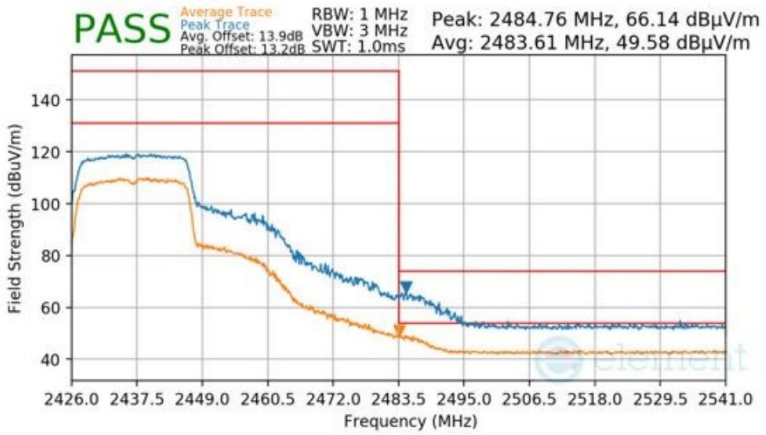
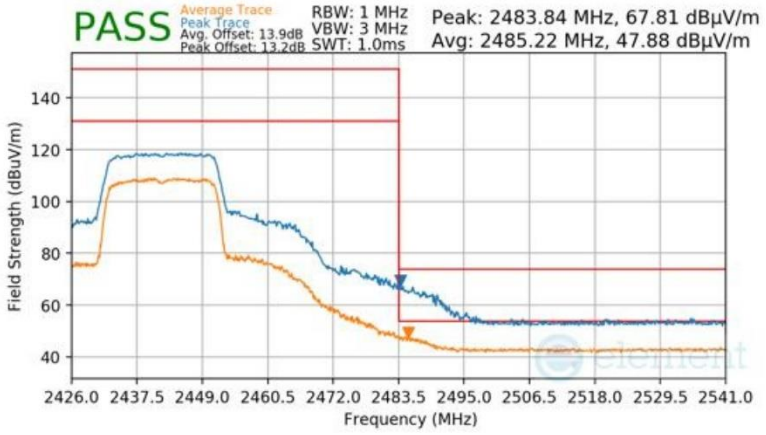
Mode	802.11ax-SU
Data Rate	MCS9
Distance of Measurement	3 Meters
Operating Frequency	2437MHz
Channel	6



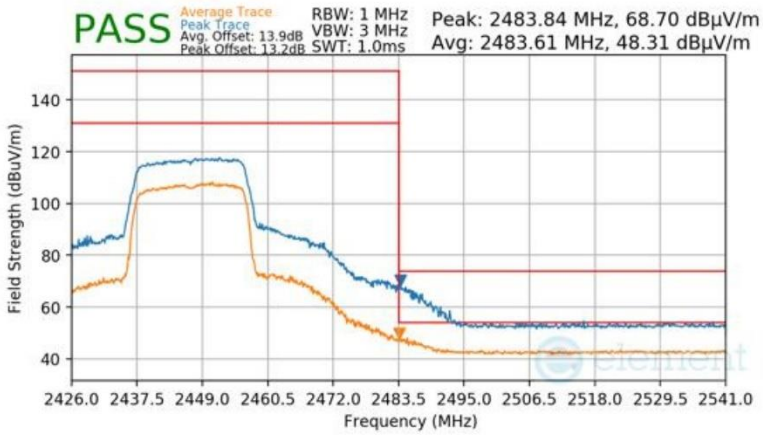
Plot 7-157 Radiated Restricted Upper Band Edge Measurement Antenna 3a

Mode	802.11ax-SU
Data Rate	MCS9
Distance of Measurement	3 Meters
Operating Frequency	2442MHz
Channel	7



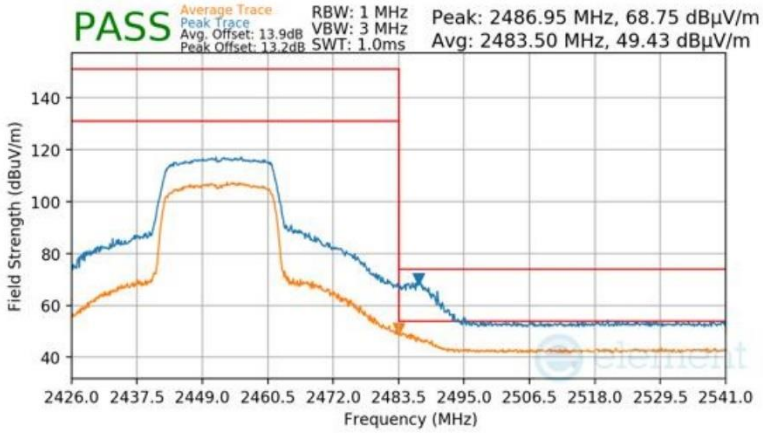
Plot 7-158 Radiated Restricted Upper Band Edge Measurement Antenna 3a

Mode	802.11ax-SU
Data Rate	MCS9
Distance of Measurement	3 Meters
Operating Frequency	2447MHz
Channel	8



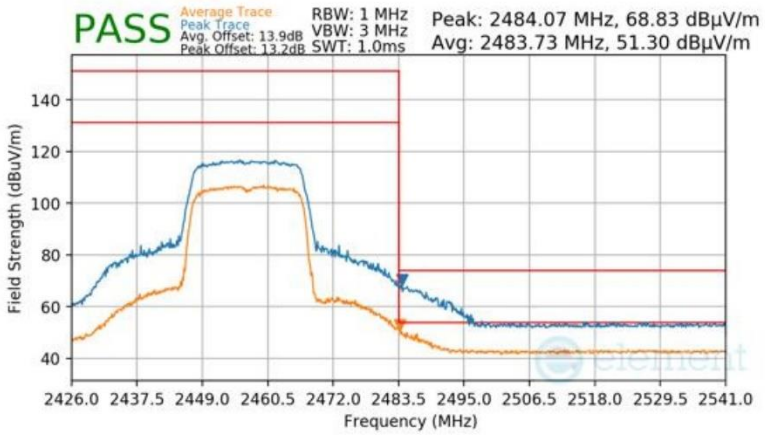
Plot 7-159 Radiated Restricted Upper Band Edge Measurement Antenna 3a

Mode	802.11ax-SU
Data Rate	MCS9
Distance of Measurement	3 Meters
Operating Frequency	2452MHz
Channel	9



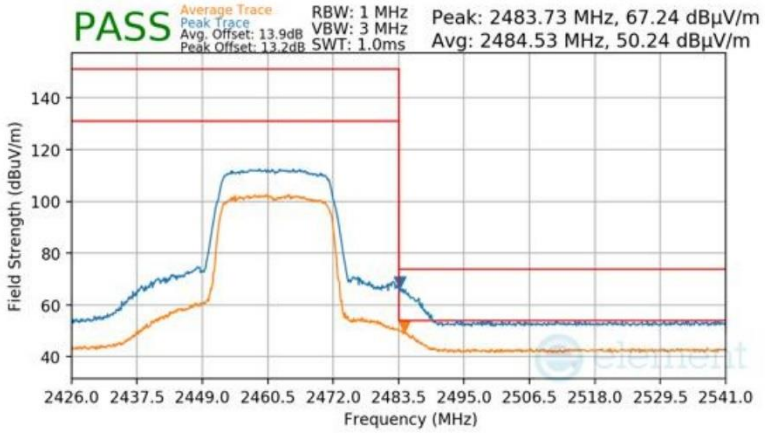
Plot 7-160 Radiated Restricted Upper Band Edge Measurement Antenna 3a

Mode	802.11ax-SU
Data Rate	MCS9
Distance of Measurement	3 Meters
Operating Frequency	2457MHz
Channel	10



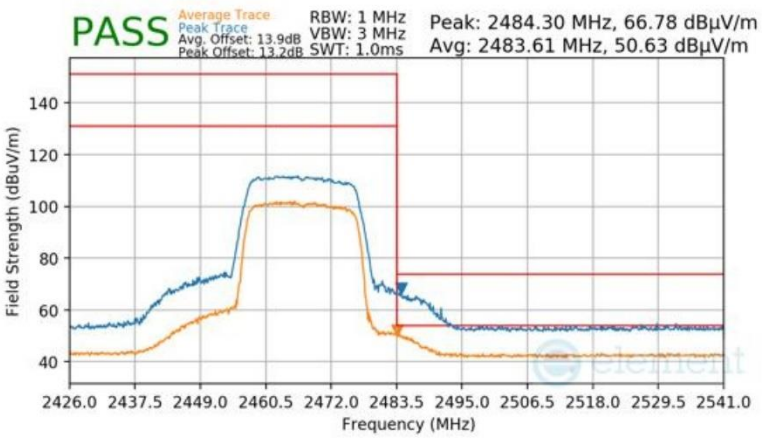
Plot 7-161 Radiated Restricted Upper Band Edge Measurement Antenna 3a

Mode	802.11ax-SU
Data Rate	MCS9
Distance of Measurement	3 Meters
Operating Frequency	2462MHz
Channel	11



Plot 7-162 Radiated Restricted Upper Band Edge Measurement Antenna 3a

Mode	802.11ax-SU
Data Rate	MCS9
Distance of Measurement	3 Meters
Operating Frequency	2467MHz
Channel	12

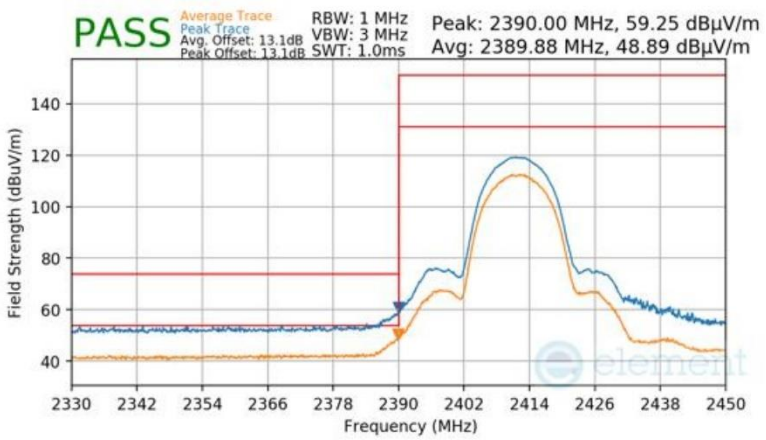


Plot 7-163 Radiated Restricted Upper Band Edge Measurement Antenna 3a

7.7.3 Antenna 1a Radiated Restricted Band Edge Measurements

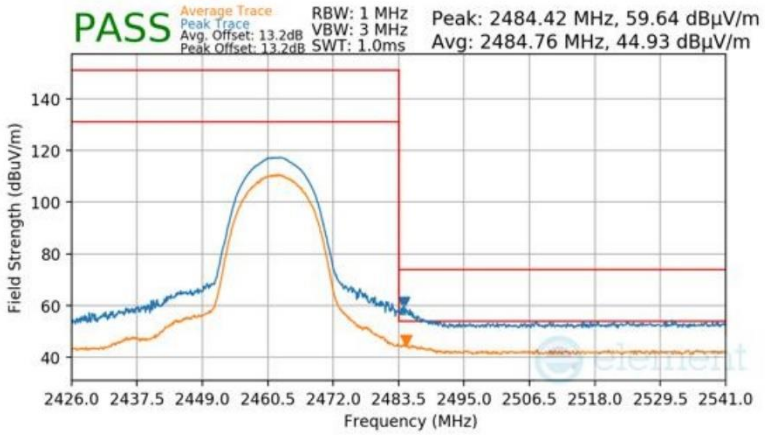
§15.205 §15.209; RSS-Gen [8.9]

Mode	802.11b
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	2412MHz
Channel	1



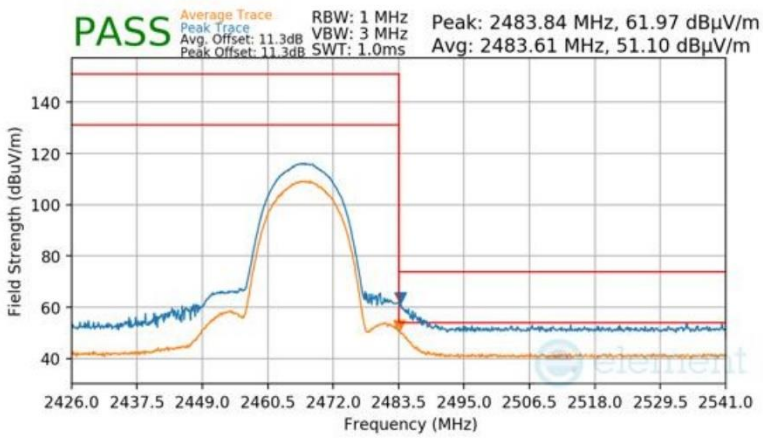
Plot 7-164 Radiated Restricted Lower Band Edge Measurement Antenna 1a

Mode	802.11b
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	2462MHz
Channel	11



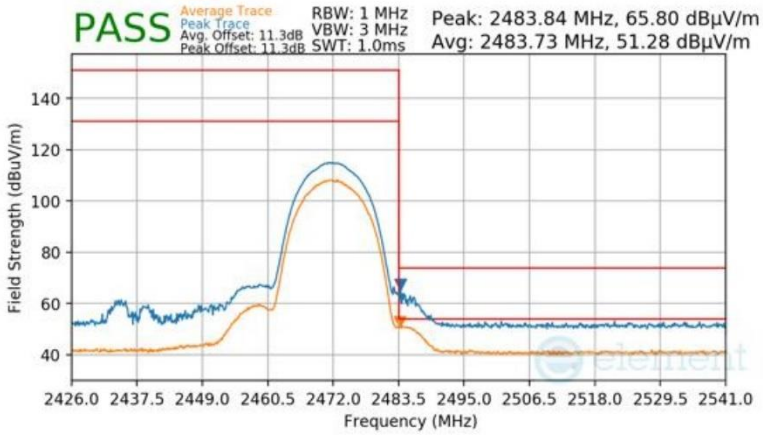
Plot 7-165 Radiated Restricted Upper Band Edge Measurement Antenna 1a

