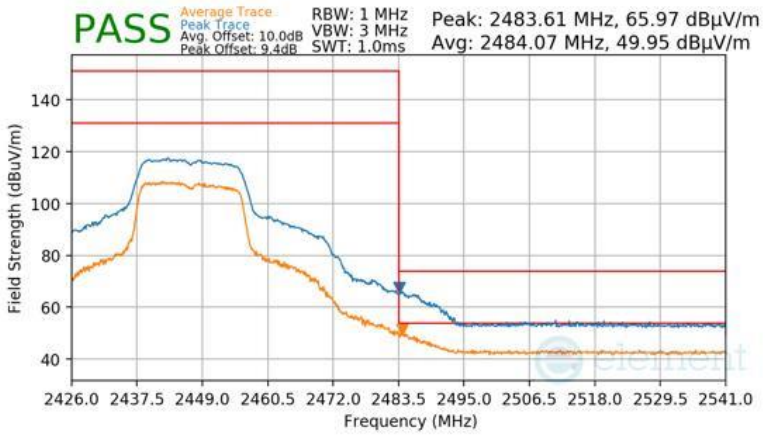
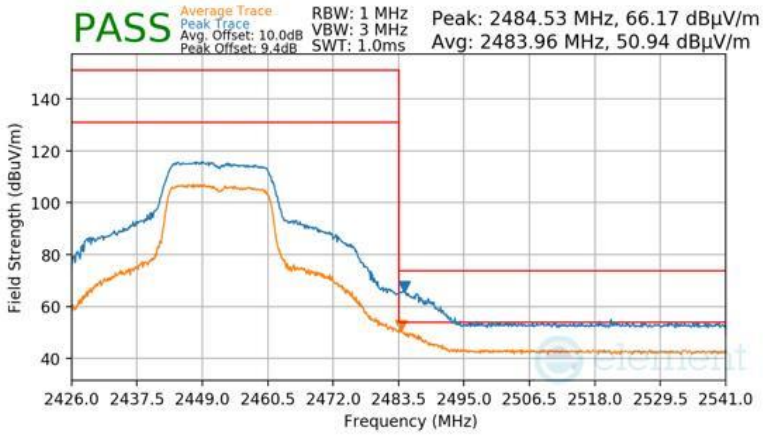
Mode	802.11n
Data Rate	MCS7
Distance of Measurement	3 Meters
Operating Frequency	2447MHz
Channel	8



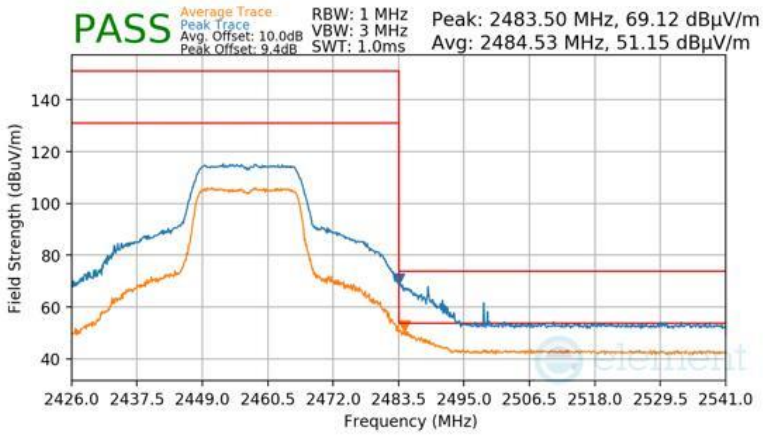
Plot 7-137 Radiated Restricted Upper Band Edge Measurement Antenna 3a

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



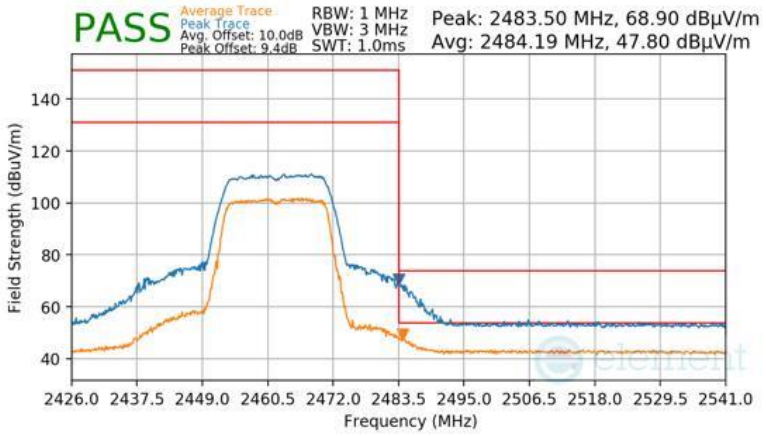
Plot 7-138 Radiated Restricted Upper Band Edge Measurement Antenna 3a

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



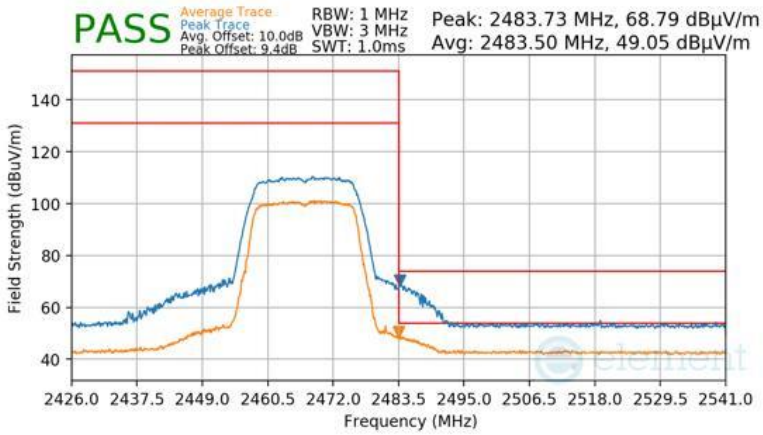
Plot 7-139 Radiated Restricted Upper Band Edge Measurement Antenna 3a

