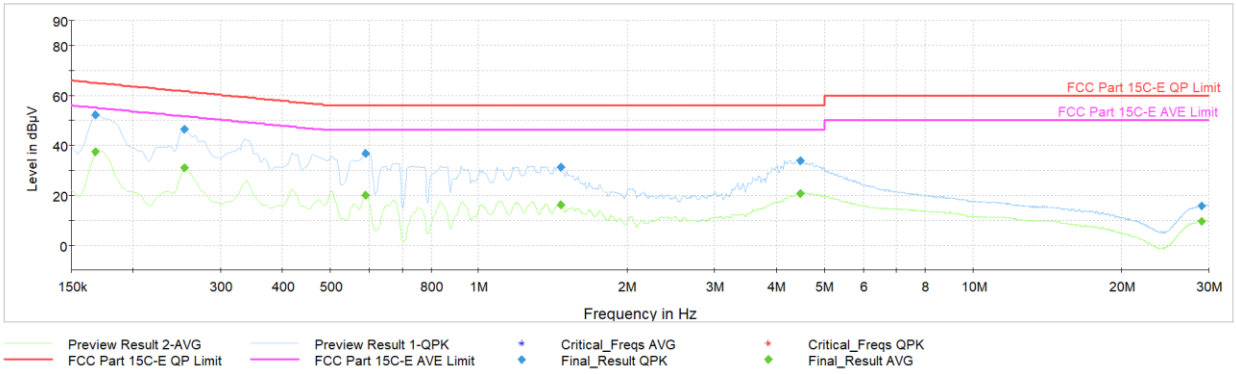


Figure 7-9. Test Instrument & Measurement Setup

Test Notes

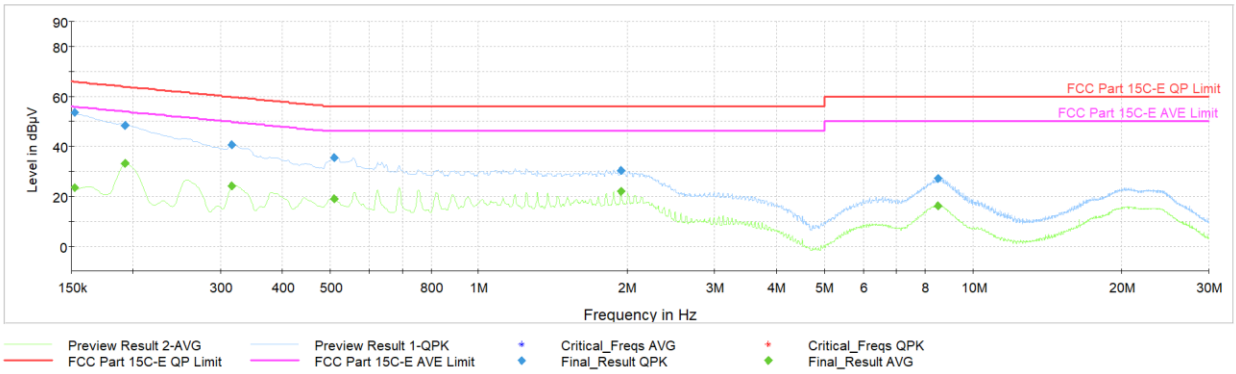
1. All modes of operation were investigated and the worst-case emissions are reported. The emissions found were not affected by the choice of channel used during testing.
2. Both configurations below were investigated, and the worst case has been reported.
   a. EUT powered by AC/DC adaptor via USB-C 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 Part 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 Factore (dB)
6. Margin (dB) = QP/AV Level (dBμV) - QP/AV Limit (dBμV)
7. Traces shown in plot are made using quasi peak and average detectors.
8. Deviations to the Specifications: None.
9. All RU's were investigated and only worst case partially-loaded and fully-loaded RU's are reported.