Mode	802.11b
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	2467MHz
Channel	12



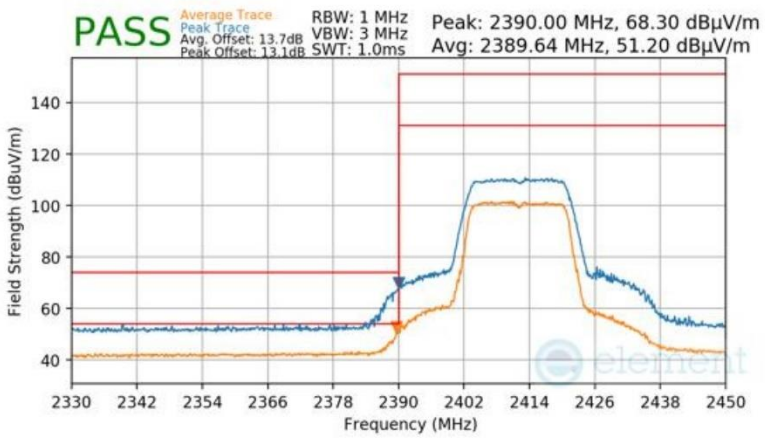
Plot 7-166 Radiated Restricted Upper Band Edge Measurement Antenna 1a

Mode	802.11b
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	2472MHz
Channel	13



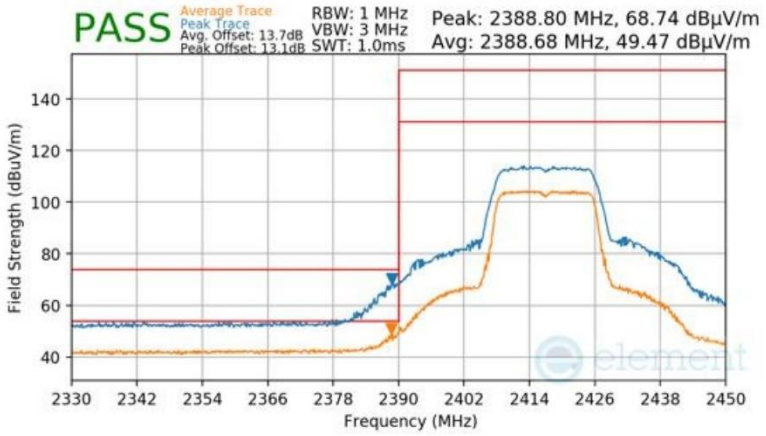
Plot 7-167 Radiated Restricted Upper Band Edge Measurement Antenna 1a

Mode	802.11n
Data Rate	MCS7
Distance of Measurement	3 Meters
Operating Frequency	2412MHz
Channel	1



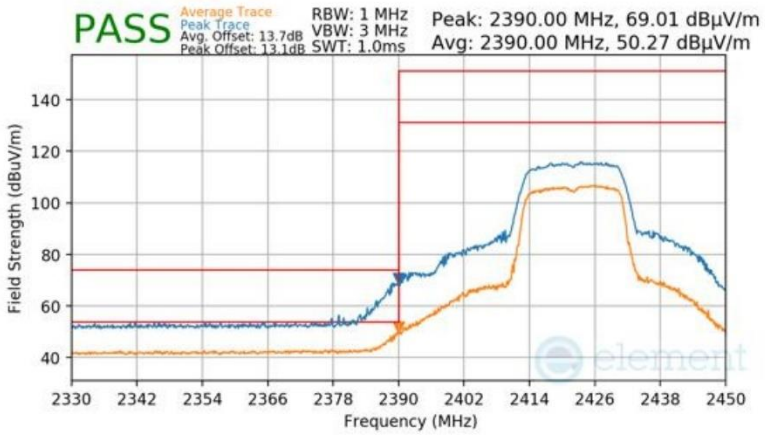
Plot 7-168 Radiated Restricted Lower Band Edge Measurement Antenna 1a

Mode	802.11n
Data Rate	MCS7
Distance of Measurement	3 Meters
Operating Frequency	2417MHz
Channel	2



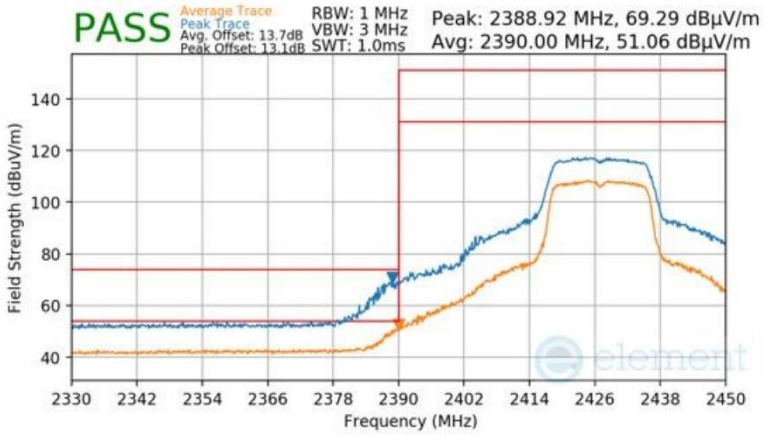
Plot 7-169 Radiated Restricted Lower Band Edge Measurement Antenna 1a

Mode	802.11n
Data Rate	MCS7
Distance of Measurement	3 Meters
Operating Frequency	2422MHz
Channel	3



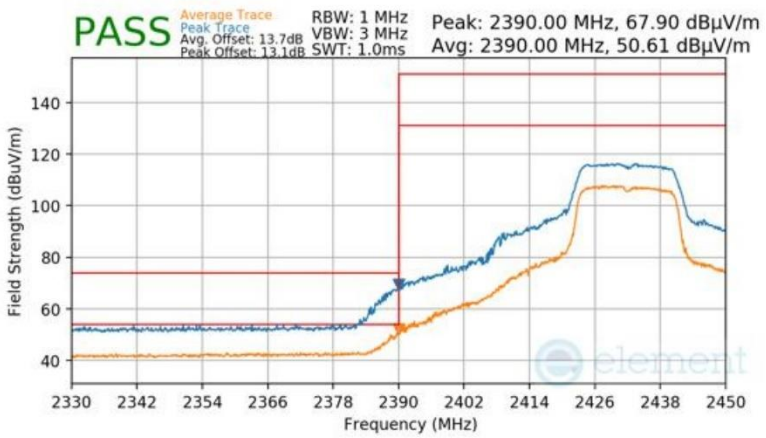
Plot 7-170 Radiated Restricted Lower Band Edge Measurement Antenna 1a

Mode	802.11n
Data Rate	MCS7
Distance of Measurement	3 Meters
Operating Frequency	2427MHz
Channel	4



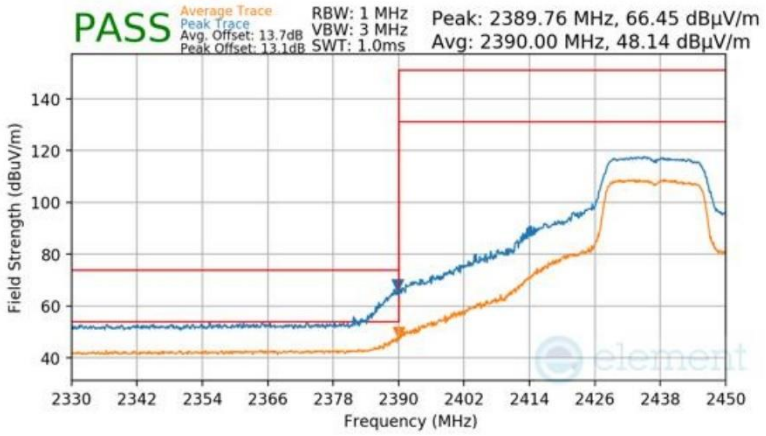
Plot 7-171 Radiated Restricted Lower Band Edge Measurement Antenna 1a

Mode	802.11n
Data Rate	MCS7
Distance of Measurement	3 Meters
Operating Frequency	2432MHz
Channel	5



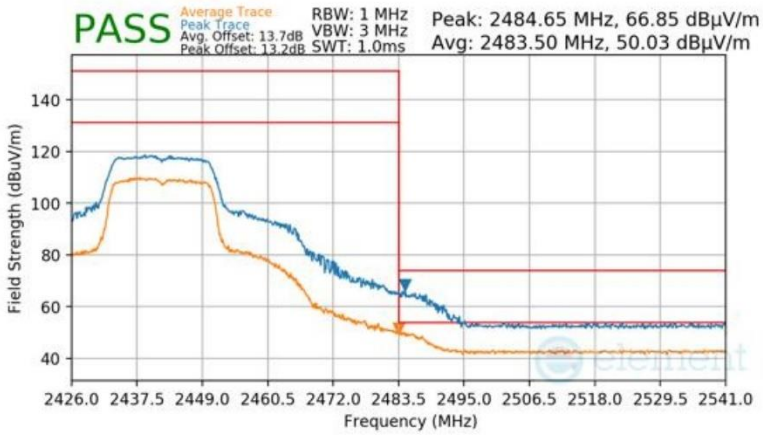
Plot 7-172 Radiated Restricted Lower Band Edge Measurement Antenna 1a

Mode	802.11n
Data Rate	MCS7
Distance of Measurement	3 Meters
Operating Frequency	2437MHz
Channel	6



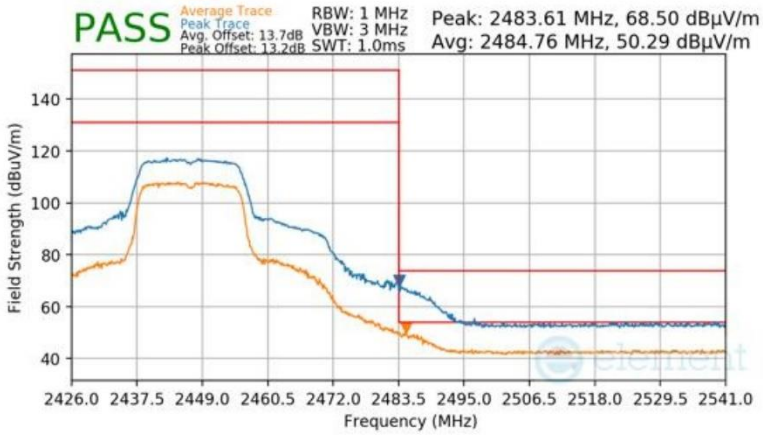
Plot 7-173 Radiated Restricted Lower Band Edge Measurement Antenna 1a

Mode	802.11n
Data Rate	MCS7
Distance of Measurement	3 Meters
Operating Frequency	2442MHz
Channel	7



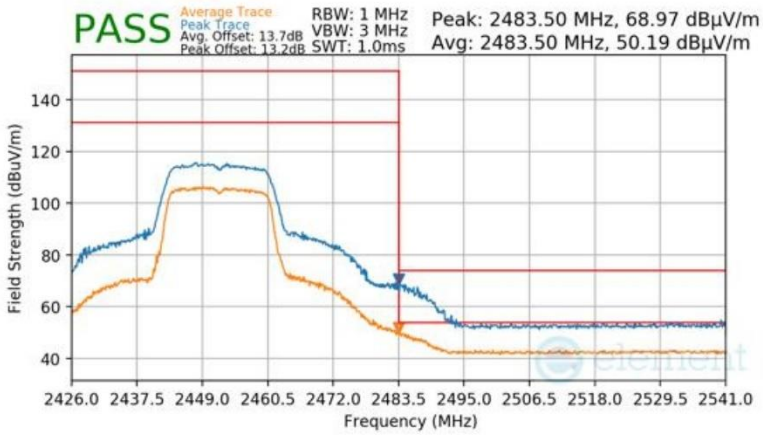
Plot 7-174 Radiated Restricted Upper Band Edge Measurement Antenna 1a

Mode	802.11n
Data Rate	MCS7
Distance of Measurement	3 Meters
Operating Frequency	2447MHz
Channel	8



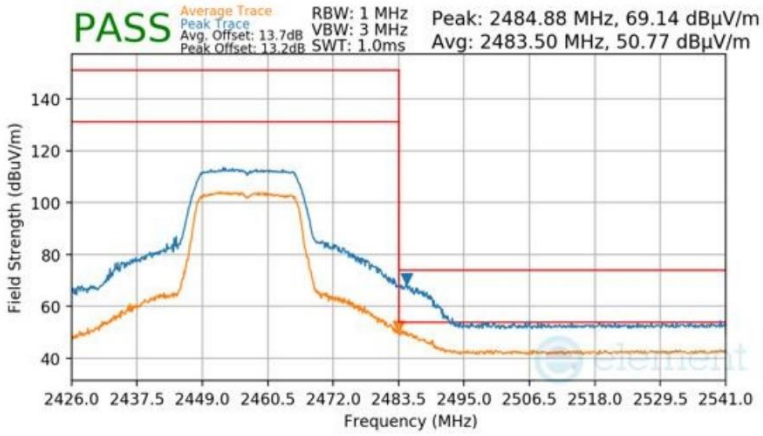
Plot 7-175 Radiated Restricted Upper Band Edge Measurement Antenna 1a

Mode	802.11n
Data Rate	MCS7
Distance of Measurement	3 Meters
Operating Frequency	2452MHz
Channel	9