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



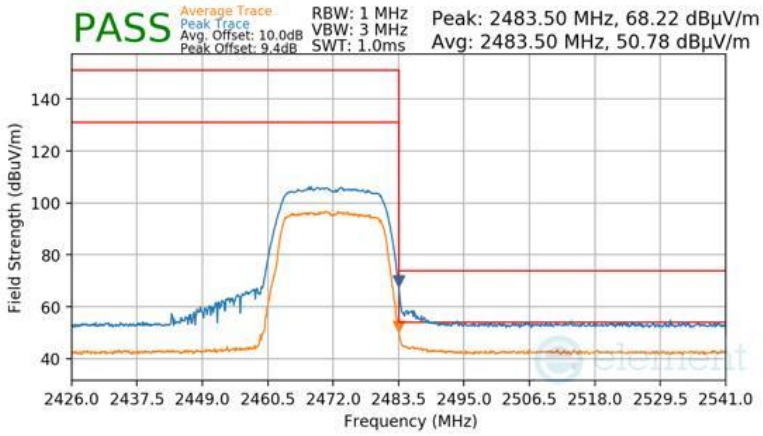
Plot 7-140 Radiated Restricted Upper Band Edge Measurement Antenna 3a

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



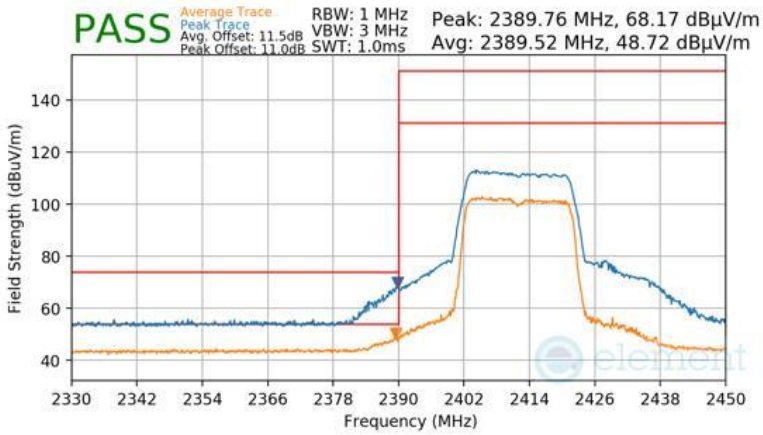
Plot 7-141 Radiated Restricted Upper Band Edge Measurement Antenna 3a

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



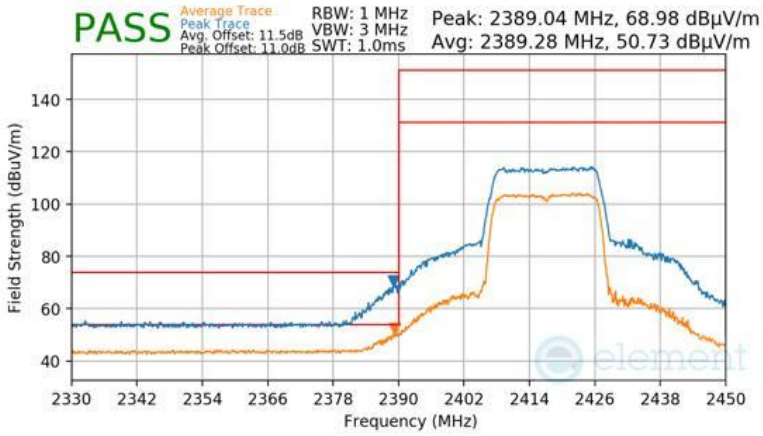
Plot 7-142 Radiated Restricted Upper Band Edge Measurement Antenna 3a

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



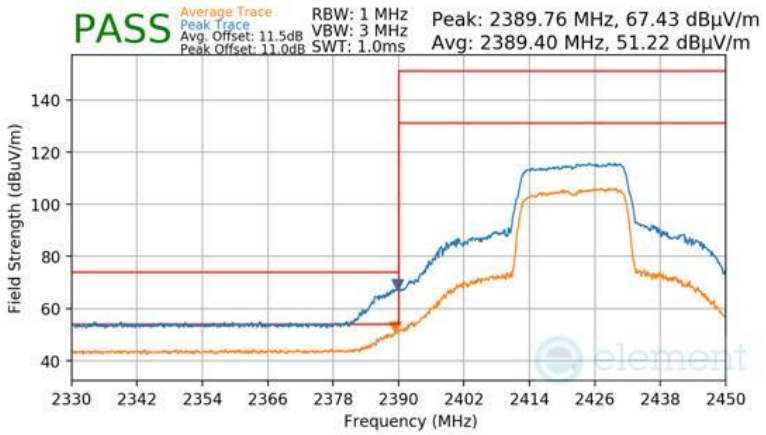
Plot 7-143 Radiated Restricted Lower Band Edge Measurement Antenna 3a

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



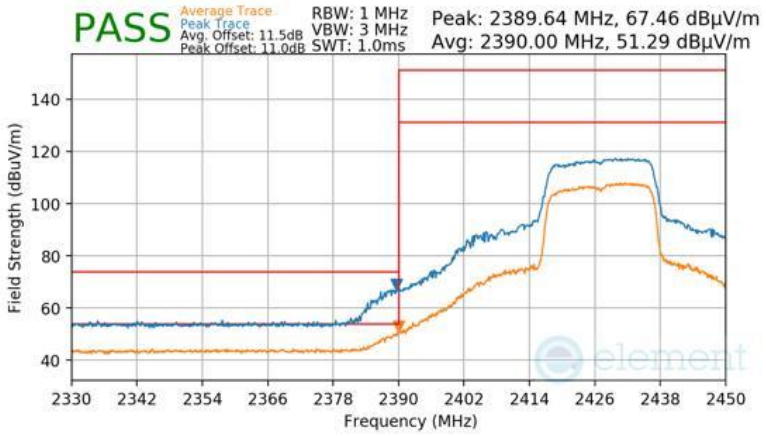
Plot 7-144 Radiated Restricted Lower Band Edge Measurement Antenna 3a

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



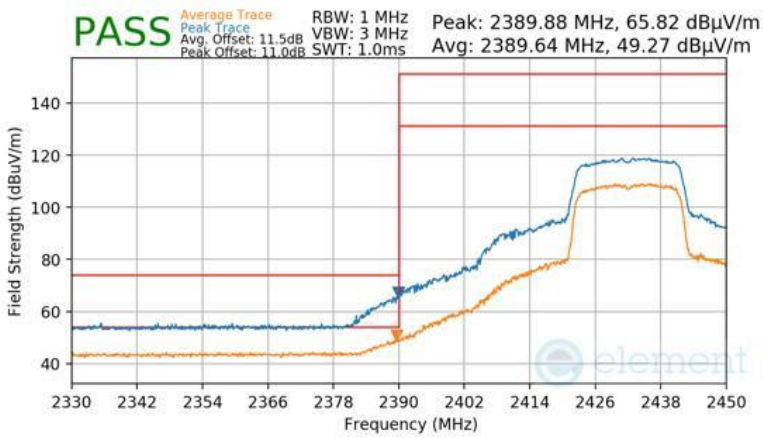
Plot 7-145 Radiated Restricted Lower Band Edge Measurement Antenna 3a