Plot 7-303. AC Line Conducted Emissions with 802.11ax (RU26) Ch.6 CDD Primary (L1, with Laptop)

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.168	FINAL	---	37.44	55.06	-17.62	L1	GND
0.168	FINAL	52.4	---	65.06	-12.68	L1	GND
0.254	FINAL	---	31.08	51.64	-20.57	L1	GND
0.254	FINAL	46.5	---	61.64	-15.15	L1	GND
0.591	FINAL	---	20.07	46.00	-25.93	L1	GND
0.591	FINAL	36.9	---	56.00	-19.12	L1	GND
1.466	FINAL	31.3	---	56.00	-24.67	L1	GND
1.466	FINAL	---	16.20	46.00	-29.80	L1	GND
4.475	FINAL	33.9	---	56.00	-22.07	L1	GND
4.475	FINAL	---	20.75	46.00	-25.25	L1	GND
28.993	FINAL	---	9.58	50.00	-40.42	L1	GND
28.993	FINAL	15.8	---	60.00	-44.17	L1	GND

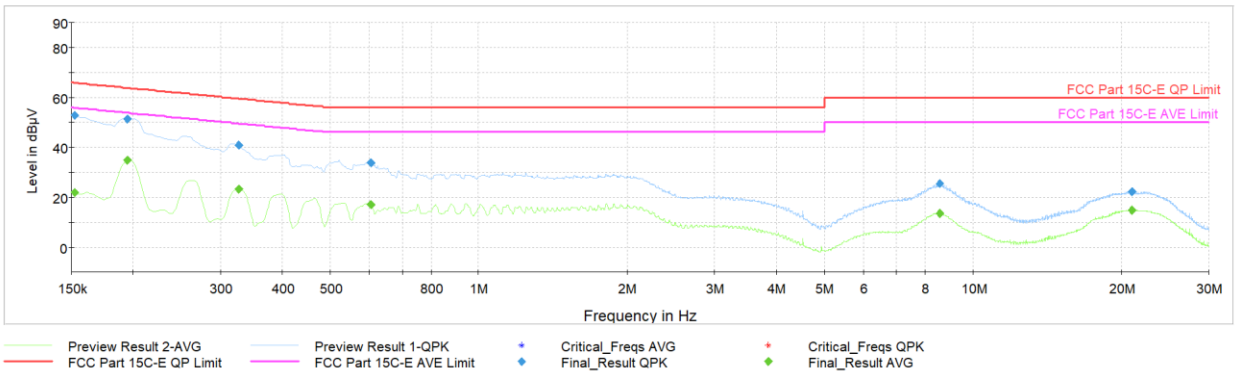
Table 7-67. AC Line Conducted Data with 802.11ax (RU26) Ch.6 CDD Primary (L1, with Laptop)



Plot 7-304. AC Line Conducted Emissions with 802.11ax (RU26) Ch.6 CDD Primary (N, with Laptop)

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.152	FINAL	---	23.62	55.88	-32.25	N	GND
0.152	FINAL	53.6	---	65.88	-12.32	N	GND
0.193	FINAL	---	33.11	53.92	-20.81	N	GND
0.193	FINAL	48.5	---	63.92	-15.42	N	GND
0.317	FINAL	---	24.08	49.80	-25.72	N	GND
0.317	FINAL	40.6	---	59.80	-19.21	N	GND
0.510	FINAL	35.6	---	56.00	-20.38	N	GND
0.510	FINAL	---	18.97	46.00	-27.03	N	GND
1.939	FINAL	30.3	---	56.00	-25.72	N	GND
1.939	FINAL	---	22.02	46.00	-23.98	N	GND
8.489	FINAL	---	16.10	50.00	-33.90	N	GND
8.489	FINAL	27.1	---	60.00	-32.95	N	GND