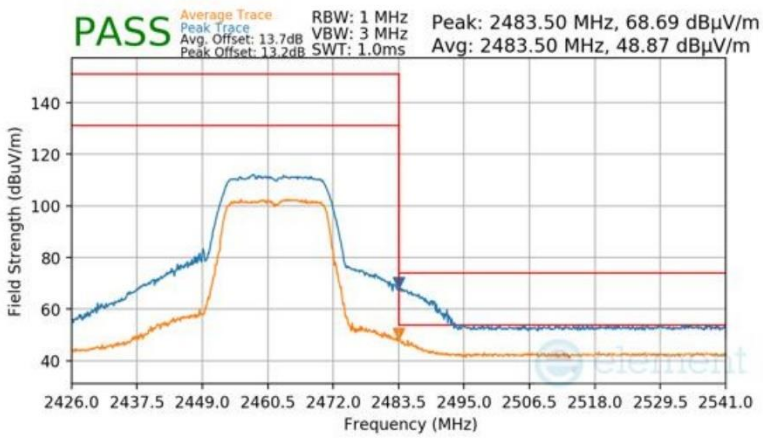
Plot 7-176 Radiated Restricted Upper Band Edge Measurement Antenna 1a

Mode	802.11n
Data Rate	MCS7
Distance of Measurement	3 Meters
Operating Frequency	2457MHz
Channel	10



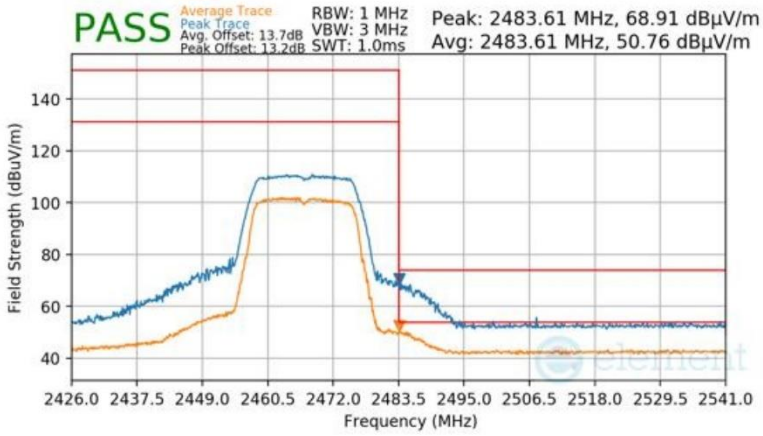
Plot 7-177 Radiated Restricted Upper Band Edge Measurement Antenna 1a

Mode	802.11n
Data Rate	MCS7
Distance of Measurement	3 Meters
Operating Frequency	2462MHz
Channel	11



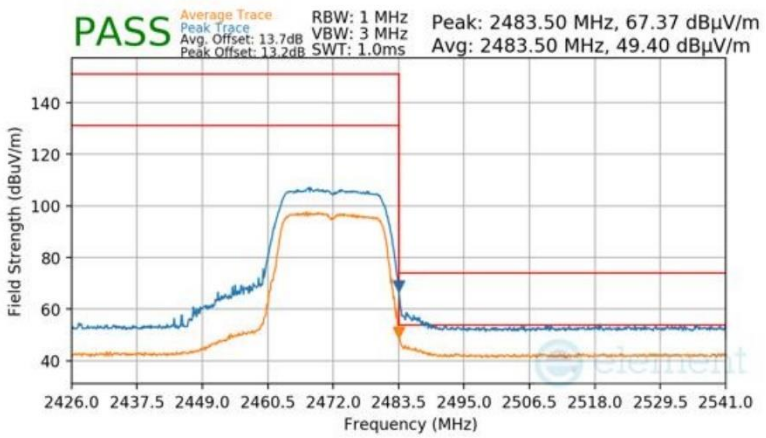
Plot 7-178 Radiated Restricted Upper Band Edge Measurement Antenna 1a

Mode	802.11n
Data Rate	MCS7
Distance of Measurement	3 Meters
Operating Frequency	2467MHz
Channel	12



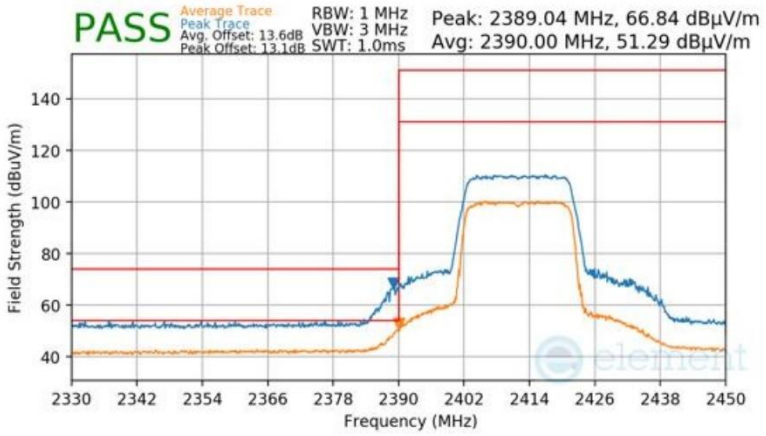
Plot 7-179 Radiated Restricted Upper Band Edge Measurement Antenna 1a

Mode	802.11n
Data Rate	MCS7
Distance of Measurement	3 Meters
Operating Frequency	2472MHz
Channel	13



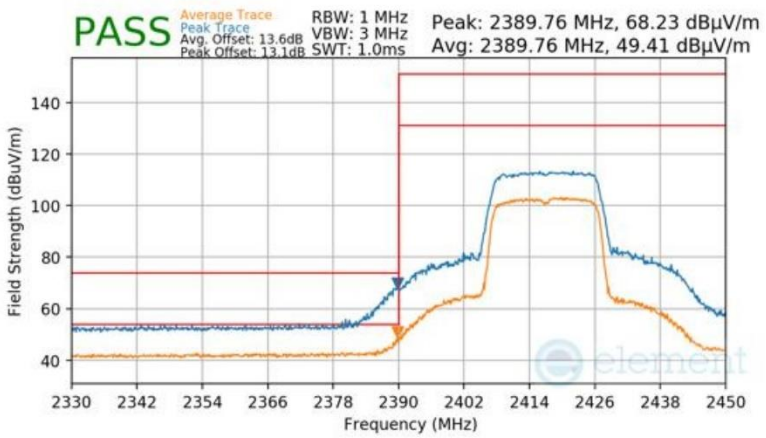
Plot 7-180 Radiated Restricted Upper Band Edge Measurement Antenna 1a

Mode	802.11ax-SU
Data Rate	MCS9
Distance of Measurement	3 Meters
Operating Frequency	2412MHz
Channel	1



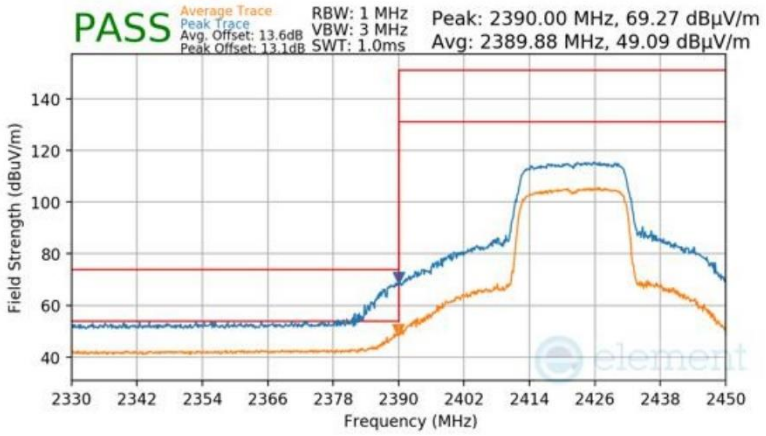
Plot 7-181 Radiated Restricted Lower Band Edge Measurement Antenna 1a

Mode	802.11ax-SU
Data Rate	MCS9
Distance of Measurement	3 Meters
Operating Frequency	2417MHz
Channel	2



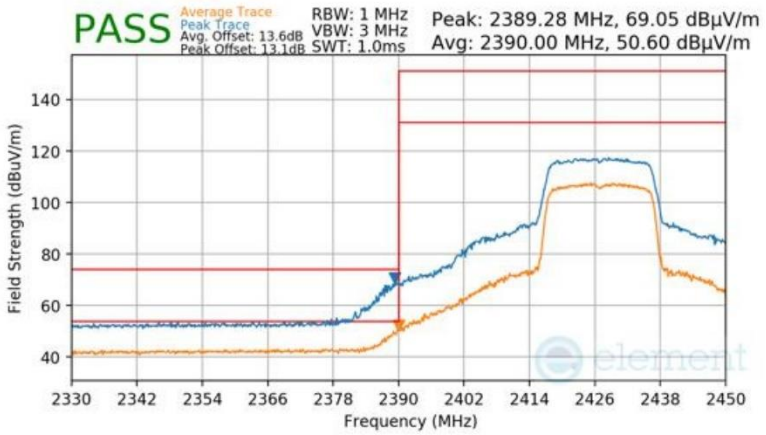
Plot 7-182 Radiated Restricted Lower Band Edge Measurement Antenna 1a

Mode	802.11ax-SU
Data Rate	MCS9
Distance of Measurement	3 Meters
Operating Frequency	2422MHz
Channel	3



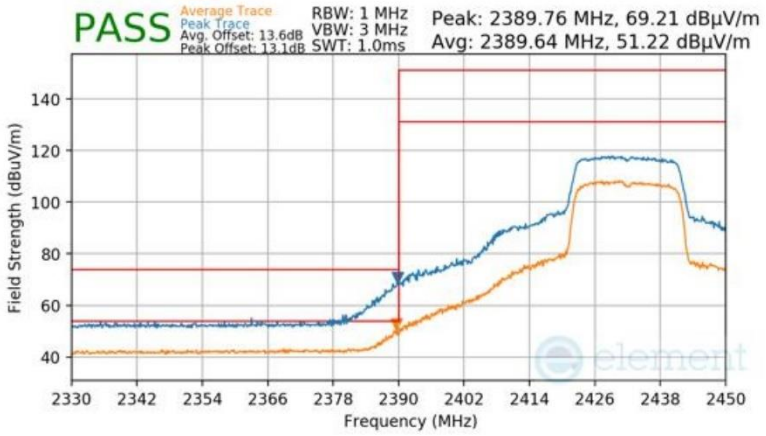
Plot 7-183 Radiated Restricted Lower Band Edge Measurement Antenna 1a

Mode	802.11ax-SU
Data Rate	MCS9
Distance of Measurement	3 Meters
Operating Frequency	2427MHz
Channel	4



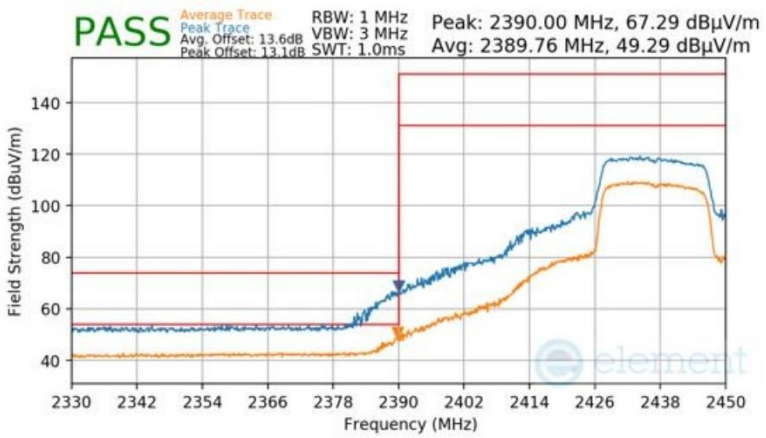
Plot 7-184 Radiated Restricted Lower Band Edge Measurement Antenna 1a

Mode	802.11ax-SU
Data Rate	MCS9
Distance of Measurement	3 Meters
Operating Frequency	2432MHz
Channel	5



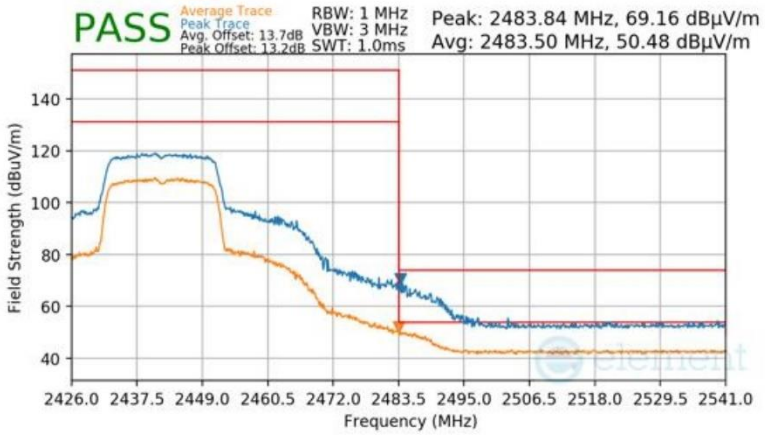
Plot 7-185 Radiated Restricted Lower Band Edge Measurement Antenna 1a

Mode	802.11ax-SU
Data Rate	MCS9
Distance of Measurement	3 Meters
Operating Frequency	2437MHz
Channel	6