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



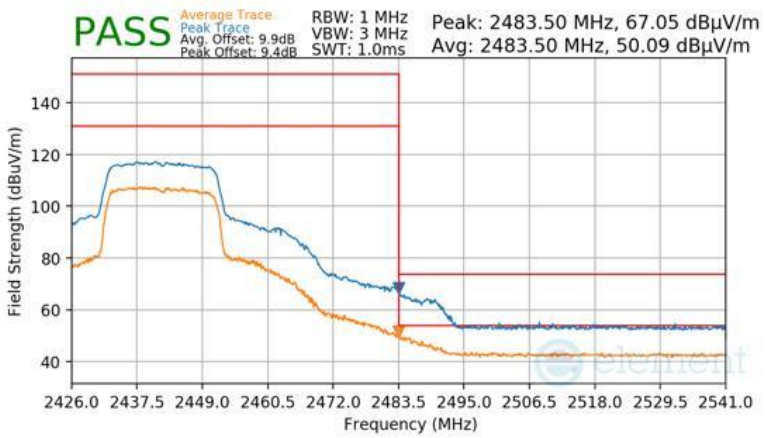
Plot 7-146 Radiated Restricted Lower Band Edge Measurement Antenna 3a

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



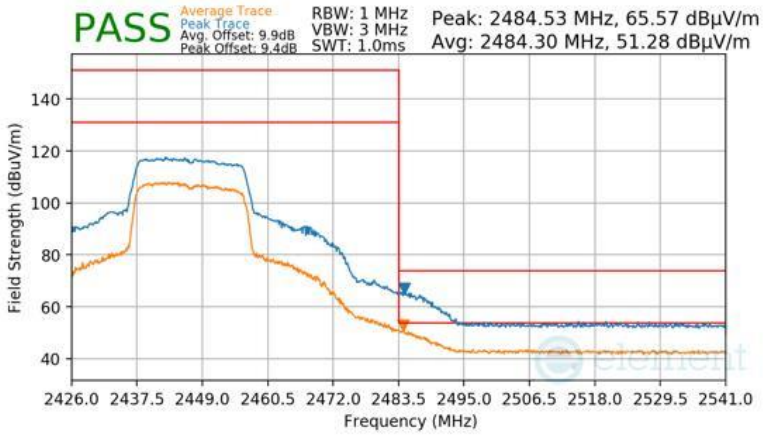
Plot 7-147 Radiated Restricted Lower Band Edge Measurement Antenna 3a

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



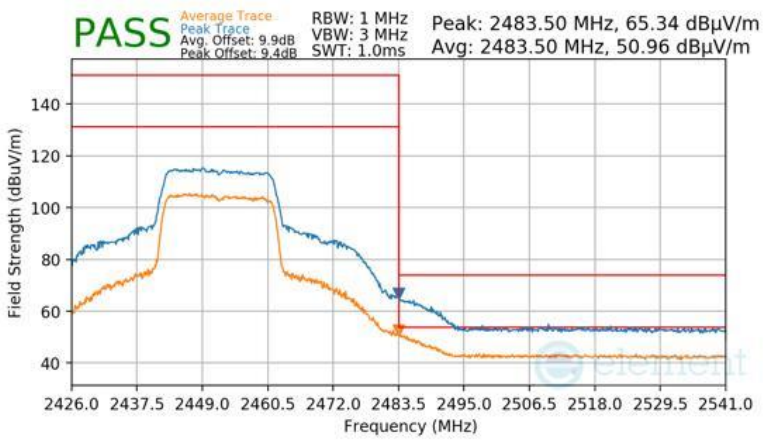
Plot 7-148 Radiated Restricted Upper Band Edge Measurement Antenna 3a

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



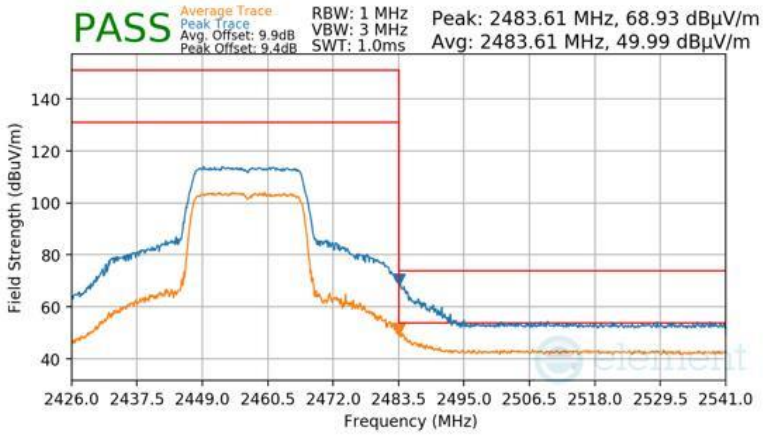
Plot 7-149 Radiated Restricted Upper Band Edge Measurement Antenna 3a

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



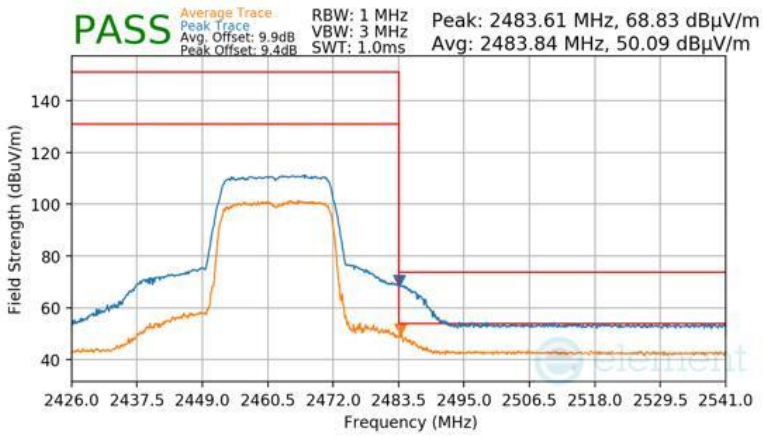
Plot 7-150 Radiated Restricted Upper Band Edge Measurement Antenna 3a