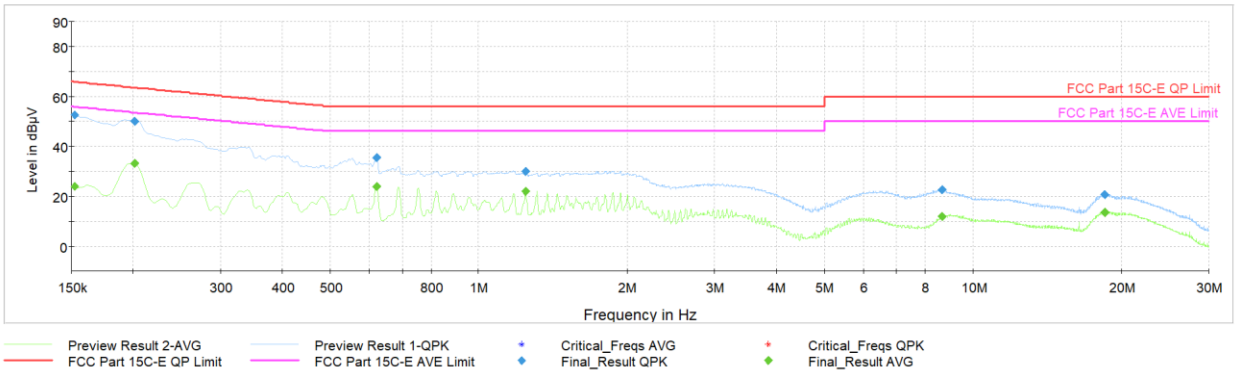
Table 7-68. AC Line Conducted Data with 802.11ax (RU26) Ch.6 CDD Primary (N, with Laptop)



Plot 7-305. AC Line Conducted Emissions with 802.11ax (RU242) Ch.6 CDD Primary (L1, with Laptop)

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.152	FINAL	---	22.02	55.88	-33.85	L1	GND
0.152	FINAL	52.9	---	65.88	-12.95	L1	GND
0.195	FINAL	---	34.89	53.82	-18.93	L1	GND
0.195	FINAL	51.4	---	63.82	-12.40	L1	GND
0.328	FINAL	---	23.07	49.51	-26.44	L1	GND
0.328	FINAL	41.0	---	59.51	-18.55	L1	GND
0.605	FINAL	33.9	---	56.00	-22.13	L1	GND
0.605	FINAL	---	17.21	46.00	-28.79	L1	GND
8.561	FINAL	25.4	---	60.00	-34.64	L1	GND
8.561	FINAL	---	13.69	50.00	-36.31	L1	GND
20.981	FINAL	22.2	---	60.00	-37.79	L1	GND
20.985	FINAL	---	14.73	50.00	-35.27	L1	GND

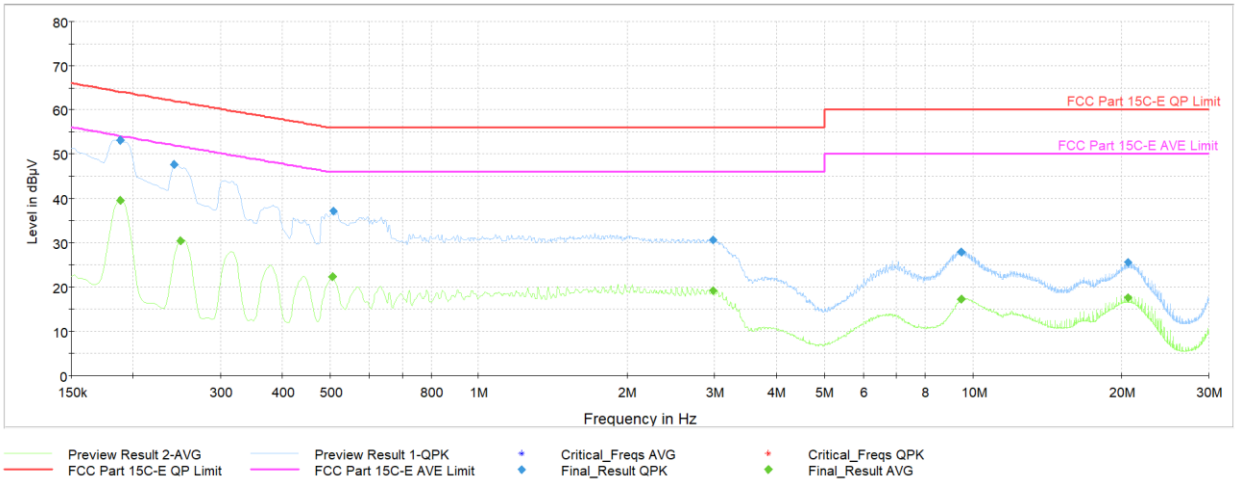
Table 7-69. AC Line Conducted Data with 802.11ax (RU242) Ch.6 CDD Primary (L1, with Laptop)