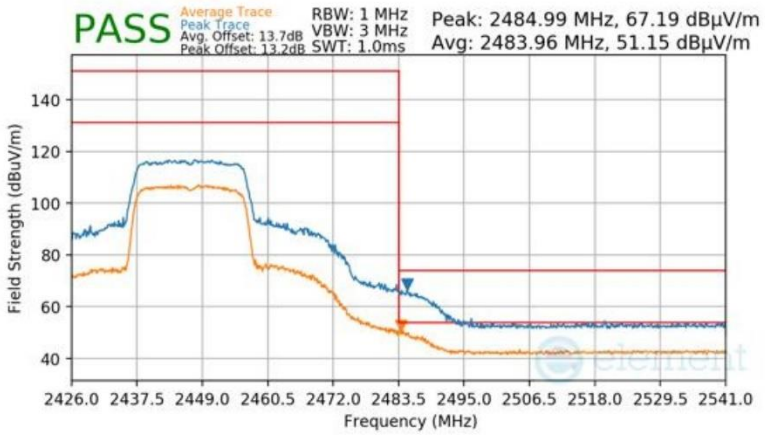
Plot 7-186 Radiated Restricted Lower Band Edge Measurement Antenna 1a

Mode	802.11ax-SU
Data Rate	MCS9
Distance of Measurement	3 Meters
Operating Frequency	2442MHz
Channel	7



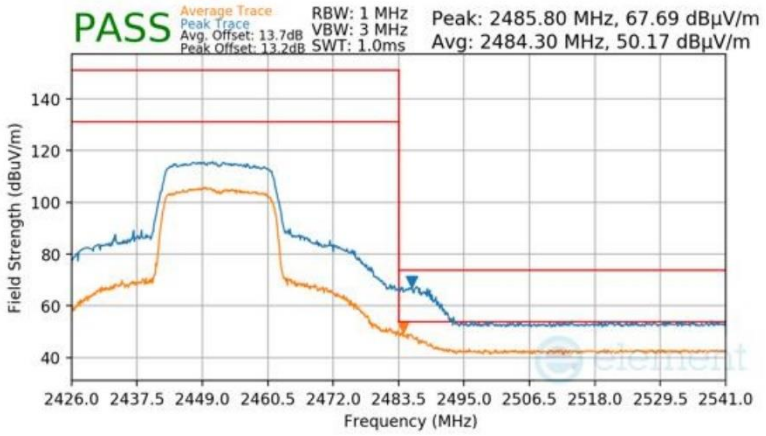
Plot 7-187 Radiated Restricted Upper Band Edge Measurement Antenna 1a

Mode	802.11ax-SU
Data Rate	MCS9
Distance of Measurement	3 Meters
Operating Frequency	2447MHz
Channel	8



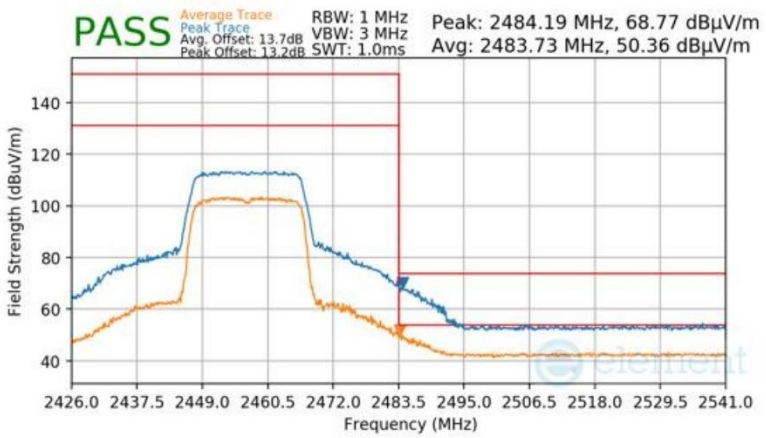
Plot 7-188 Radiated Restricted Upper Band Edge Measurement Antenna 1a

Mode	802.11ax-SU
Data Rate	MCS9
Distance of Measurement	3 Meters
Operating Frequency	2452MHz
Channel	9



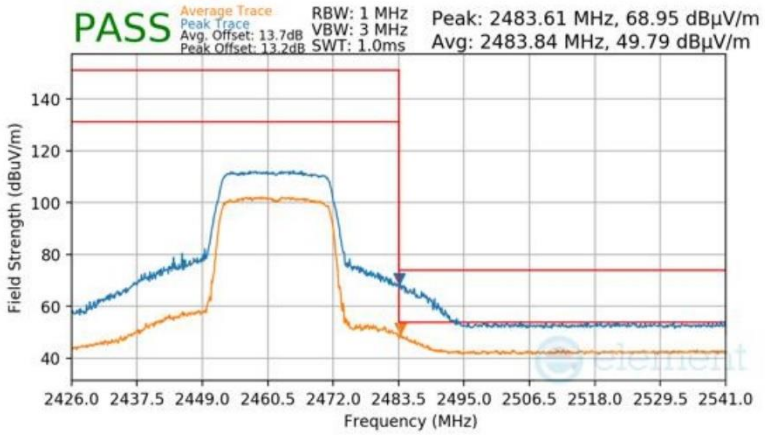
Plot 7-189 Radiated Restricted Upper Band Edge Measurement Antenna 1a

Mode	802.11ax-SU
Data Rate	MCS9
Distance of Measurement	3 Meters
Operating Frequency	2457MHz
Channel	10



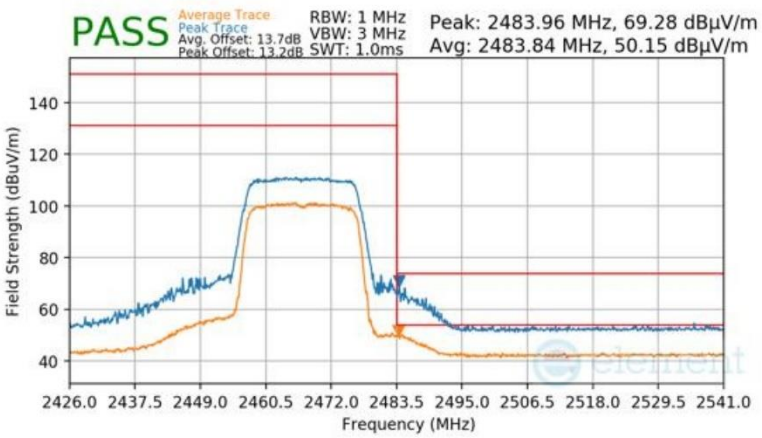
Plot 7-190 Radiated Restricted Upper Band Edge Measurement Antenna 1a

Mode	802.11ax-SU
Data Rate	MCS9
Distance of Measurement	3 Meters
Operating Frequency	2462MHz
Channel	11



Plot 7-191 Radiated Restricted Upper Band Edge Measurement Antenna 1a

Mode	802.11ax-SU
Data Rate	MCS9
Distance of Measurement	3 Meters
Operating Frequency	2467MHz
Channel	12

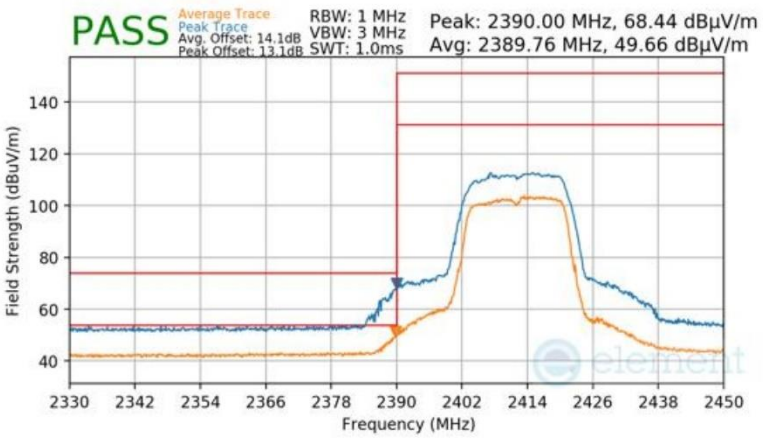


Plot 7-192 Radiated Restricted Upper Band Edge Measurement Antenna 1a

7.7.4 CDD Radiated Restricted Band Edge Measurements

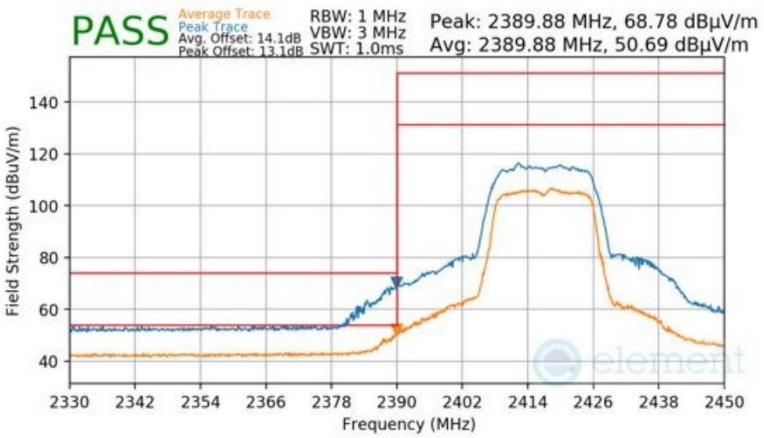
§15.205 §15.209; RSS-Gen [8.9]

Mode	802.11n
Data Rate	MCS15
Distance of Measurement	3 Meters
Operating Frequency	2412MHz
Channel	1



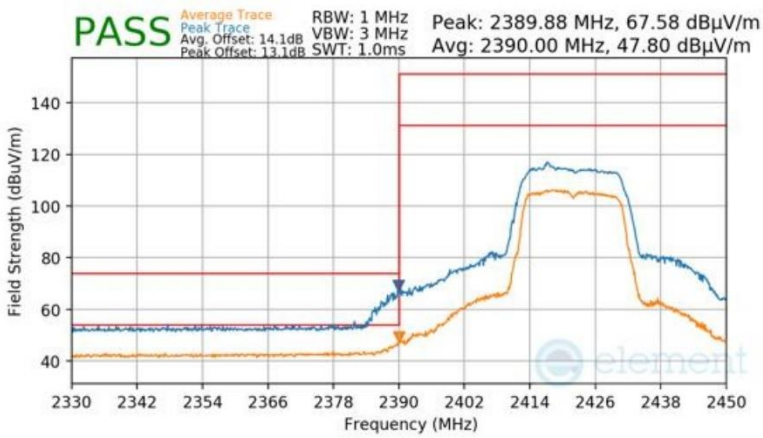
Plot 7-193 Radiated Restricted Lower Band Edge Measurement CDD

Mode	802.11n
Data Rate	MCS15
Distance of Measurement	3 Meters
Operating Frequency	2417MHz
Channel	2



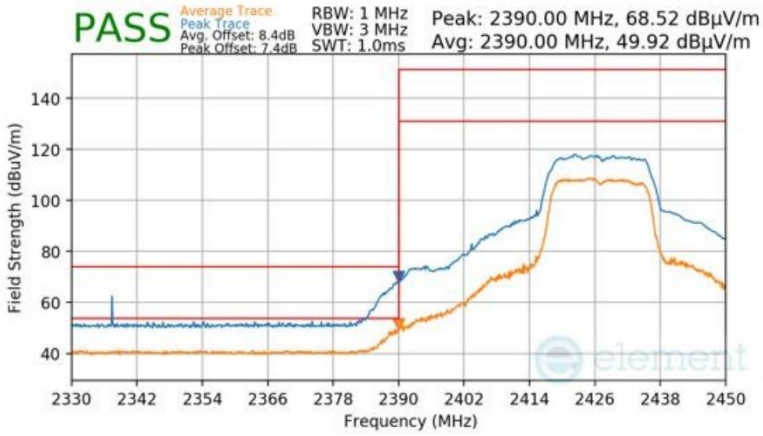
Plot 7-194 Radiated Restricted Lower Band Edge Measurement CDD

Mode	802.11n
Data Rate	MCS15
Distance of Measurement	3 Meters
Operating Frequency	2422MHz
Channel	3



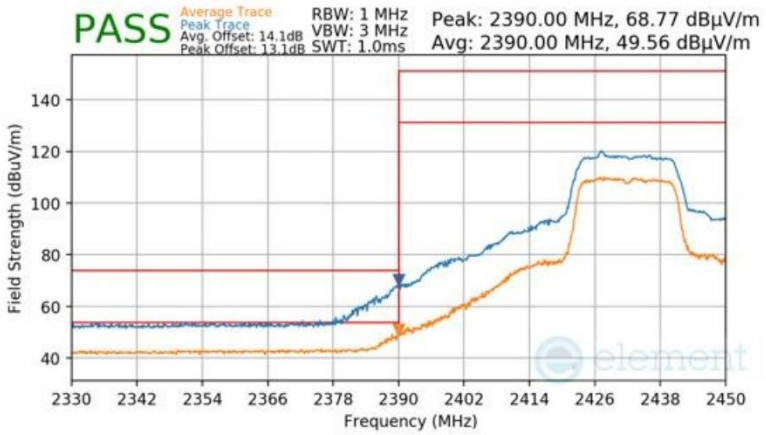
Plot 7-195 Radiated Restricted Lower Band Edge Measurement CDD

Mode	802.11n
Data Rate	MCS15
Distance of Measurement	3 Meters
Operating Frequency	2427MHz
Channel	4



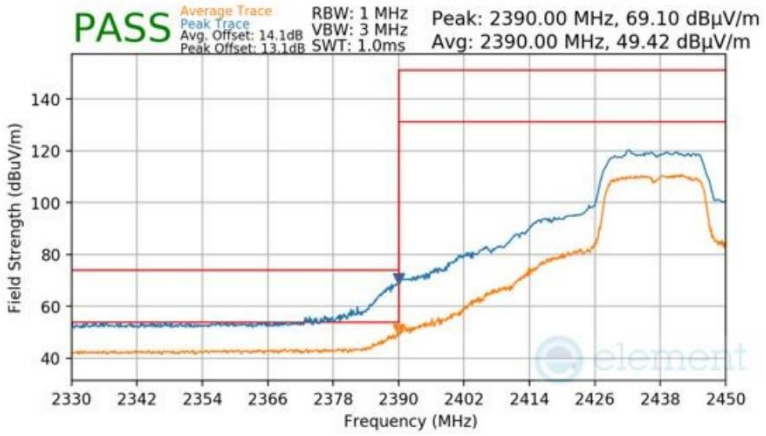
Plot 7-196 Radiated Restricted Lower Band Edge Measurement CDD