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



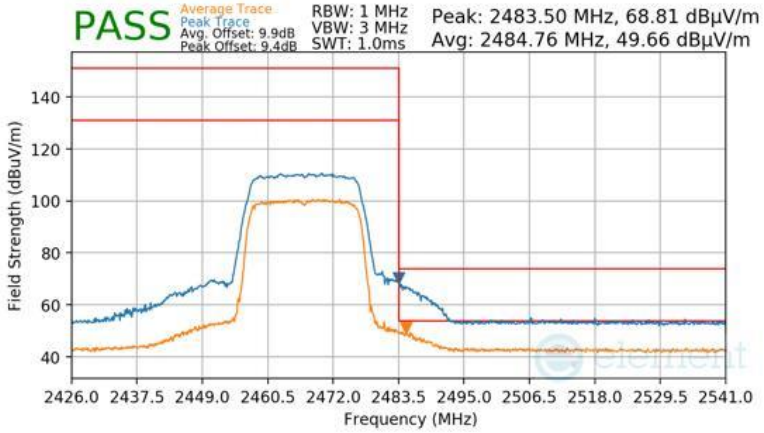
Plot 7-151 Radiated Restricted Upper Band Edge Measurement Antenna 3a

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



Plot 7-152 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

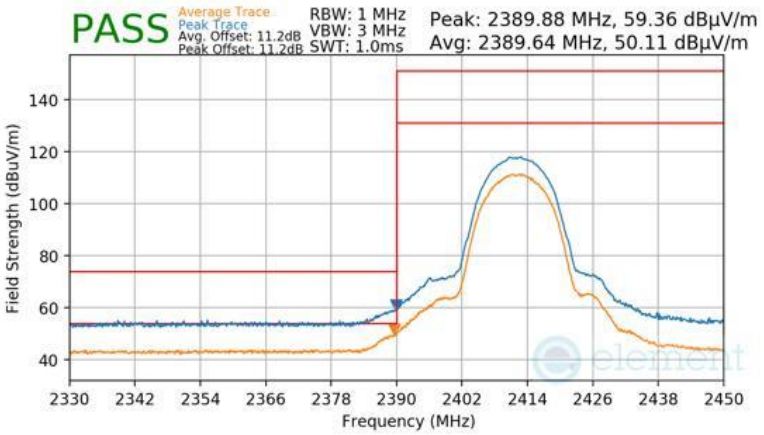


Plot 7-153 Radiated Restricted Upper Band Edge Measurement Antenna 3a

7.7.5 Antenna 1a Radiated Restricted Band Edge Measurements

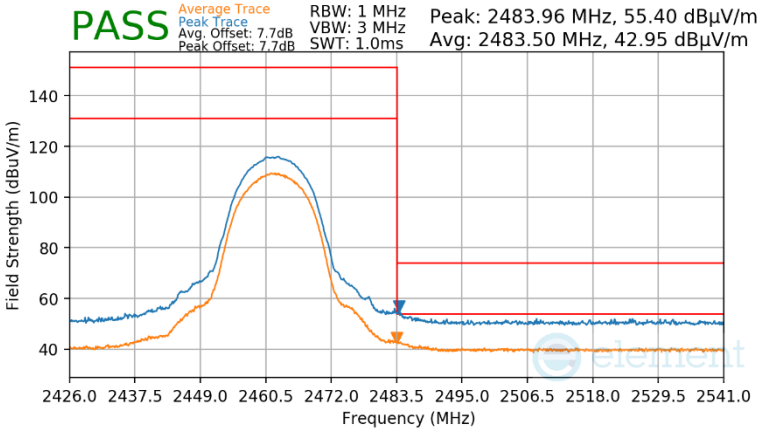
§15.205 §15.209; RSS-Gen [8.9]

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



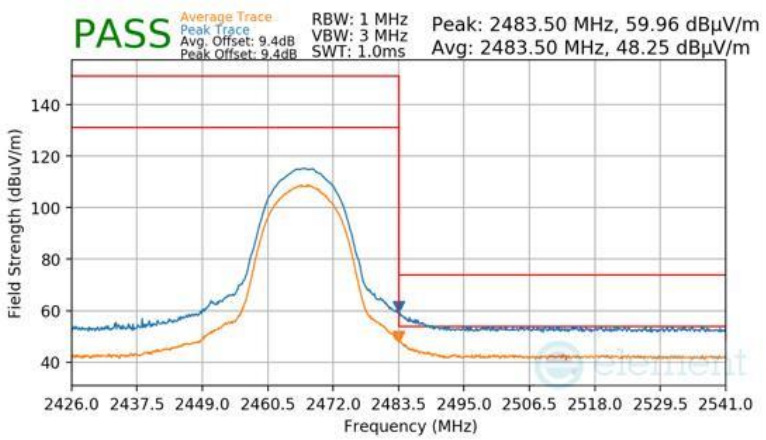
Plot 7-154 Radiated Restricted Lower Band Edge Measurement Antenna 1a

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



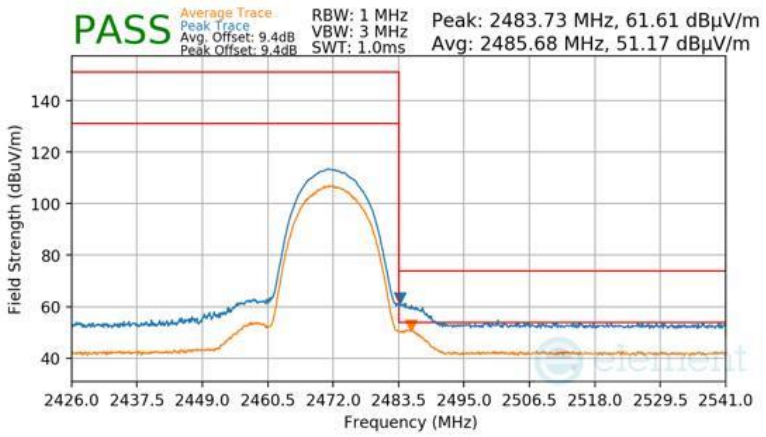
Plot 7-155 Radiated Restricted Upper Band Edge Measurement Antenna 1a