Plot 7-306. AC Line Conducted Emissions with 802.11ax (RU242) Ch.6 CDD Primary (N, with Laptop)

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.152	FINAL	---	24.00	55.88	-31.88	N	GND
0.152	FINAL	52.7	---	65.88	-13.19	N	GND
0.202	FINAL	---	33.35	53.54	-20.19	N	GND
0.202	FINAL	49.9	---	63.54	-13.68	N	GND
0.623	FINAL	---	23.95	46.00	-22.05	N	GND
0.623	FINAL	35.4	---	56.00	-20.57	N	GND
1.246	FINAL	30.0	---	56.00	-26.02	N	GND
1.246	FINAL	---	21.99	46.00	-24.01	N	GND
8.671	FINAL	22.5	---	60.00	-37.54	N	GND
8.671	FINAL	---	11.91	50.00	-38.09	N	GND
18.501	FINAL	---	13.67	50.00	-36.33	N	GND
18.501	FINAL	20.7	---	60.00	-39.35	N	GND

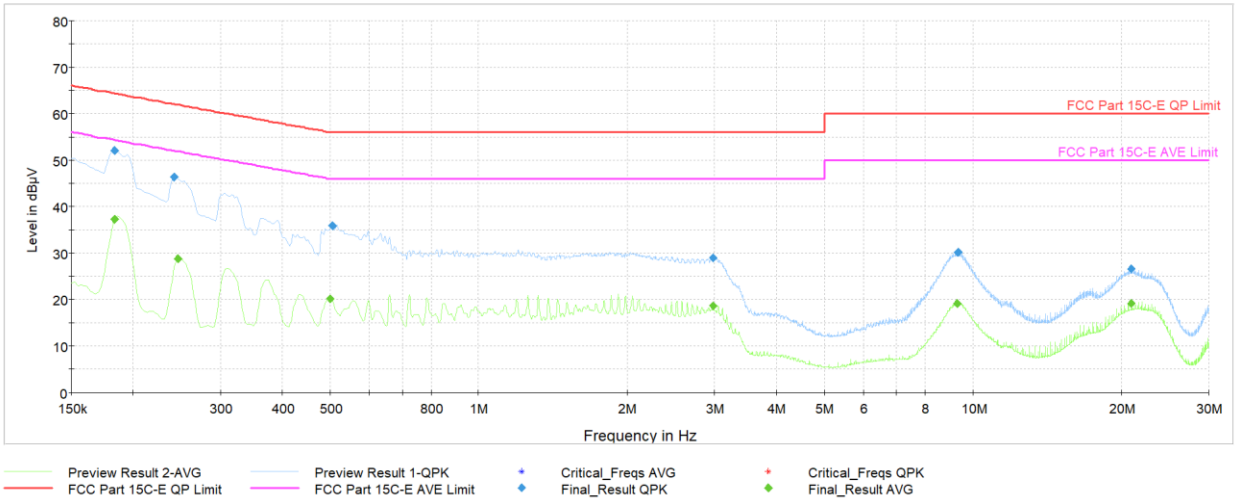
Table 7-70. AC Line Conducted Data with 802.11ax (RU242) Ch.6 CDD Primary (N, with Laptop)



Plot 7-307. AC Line Conducted Emissions with 802.11ax (RU26) Ch.6 CDD Diversity (L1, with Laptop)

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.188	FINAL	---	39.60	54.11	-14.51	L1	GND
0.188	FINAL	53.1	---	64.11	-11.05	L1	GND
0.242	FINAL	47.7	---	62.02	-14.36	L1	GND
0.249	FINAL	---	30.43	51.79	-21.36	L1	GND
0.506	FINAL	---	22.27	46.00	-23.73	L1	GND
0.508	FINAL	37.1	---	56.00	-18.89	L1	GND
2.978	FINAL	30.6	---	56.00	-25.38	L1	GND
2.981	FINAL	---	19.26	46.00	-26.74	L1	GND
9.463	FINAL	28.0	---	60.00	-31.98	L1	GND
9.474	FINAL	---	17.23	50.00	-32.77	L1	GND
20.555	FINAL	---	17.65	50.00	-32.35	L1	GND
20.558	FINAL	25.7	---	60.00	-34.34	L1	GND