Mode	802.11n
Data Rate	MCS15
Distance of Measurement	3 Meters
Operating Frequency	2432MHz
Channel	5



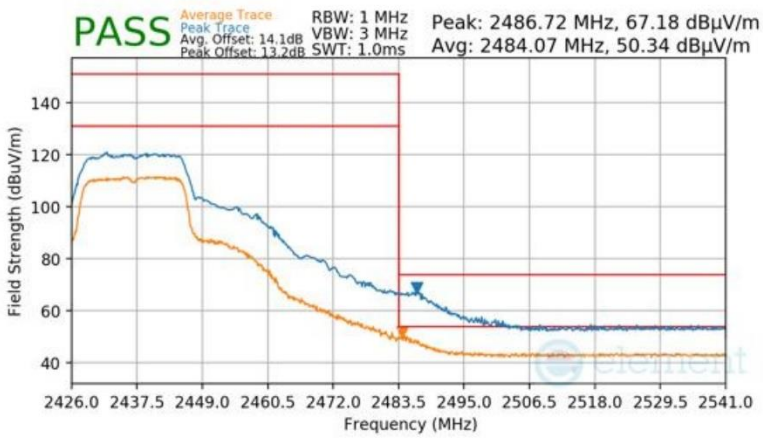
Plot 7-197 Radiated Restricted Lower Band Edge Measurement CDD

Mode	802.11n
Data Rate	MCS15
Distance of Measurement	3 Meters
Operating Frequency	2437MHz
Channel	6



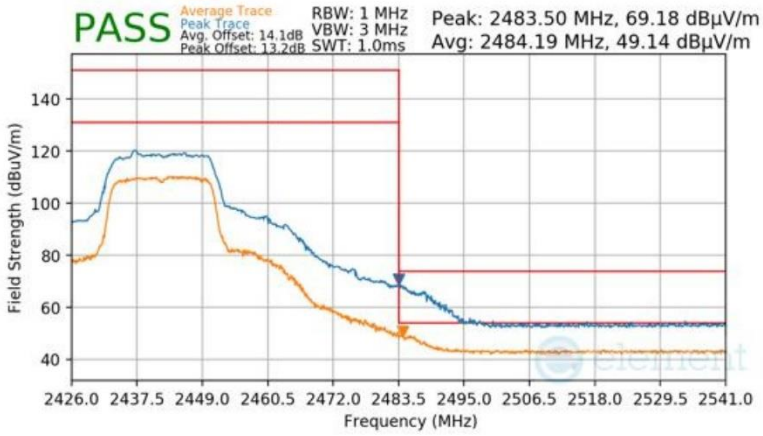
Plot 7-198 Radiated Restricted Lower Band Edge Measurement CDD

Mode	802.11n
Data Rate	MCS15
Distance of Measurement	3 Meters
Operating Frequency	2437MHz
Channel	6



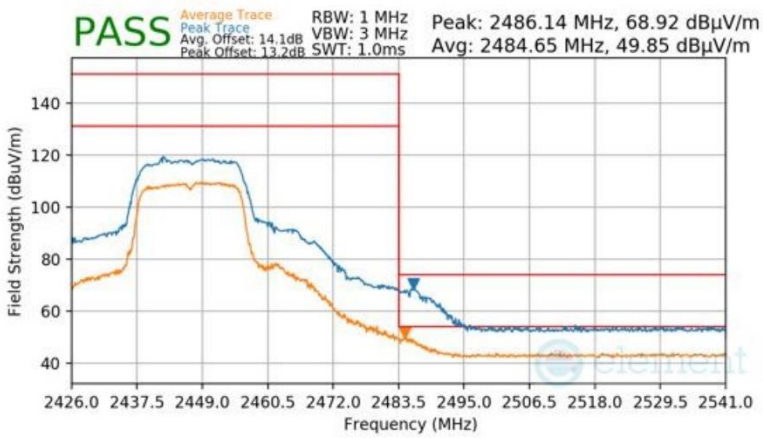
Plot 7-199 Radiated Restricted Upper Band Edge Measurement CDD

Mode	802.11n
Data Rate	MCS15
Distance of Measurement	3 Meters
Operating Frequency	2442MHz
Channel	7



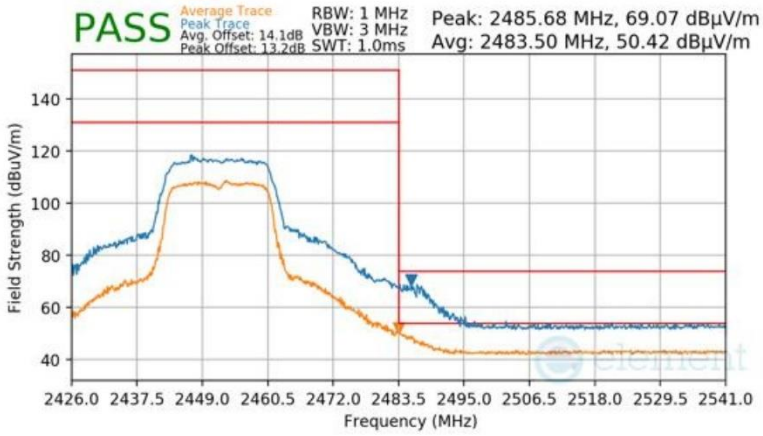
Plot 7-200 Radiated Restricted Upper Band Edge Measurement CDD

Mode	802.11n
Data Rate	MCS15
Distance of Measurement	3 Meters
Operating Frequency	2447MHz
Channel	8



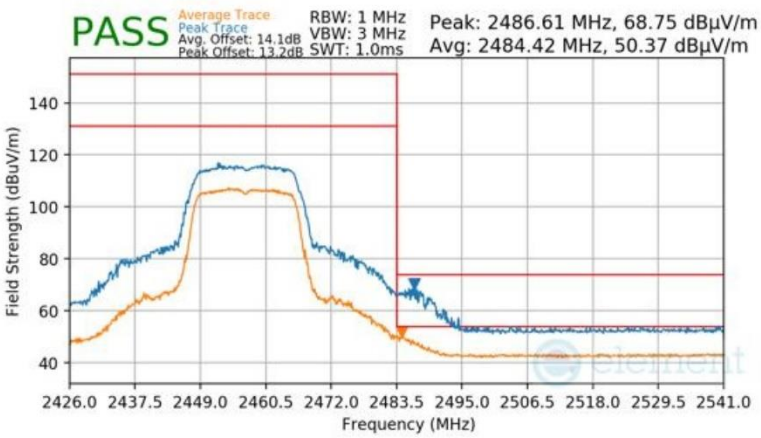
Plot 7-201 Radiated Restricted Upper Band Edge Measurement CDD

Mode	802.11n
Data Rate	MCS15
Distance of Measurement	3 Meters
Operating Frequency	2452MHz
Channel	9



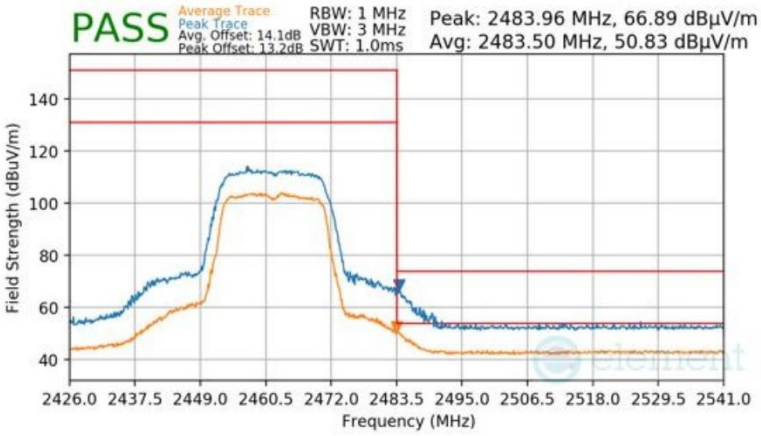
Plot 7-202 Radiated Restricted Upper Band Edge Measurement CDD

Mode	802.11n
Data Rate	MCS15
Distance of Measurement	3 Meters
Operating Frequency	2457MHz
Channel	10



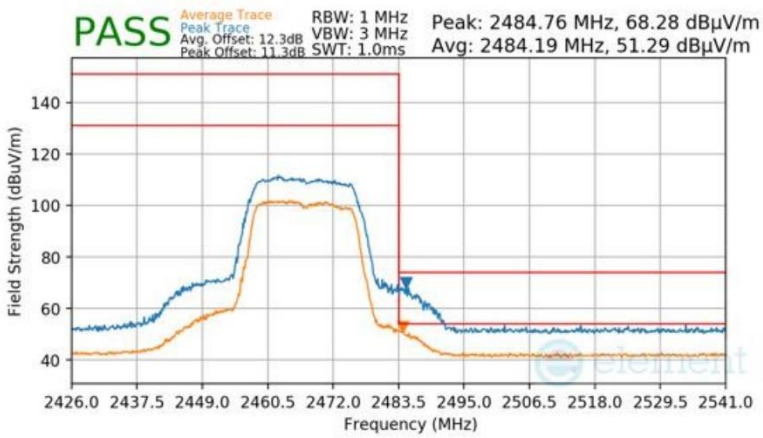
Plot 7-203 Radiated Restricted Upper Band Edge Measurement CDD

Mode	802.11n
Data Rate	MCS15
Distance of Measurement	3 Meters
Operating Frequency	2462MHz
Channel	11



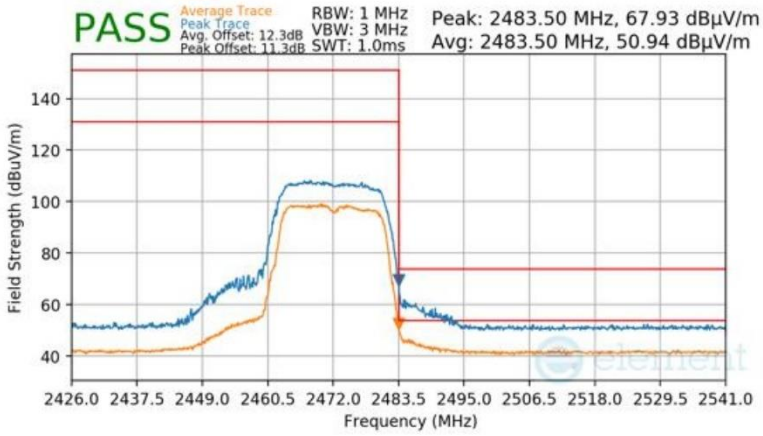
Plot 7-204 Radiated Restricted Upper Band Edge Measurement CDD

Mode	802.11n
Data Rate	MCS15
Distance of Measurement	3 Meters
Operating Frequency	2467MHz
Channel	12



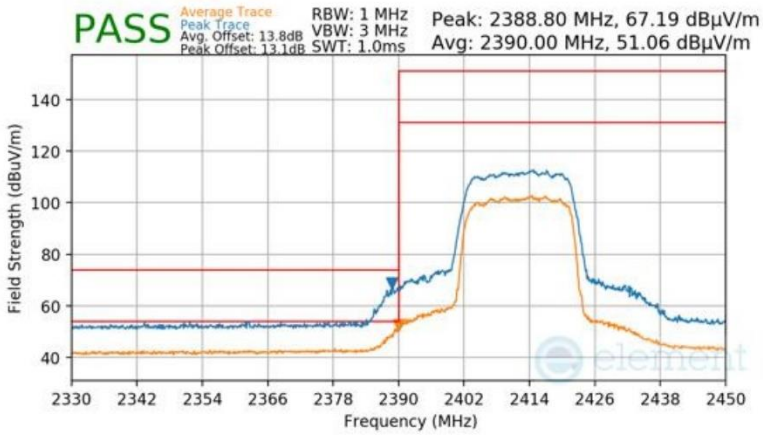
Plot 7-205 Radiated Restricted Upper Band Edge Measurement CDD

Mode	802.11n
Data Rate	MCS15
Distance of Measurement	3 Meters
Operating Frequency	2472MHz
Channel	13



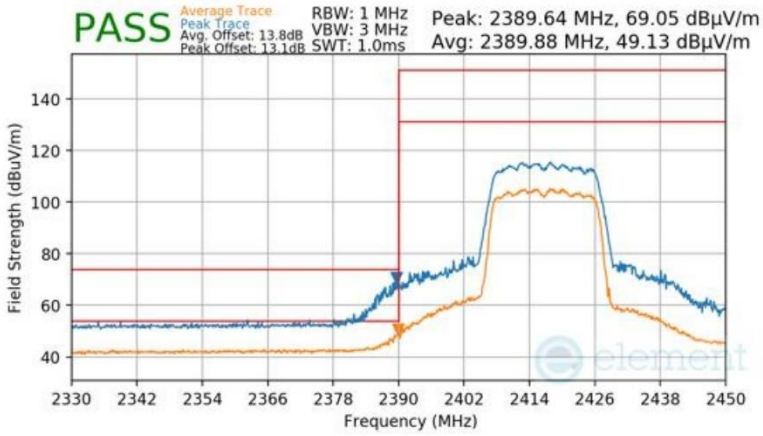
Plot 7-206 Radiated Restricted Upper Band Edge Measurement CDD

Mode	802.11ax-SU
Data Rate	MCS9
Distance of Measurement	3 Meters
Operating Frequency	2412MHz
Channel	1