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



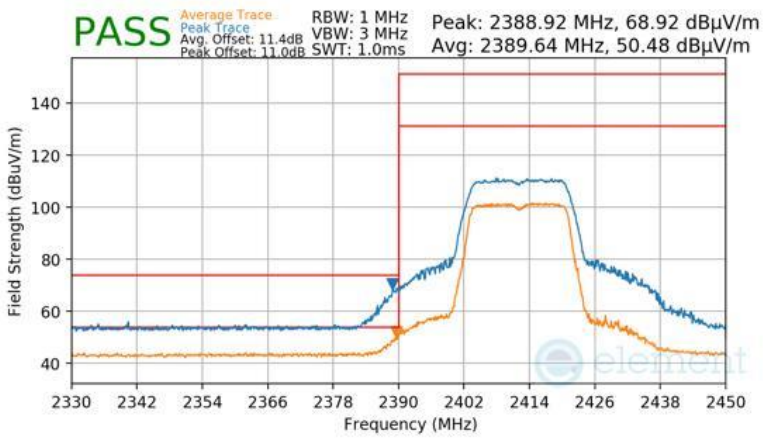
Plot 7-156 Radiated Restricted Upper Band Edge Measurement Antenna 1a

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



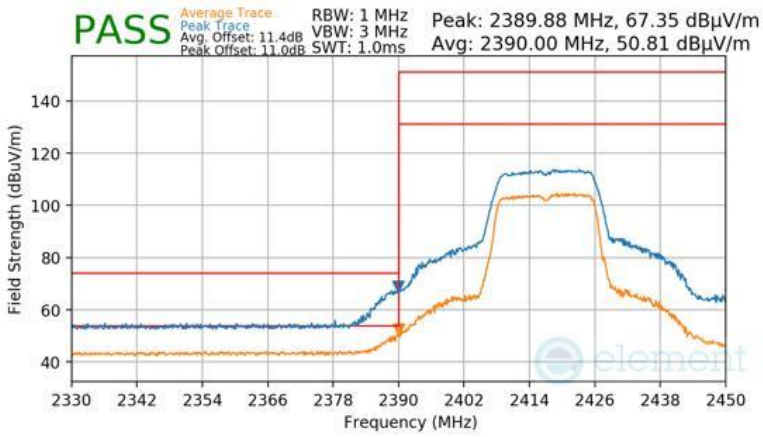
Plot 7-157 Radiated Restricted Upper Band Edge Measurement Antenna 1a

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



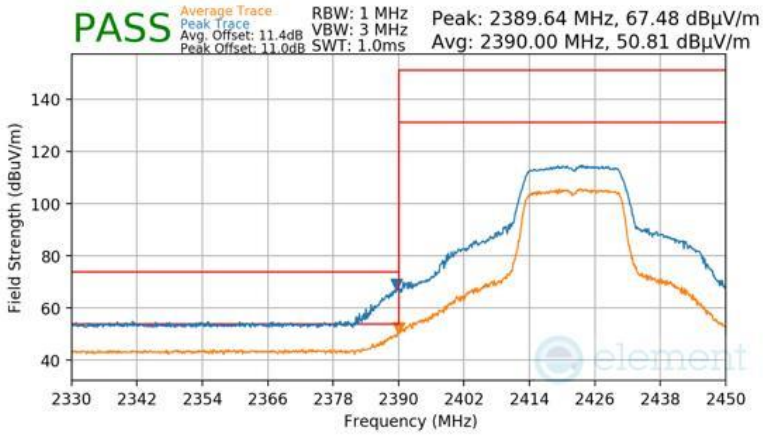
Plot 7-158 Radiated Restricted Lower Band Edge Measurement Antenna 1a

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



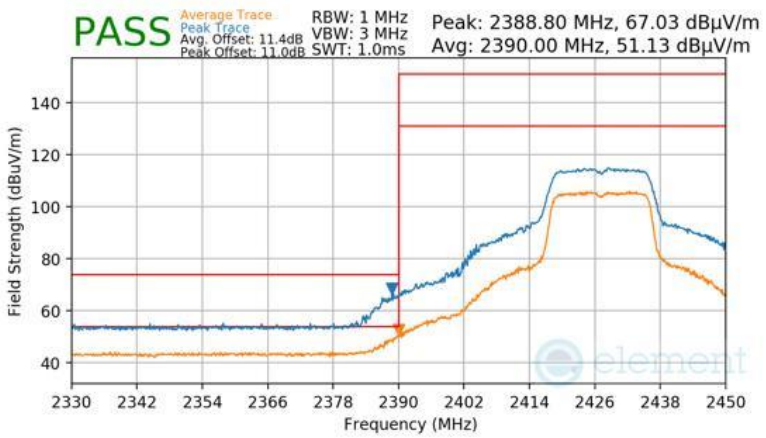
Plot 7-159 Radiated Restricted Lower Band Edge Measurement Antenna 1a

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



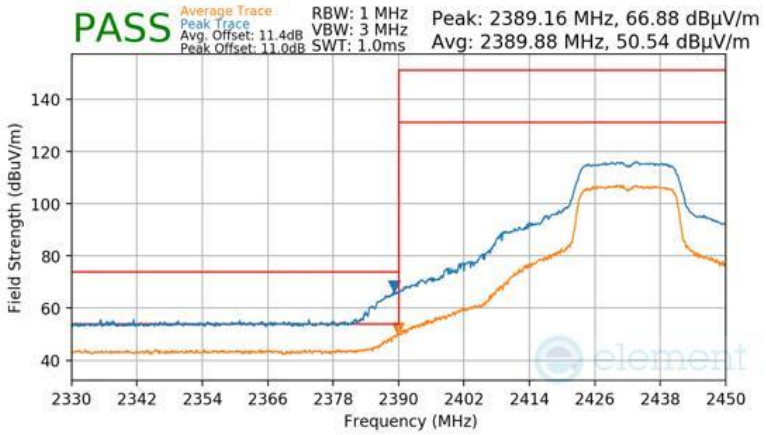
Plot 7-160 Radiated Restricted Lower Band Edge Measurement Antenna 1a

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



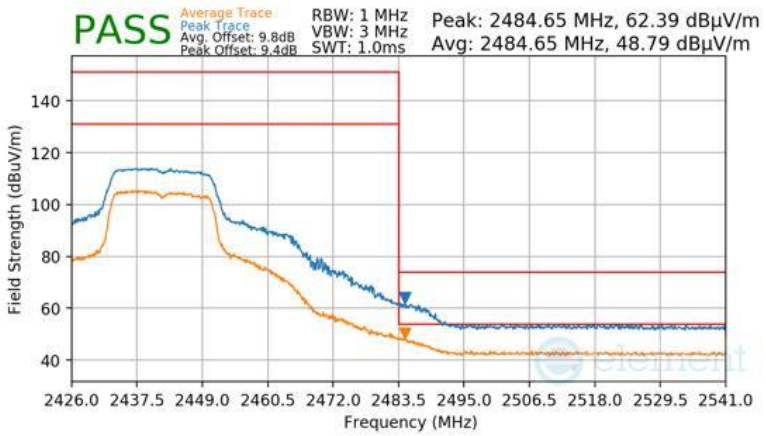
Plot 7-161 Radiated Restricted Lower Band Edge Measurement Antenna 1a