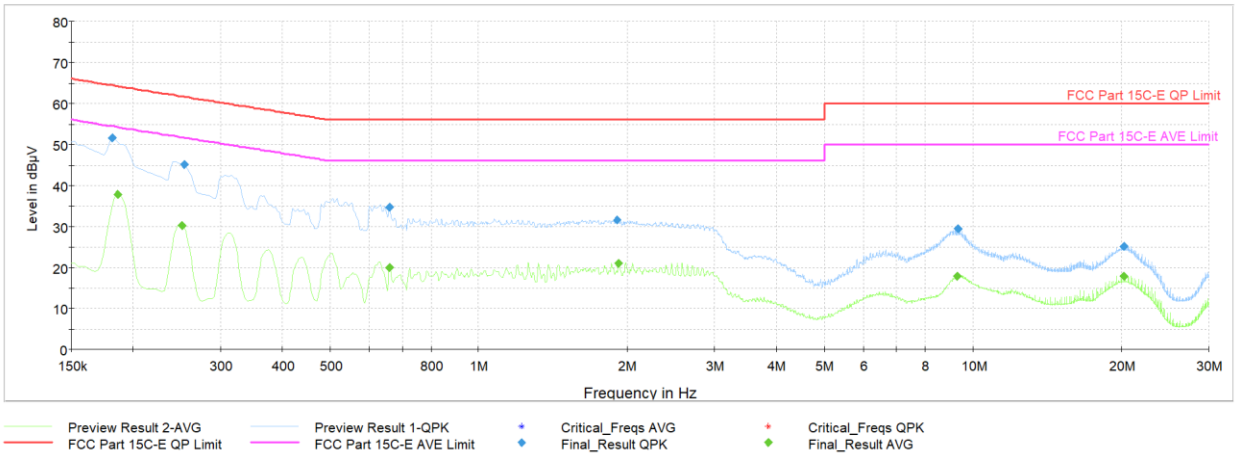
Table 7-71. AC Line Conducted Data with 802.11ax (RU26) Ch.6 CDD Diversity (L1, with Laptop)



Plot 7-308. AC Line Conducted Emissions with 802.11ax (RU26) Ch.6 CDD Diversity (N, with Laptop)

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.184	FINAL	---	37.31	54.31	-17.00	N	GND
0.184	FINAL	52.1	---	64.31	-12.23	N	GND
0.242	FINAL	46.3	---	62.02	-15.70	N	GND
0.247	FINAL	---	28.85	51.87	-23.01	N	GND
0.501	FINAL	---	20.12	46.00	-25.88	N	GND
0.506	FINAL	35.8	---	56.00	-20.18	N	GND
2.974	FINAL	28.9	---	56.00	-27.06	N	GND
2.983	FINAL	---	18.62	46.00	-27.38	N	GND
9.308	FINAL	---	19.10	50.00	-30.90	N	GND
9.314	FINAL	30.1	---	60.00	-29.88	N	GND
20.888	FINAL	26.5	---	60.00	-33.51	N	GND
20.891	FINAL	---	19.11	50.00	-30.89	N	GND