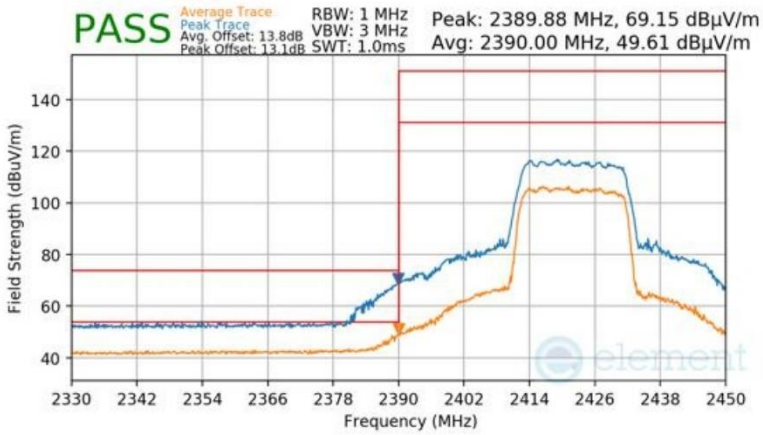
Plot 7-207 Radiated Restricted Lower Band Edge Measurement CDD

Mode	802.11ax-SU
Data Rate	MCS9
Distance of Measurement	3 Meters
Operating Frequency	2417MHz
Channel	2



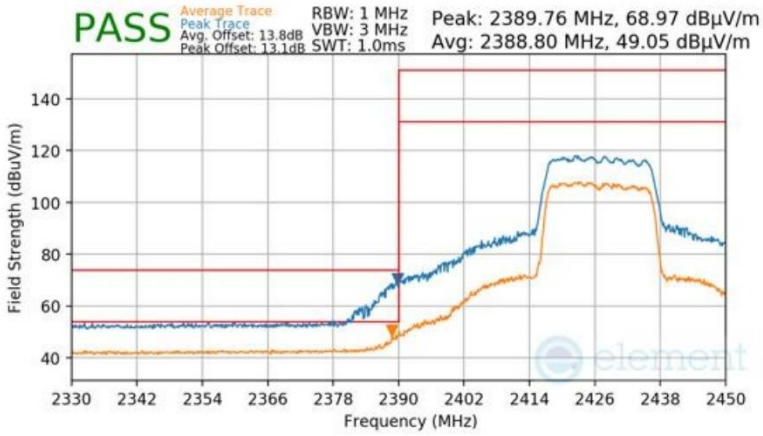
Plot 7-208 Radiated Restricted Lower Band Edge Measurement CDD

Mode	802.11ax-SU
Data Rate	MCS9
Distance of Measurement	3 Meters
Operating Frequency	2422MHz
Channel	3



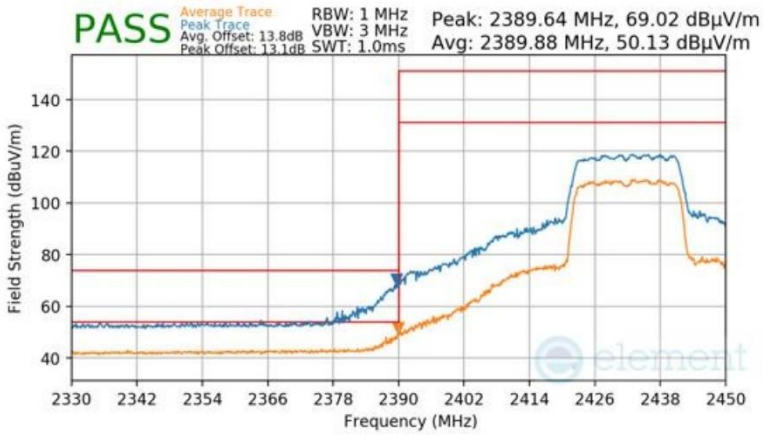
Plot 7-209 Radiated Restricted Lower Band Edge Measurement CDD

Mode	802.11ax-SU
Data Rate	MCS9
Distance of Measurement	3 Meters
Operating Frequency	2427MHz
Channel	4



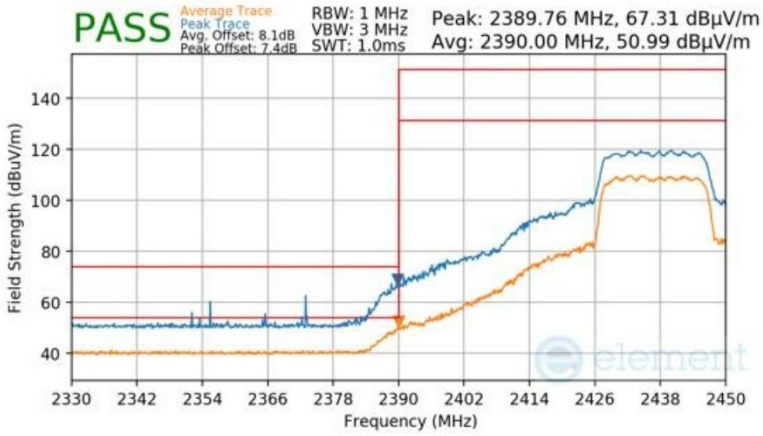
Plot 7-210 Radiated Restricted Lower Band Edge Measurement CDD

Mode	802.11ax-SU
Data Rate	MCS9
Distance of Measurement	3 Meters
Operating Frequency	2432MHz
Channel	5



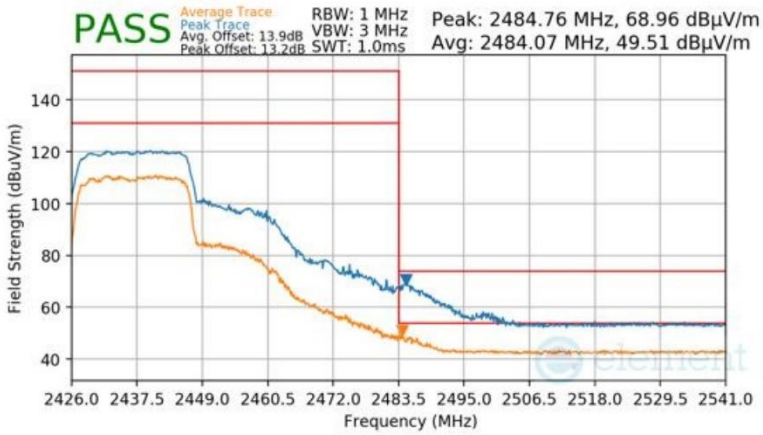
Plot 7-211 Radiated Restricted Lower Band Edge Measurement CDD

Mode	802.11ax-SU
Data Rate	MCS9
Distance of Measurement	3 Meters
Operating Frequency	2437MHz
Channel	6



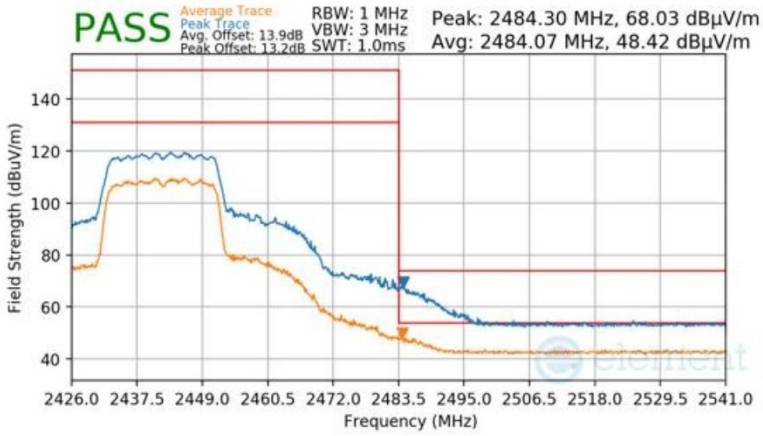
Plot 7-212 Radiated Restricted Lower Band Edge Measurement CDD

Mode	802.11ax-SU
Data Rate	MCS9
Distance of Measurement	3 Meters
Operating Frequency	2437MHz
Channel	6



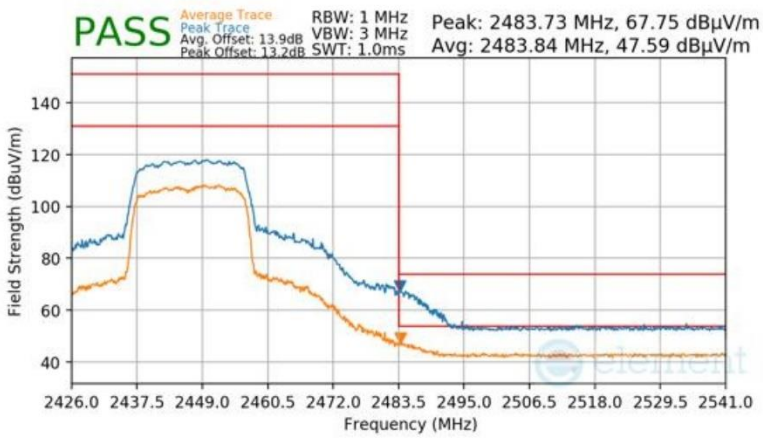
Plot 7-213 Radiated Restricted Upper Band Edge Measurement CDD

Mode	802.11ax-SU
Data Rate	MCS9
Distance of Measurement	3 Meters
Operating Frequency	2442MHz
Channel	7



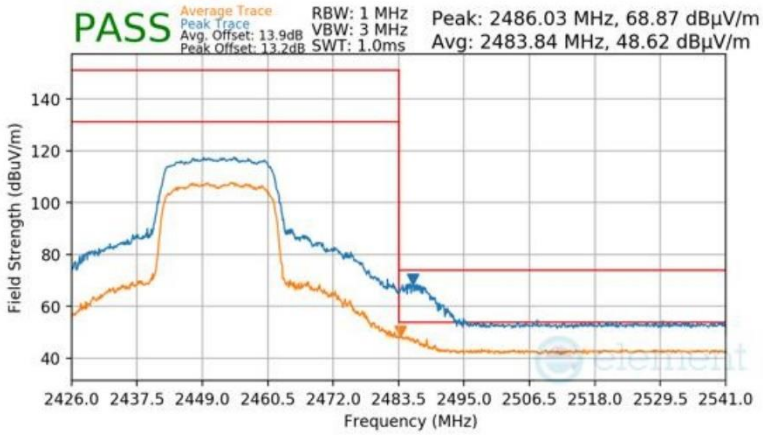
Plot 7-214 Radiated Restricted Upper Band Edge Measurement CDD

Mode	802.11ax-SU
Data Rate	MCS9
Distance of Measurement	3 Meters
Operating Frequency	2447MHz
Channel	8



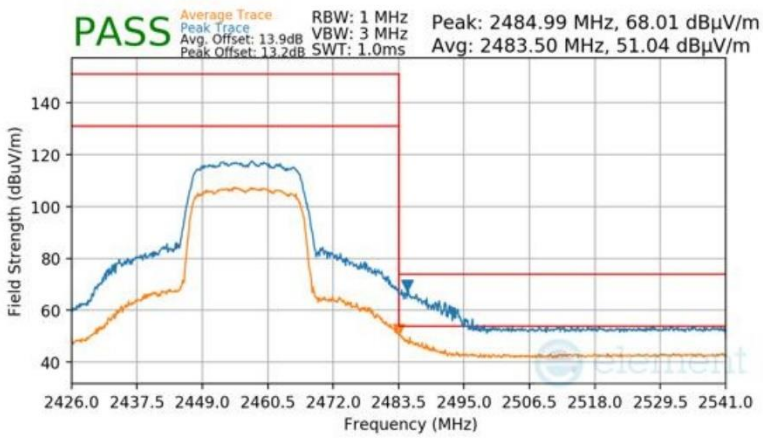
Plot 7-215 Radiated Restricted Upper Band Edge Measurement CDD

Mode	802.11ax-SU
Data Rate	MCS9
Distance of Measurement	3 Meters
Operating Frequency	2452MHz
Channel	9



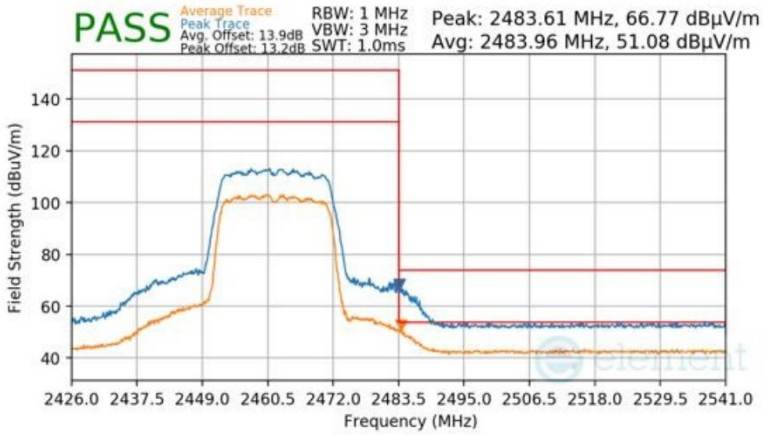
Plot 7-216 Radiated Restricted Upper Band Edge Measurement CDD

Mode	802.11ax-SU
Data Rate	MCS9
Distance of Measurement	3 Meters
Operating Frequency	2457MHz
Channel	10



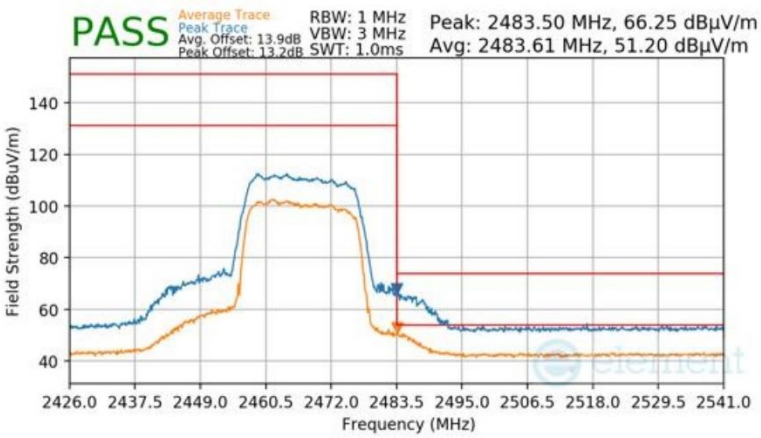
Plot 7-217 Radiated Restricted Upper Band Edge Measurement CDD