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



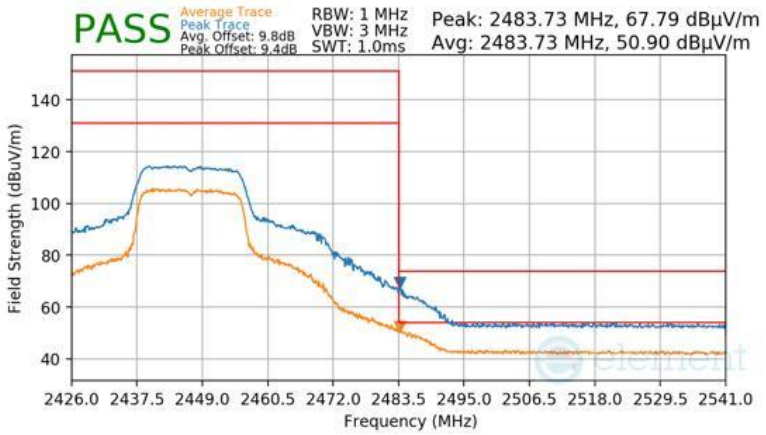
Plot 7-162 Radiated Restricted Lower Band Edge Measurement Antenna 1a

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



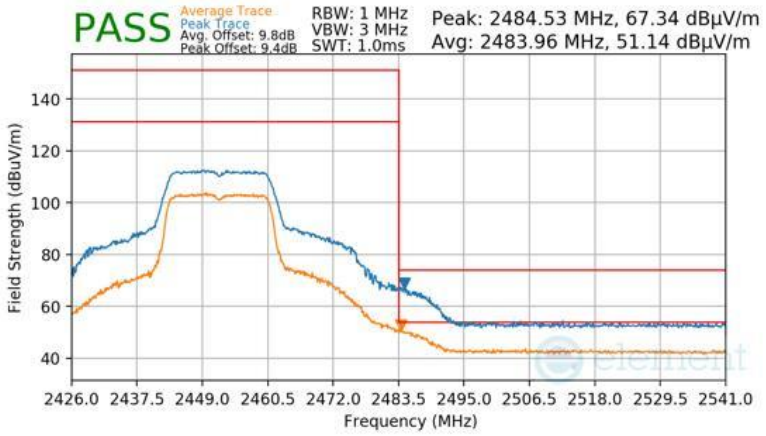
Plot 7-163 Radiated Restricted Upper Band Edge Measurement Antenna 1a

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



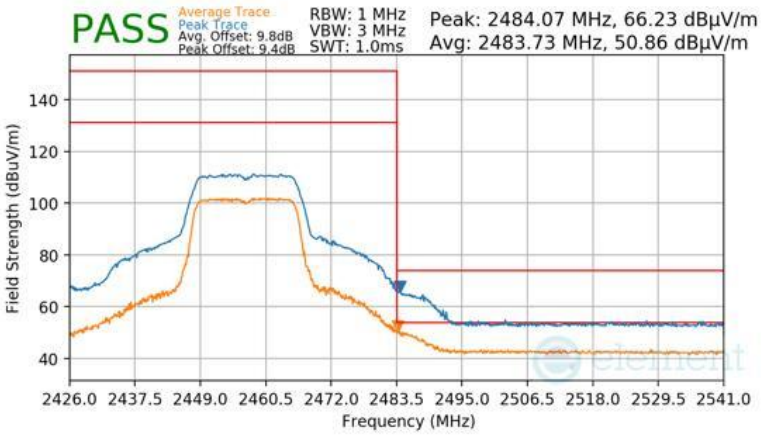
Plot 7-164 Radiated Restricted Upper Band Edge Measurement Antenna 1a

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



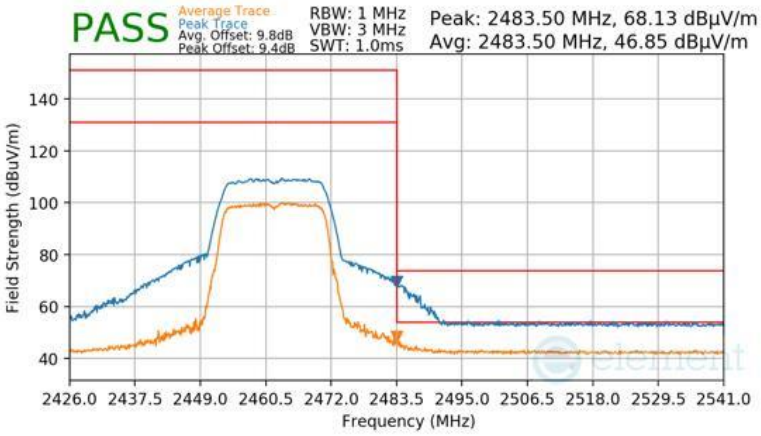
Plot 7-165 Radiated Restricted Upper Band Edge Measurement Antenna 1a

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



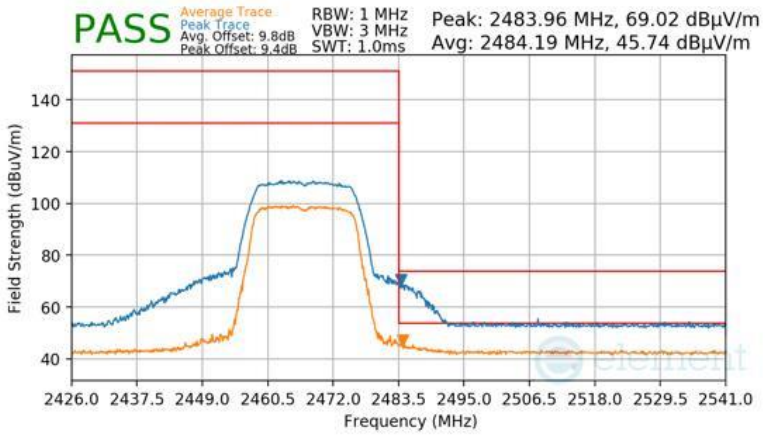
Plot 7-166 Radiated Restricted Upper Band Edge Measurement Antenna 1a