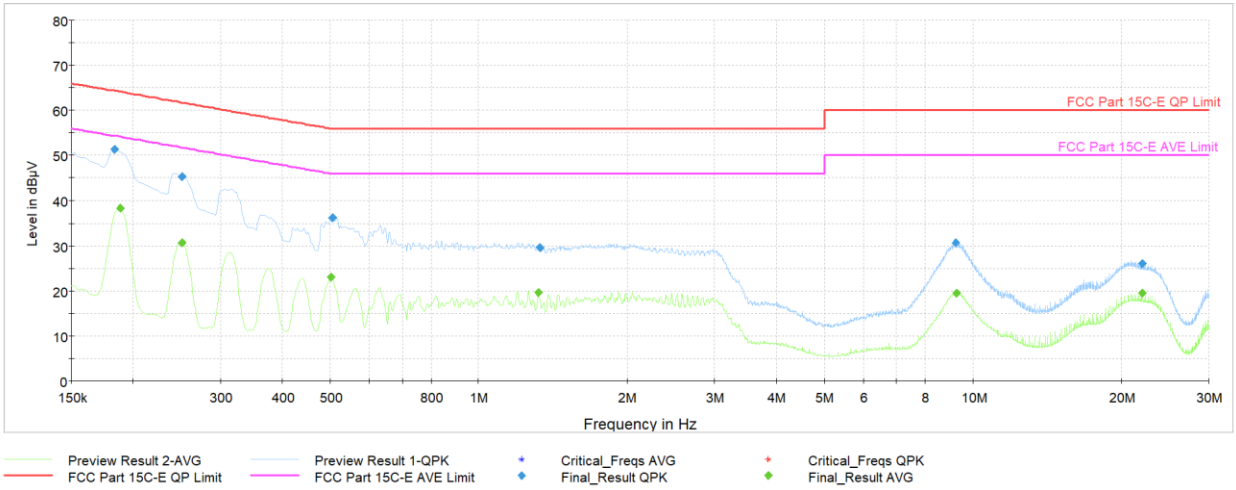
Table 7-72. AC Line Conducted Data with 802.11ax (RU26) Ch.6 CDD Diversity (N, with Laptop)



Plot 7-309. AC Line Conducted Emissions with 802.11ax (RU242) Ch.6 CDD Diversity (L1, with Laptop)

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.182	FINAL	51.5	---	64.42	-12.89	L1	GND
0.186	FINAL	---	37.77	54.21	-16.45	L1	GND
0.251	FINAL	---	30.27	51.72	-21.44	L1	GND
0.254	FINAL	45.1	---	61.64	-16.51	L1	GND
0.661	FINAL	---	19.98	46.00	-26.02	L1	GND
0.661	FINAL	34.7	---	56.00	-21.27	L1	GND
1.901	FINAL	31.5	---	56.00	-24.46	L1	GND
1.919	FINAL	---	21.04	46.00	-24.96	L1	GND
9.310	FINAL	---	17.89	50.00	-32.11	L1	GND
9.314	FINAL	29.4	---	60.00	-30.60	L1	GND
20.222	FINAL	25.2	---	60.00	-34.82	L1	GND
20.225	FINAL	---	17.93	50.00	-32.07	L1	GND

Table 7-73. AC Line Conducted Data with 802.11ax (RU242) Ch.6 CDD Diversity (L1, with Laptop)



Plot 7-310. AC Line Conducted Emissions with 802.11ax (RU242) Ch.6 CDD Diversity (N, with Laptop)

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.184	FINAL	51.3	---	64.31	-13.06	N	GND
0.188	FINAL	---	38.32	54.11	-15.80	N	GND
0.251	FINAL	---	30.69	51.72	-21.03	N	GND
0.251	FINAL	45.3	---	61.72	-16.42	N	GND
0.503	FINAL	---	23.04	46.00	-22.96	N	GND
0.506	FINAL	36.2	---	56.00	-19.76	N	GND
1.322	FINAL	---	19.67	46.00	-26.33	N	GND
1.329	FINAL	29.6	---	56.00	-26.42	N	GND
9.240	FINAL	30.6	---	60.00	-29.36	N	GND
9.249	FINAL	---	19.39	50.00	-30.61	N	GND
22.002	FINAL	---	19.33	50.00	-30.67	N	GND
22.002	FINAL	26.1	---	60.00	-33.90	N	GND

Table 7-74. AC Line Conducted Data with 802.11ax (RU242) Ch.6 CDD Diversity (N, with Laptop)

8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Apple Tablet Device FCC ID: BCGA2925, IC: 579C-A2925** is in compliance with Part 15 Subpart C (15.247) of the FCC Rules and RSS-247 of the Innovation, Science and Economic Development Canada Rules.