Mode	802.11ax-SU
Data Rate	MCS9
Distance of Measurement	3 Meters
Operating Frequency	2462MHz
Channel	11



Plot 7-218 Radiated Restricted Upper Band Edge Measurement CDD

Mode	802.11ax-SU
Data Rate	MCS9
Distance of Measurement	3 Meters
Operating Frequency	2467MHz
Channel	12



Plot 7-219 Radiated Restricted Upper Band Edge Measurement CDD

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 7-24 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 7-24. Radiated Limits

Test Procedures Used

ANSI C63.10-2020

Test Settings

Quasi-Peak Field Strength Measurements

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

Peak Field Strength Measurements

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

Test Setup

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

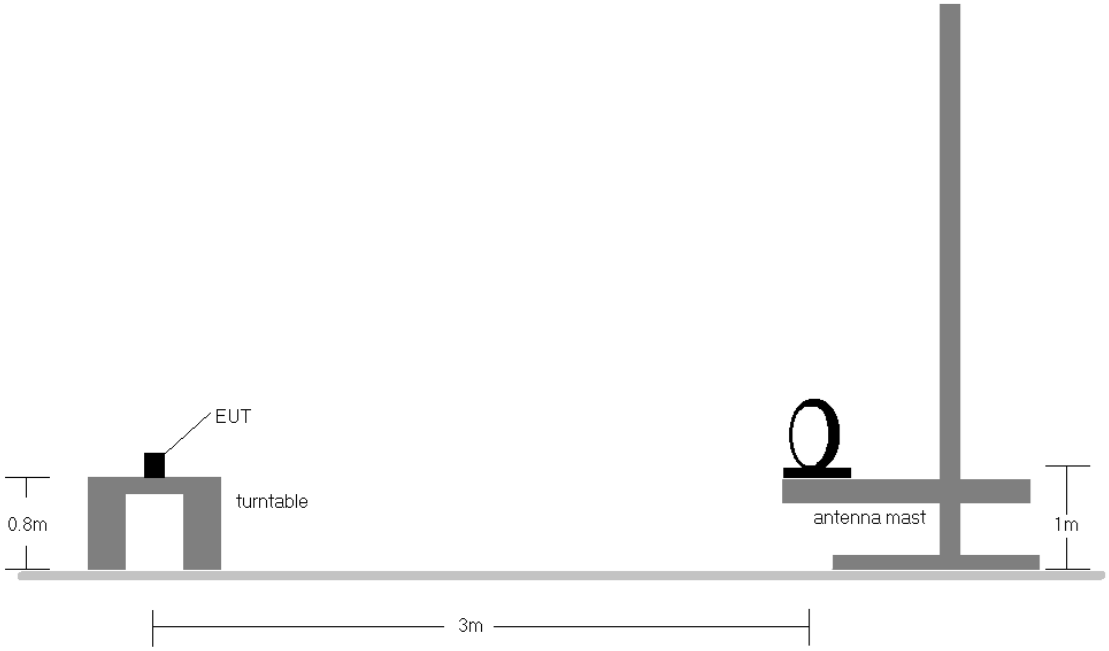


Figure 7-7. Radiated Test Setup < 30Mhz

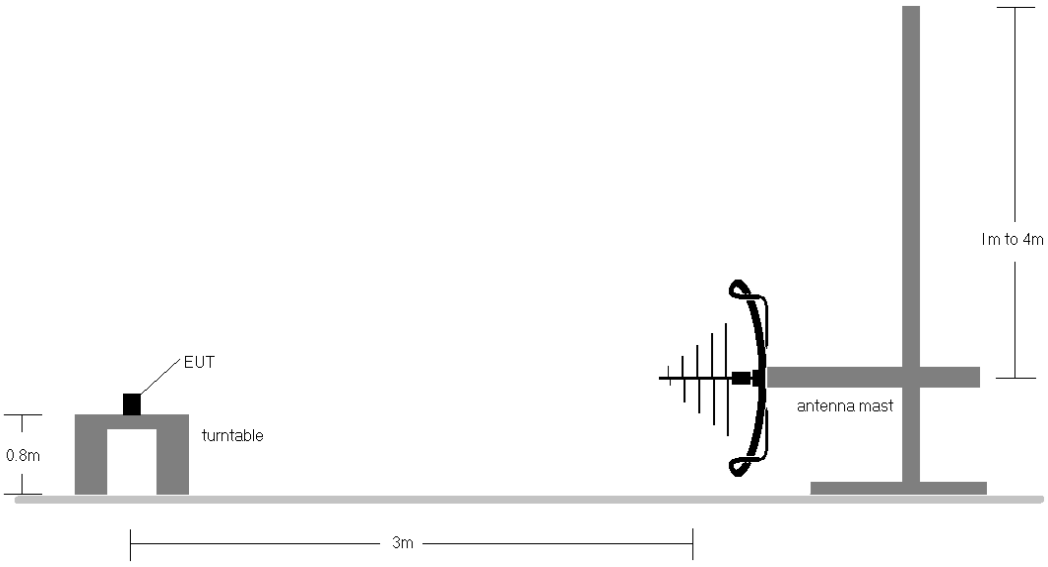


Figure 7-8. Radiated Test Setup < 1GHz

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 7-24.
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. 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
9. 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.
10. The wide spectrum spurious emissions plots shown on the following pages are used only for the purpose of emission identification.
11. The unit was tested with all possible modes and only the highest emission is reported.
12. All antenna configurations were investigated and only the worst case is reported.

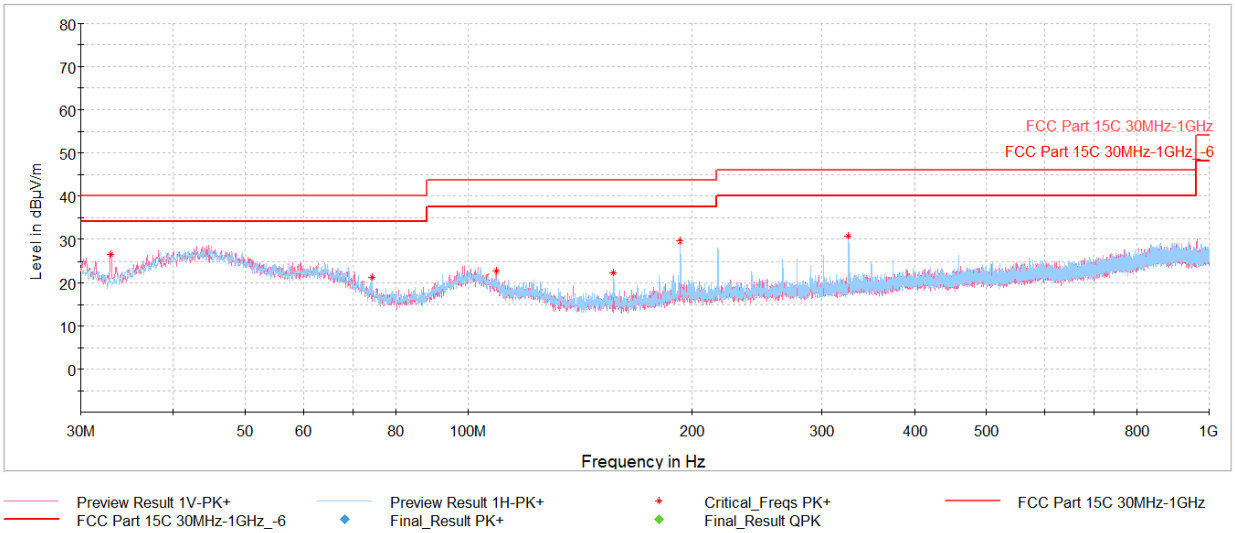
Sample Calculations

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

CDD Radiated Spurious Emissions Measurements (Below 1GHz)

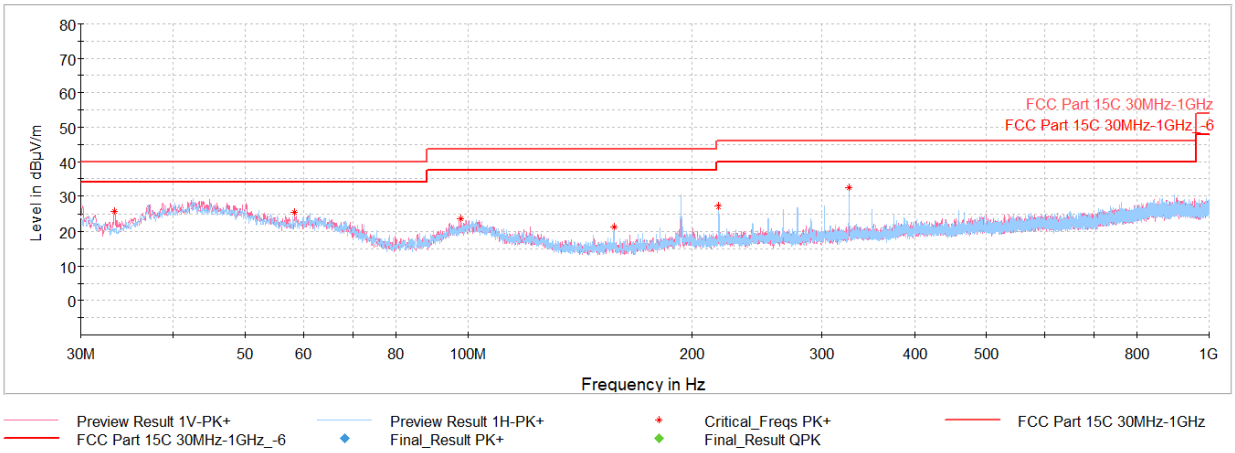
§15.209; RSS-Gen [8.9]



Plot 7-220. Radiated Spurious Emissions below 1GHz CDD 11n Ch.6, 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]
32.91	Max Peak	V	100	74	-61.86	-18.45	26.69	40.00	-13.31
74.18	Max Peak	H	300	243	-65.14	-20.65	21.21	40.00	-18.79
109.15	Max Peak	V	100	42	-67.47	-16.70	22.83	43.52	-20.69
156.83	Max Peak	H	200	162	-65.47	-19.17	22.36	43.52	-21.16
193.01	Max Peak	H	100	192	-61.35	-16.16	29.49	43.52	-14.03
325.90	Max Peak	H	100	265	-63.86	-12.48	30.66	46.02	-15.36

Table 7-25. Radiated Spurious Emissions below 1GHz CDD 11n Ch.6, with AC/DC Adapter



Plot 7-221. Radiated Spurious Emissions below 1GHz CDD 11ax - SU Ch.6, 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]
33.30	Max Peak	V	100	245	-62.87	-18.32	25.81	40.00	-14.19
58.32	Max Peak	V	200	182	-66.16	-15.32	25.52	40.00	-14.48
97.85	Max Peak	V	300	26	-66.62	-16.75	23.63	43.52	-19.89
157.07	Max Peak	H	200	166	-66.51	-19.14	21.35	43.52	-22.17
217.60	Max Peak	H	100	171	-64.00	-15.89	27.11	46.02	-18.91
326.38	Max Peak	H	100	261	-62.12	-12.44	32.44	46.02	-13.58

Table 7-26. Radiated Spurious Emissions below 1GHz CDD 11ax - SU Ch.6, with AC/DC Adapter

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 7-27. Conducted Limits

*Decreases with the logarithm of the frequency.

Test Procedures Used

ANSI C63.10-2020, 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.