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



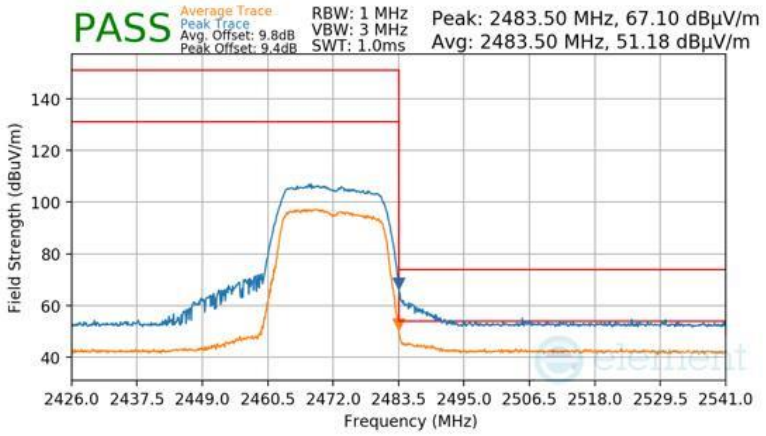
Plot 7-167 Radiated Restricted Upper Band Edge Measurement Antenna 1a

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



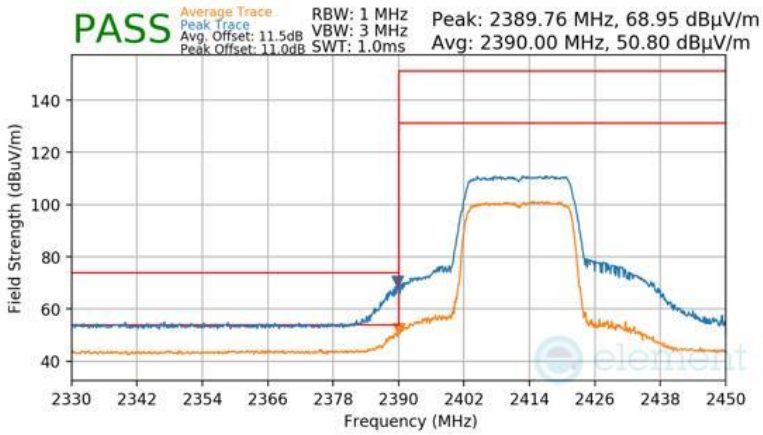
Plot 7-168 Radiated Restricted Upper Band Edge Measurement Antenna 1a

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



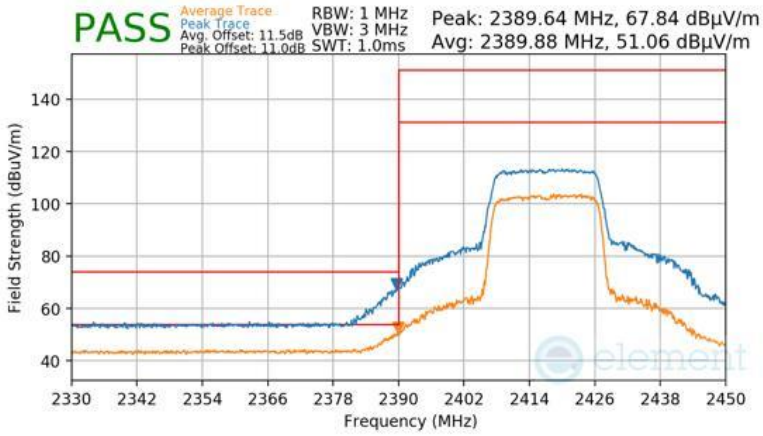
Plot 7-169 Radiated Restricted Upper Band Edge Measurement Antenna 1a

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



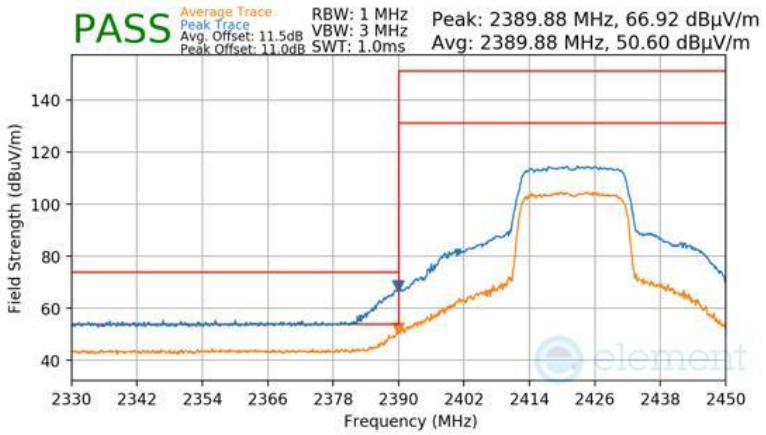
Plot 7-170 Radiated Restricted Lower Band Edge Measurement Antenna 1a

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



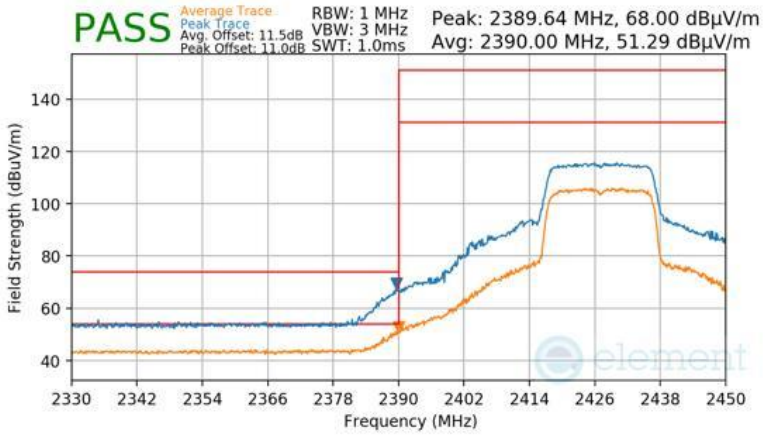
Plot 7-171 Radiated Restricted Lower Band Edge Measurement Antenna 1a

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



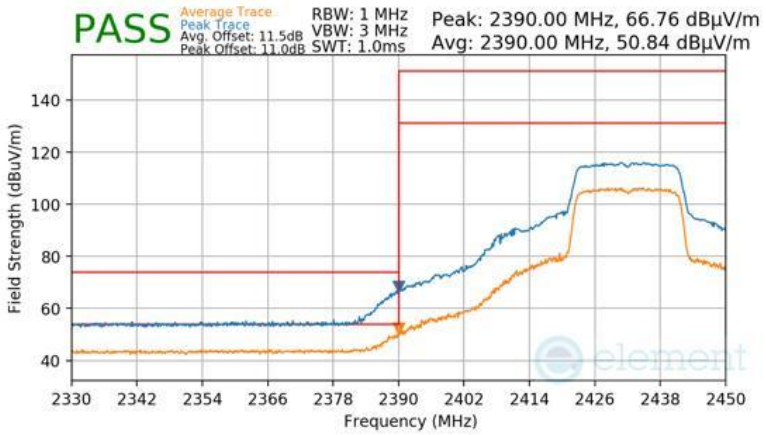
Plot 7-172 Radiated Restricted Lower Band Edge Measurement Antenna 1a