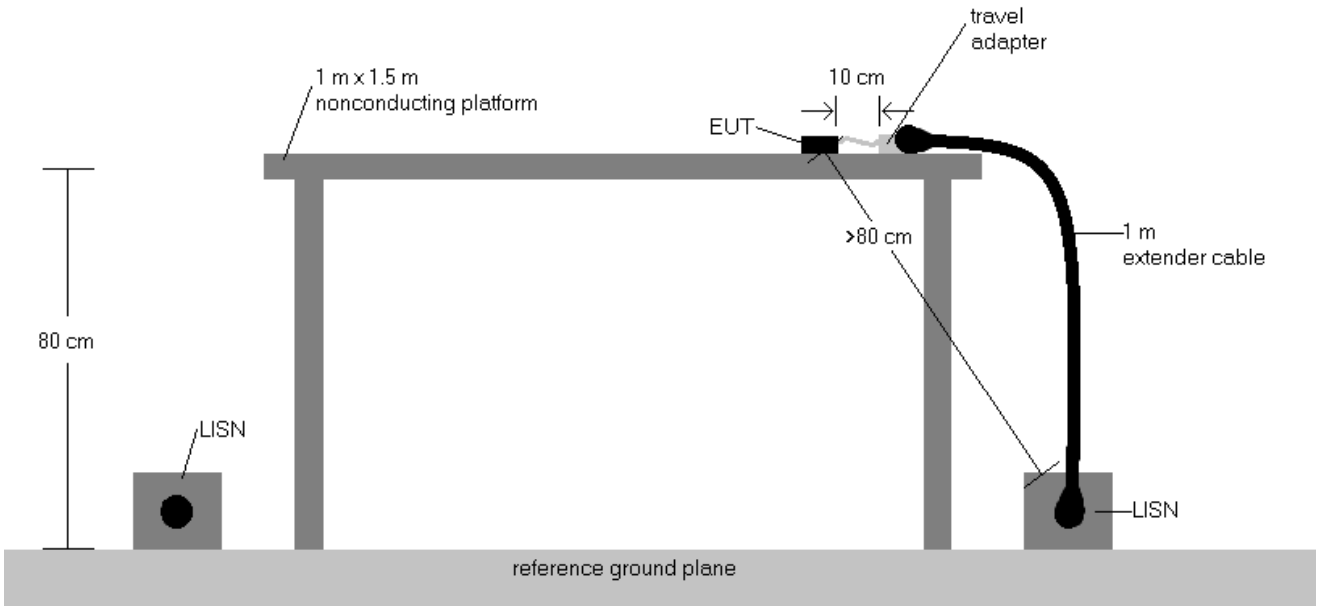
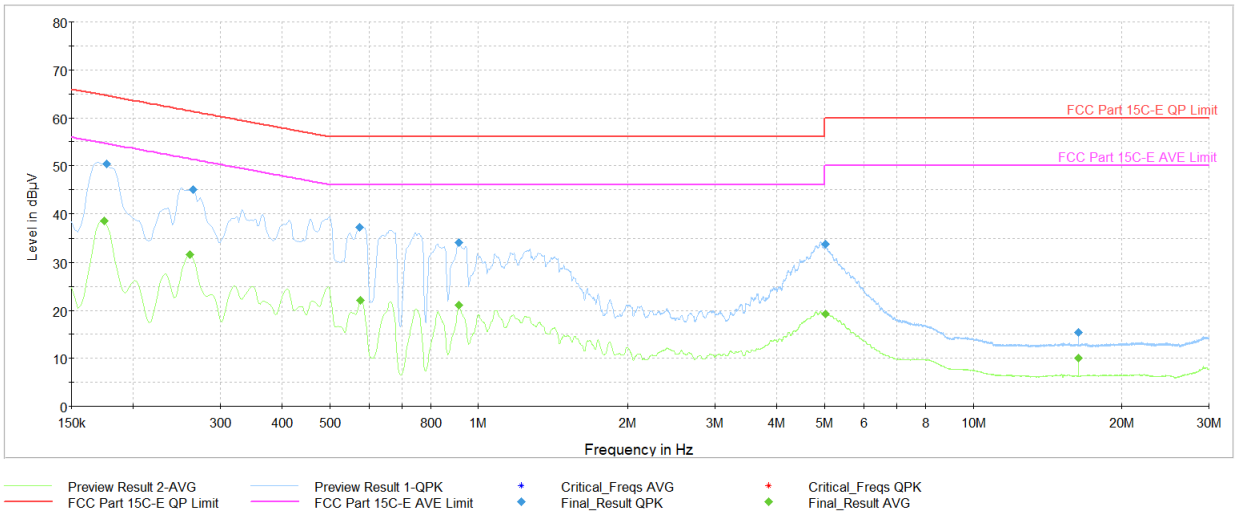


Figure 7-9. Test Instrument & Measurement Setup

Test Notes

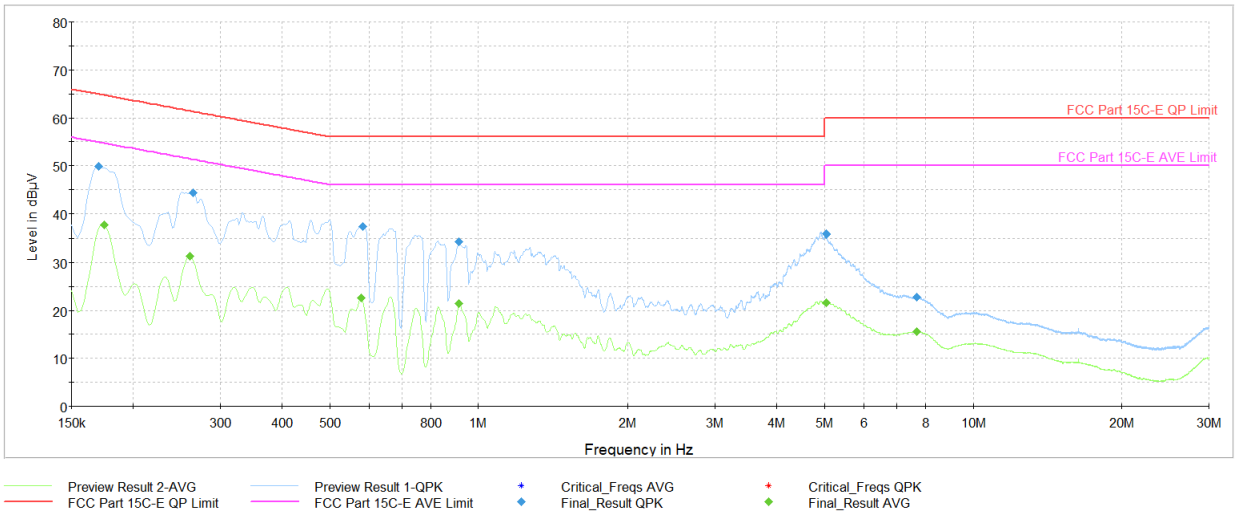
1. All modes of operation were investigated and the worst-case emissions are reported. The emissions found were not affected by the choice of channel used during testing.
2. Both configurations below were investigated, and the worst case has been reported.
   a. EUT powered by AC/DC adaptor via USB-C 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) + Corr. (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. The unit was tested with all possible modes and only the highest emission is reported.



Plot 7-222. AC Line Conducted Plot with CDD 11n Ch.6 (L1, with AC/DC Adapter)

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.175	FINAL	—	38.47	54.73	-16.27	L1	GND
0.177	FINAL	50.4	—	64.63	-14.21	L1	GND
0.260	FINAL	—	31.61	51.42	-19.81	L1	GND
0.265	FINAL	45.0	—	61.28	-16.30	L1	GND
0.575	FINAL	37.2	—	56.00	-18.83	L1	GND
0.578	FINAL	—	22.17	46.00	-23.83	L1	GND
0.913	FINAL	34.2	—	56.00	-21.83	L1	GND
0.913	FINAL	—	21.01	46.00	-24.99	L1	GND
5.026	FINAL	—	19.25	50.00	-30.75	L1	GND
5.030	FINAL	33.9	—	60.00	-26.15	L1	GND
16.330	FINAL	—	9.97	50.00	-40.03	L1	GND
16.330	FINAL	15.5	—	60.00	-44.53	L1	GND

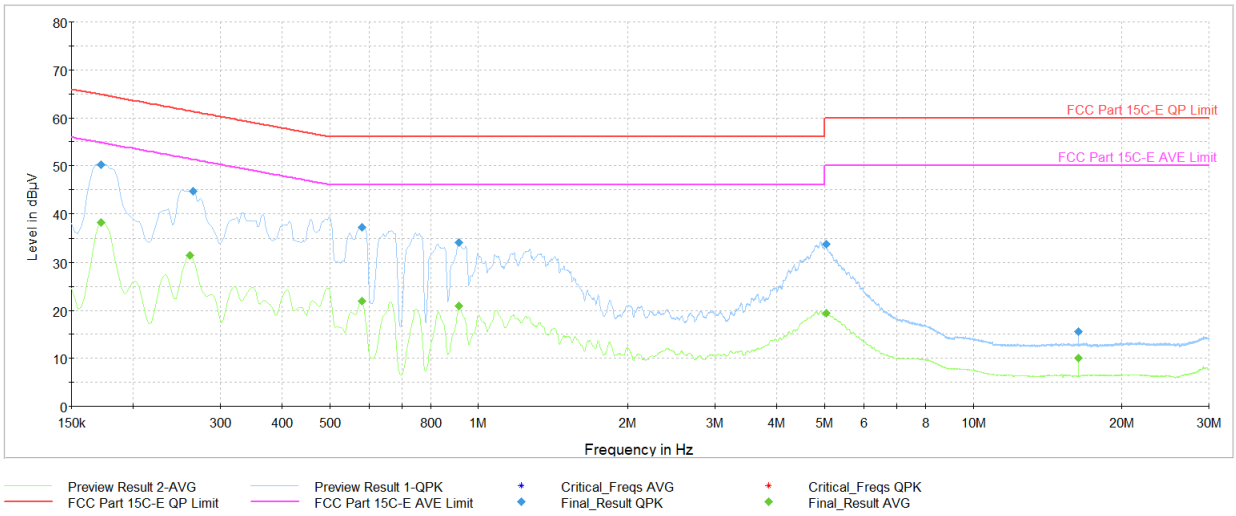
Table 7-28. AC Line Conducted Data with CDD 11n Ch.6 (L1, with AC/DC Adapter)



Plot 7-223. AC Line Conducted Plot with CDD 11n Ch.6 (N, with AC/DC Adapter)

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.170	FINAL	49.8	—	64.95	-15.15	N	GND
0.175	FINAL	—	37.66	54.73	-17.07	N	GND
0.260	FINAL	—	31.23	51.42	-20.19	N	GND
0.265	FINAL	44.4	—	61.28	-16.92	N	GND
0.580	FINAL	—	22.61	46.00	-23.39	N	GND
0.584	FINAL	37.3	—	56.00	-18.71	N	GND
0.913	FINAL	34.4	—	56.00	-21.61	N	GND
0.913	FINAL	—	21.48	46.00	-24.52	N	GND
5.042	FINAL	35.8	—	60.00	-24.25	N	GND
5.046	FINAL	—	21.59	50.00	-28.41	N	GND
7.690	FINAL	22.8	—	60.00	-37.24	N	GND
7.697	FINAL	—	15.58	50.00	-34.42	N	GND

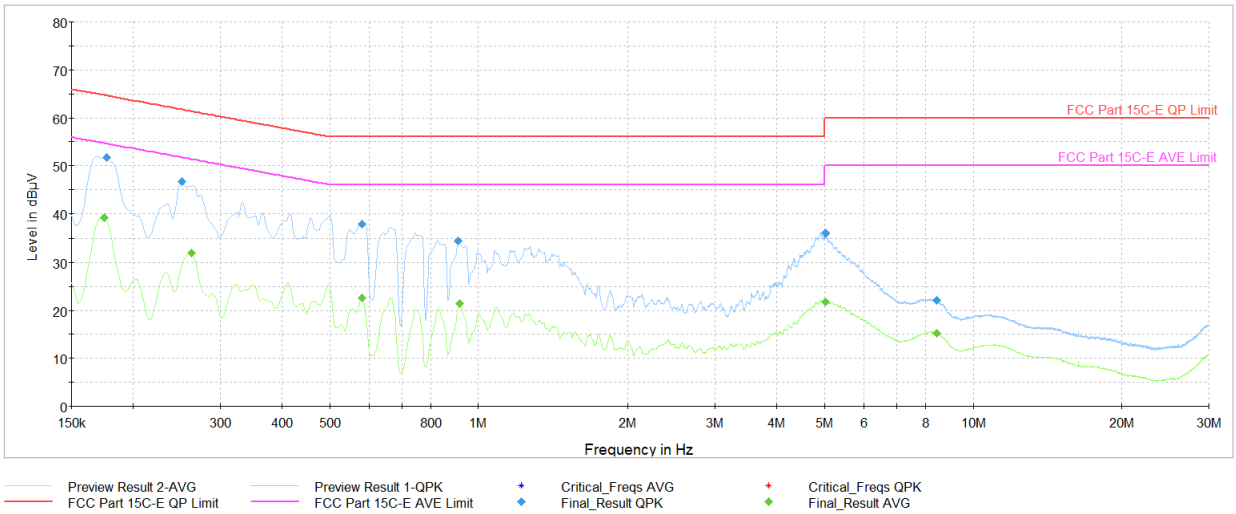
Table 7-29. AC Line Conducted Data with CDD 11n Ch.6 (N, with AC/DC Adapter)



Plot 7-224. AC Line Conducted Plot with CDD 11ax - SU Ch.6 (L1, with AC/DC Adapter)

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.173	FINAL	—	38.22	54.84	-16.62	L1	GND
0.173	FINAL	50.2	—	64.84	-14.65	L1	GND
0.260	FINAL	—	31.44	51.42	-19.98	L1	GND
0.265	FINAL	44.8	—	61.28	-16.51	L1	GND
0.582	FINAL	—	21.96	46.00	-24.04	L1	GND
0.582	FINAL	37.1	—	56.00	-18.86	L1	GND
0.913	FINAL	34.2	—	56.00	-21.80	L1	GND
0.913	FINAL	—	20.96	46.00	-25.04	L1	GND
5.033	FINAL	33.8	—	60.00	-26.25	L1	GND
5.035	FINAL	—	19.33	50.00	-30.67	L1	GND
16.323	FINAL	—	10.01	50.00	-39.99	L1	GND
16.323	FINAL	15.6	—	60.00	-44.45	L1	GND

Table 7-30. AC Line Conducted Data with CDD 11ax - SU Ch.6 (L1, with AC/DC Adapter)



Plot 7-225. AC Line Conducted Plot with CDD 11ax - SU Ch.6 (N, with AC/DC Adapter)

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.175	FINAL	—	39.20	54.73	-15.53	N	GND
0.177	FINAL	51.6	—	64.63	-12.99	N	GND
0.251	FINAL	46.7	—	61.72	-15.02	N	GND
0.263	FINAL	—	32.03	51.35	-19.33	N	GND
0.582	FINAL	—	22.63	46.00	-23.37	N	GND
0.582	FINAL	37.9	—	56.00	-18.13	N	GND
0.911	FINAL	34.4	—	56.00	-21.60	N	GND
0.915	FINAL	—	21.40	46.00	-24.60	N	GND
5.030	FINAL	36.0	—	60.00	-24.01	N	GND
5.030	FINAL	—	21.79	50.00	-28.21	N	GND
8.428	FINAL	22.0	—	60.00	-37.98	N	GND
8.448	FINAL	—	15.19	50.00	-34.81	N	GND

Table 7-31. AC Line Conducted Data with CDD 11ax - SU Ch.6 (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: BCGA3355, IC: 579C-A3355** 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.