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



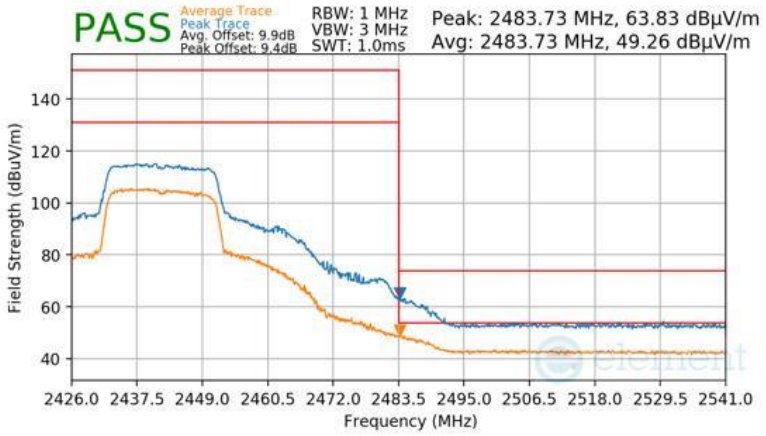
Plot 7-173 Radiated Restricted Lower Band Edge Measurement Antenna 1a

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



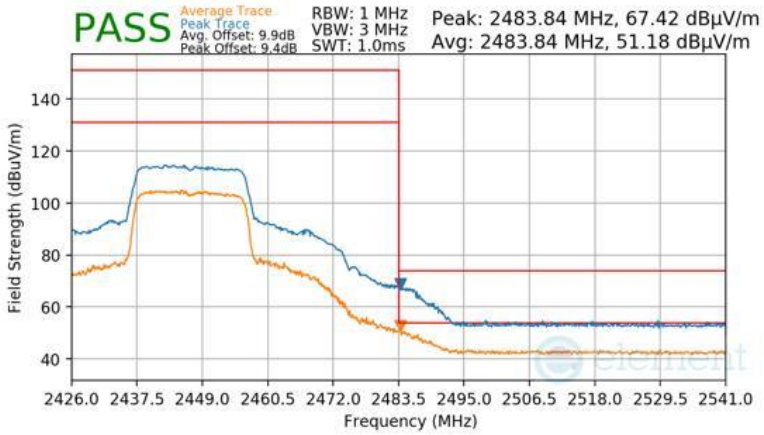
Plot 7-174 Radiated Restricted Lower Band Edge Measurement Antenna 1a

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



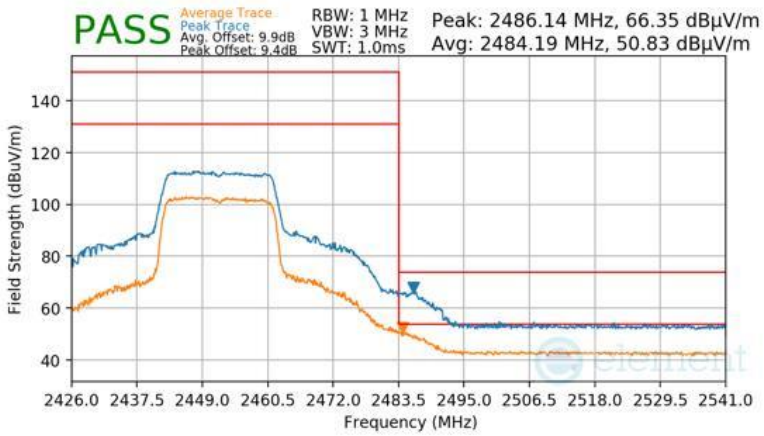
Plot 7-175 Radiated Restricted Upper Band Edge Measurement Antenna 1a

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



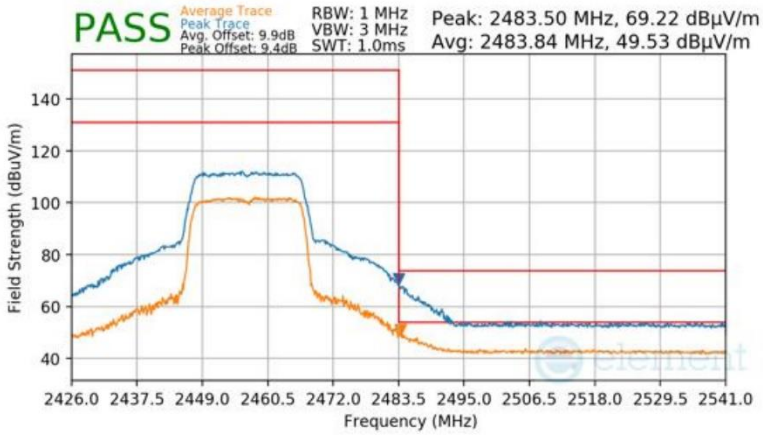
Plot 7-176 Radiated Restricted Upper Band Edge Measurement Antenna 1a

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



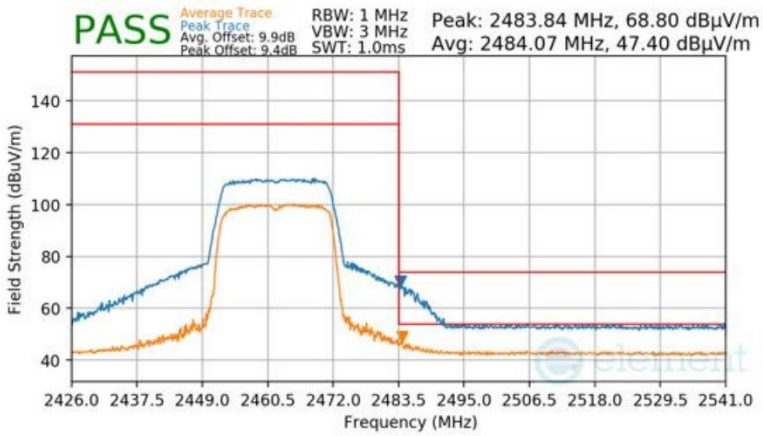
Plot 7-177 Radiated Restricted Upper Band Edge Measurement Antenna 1a

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



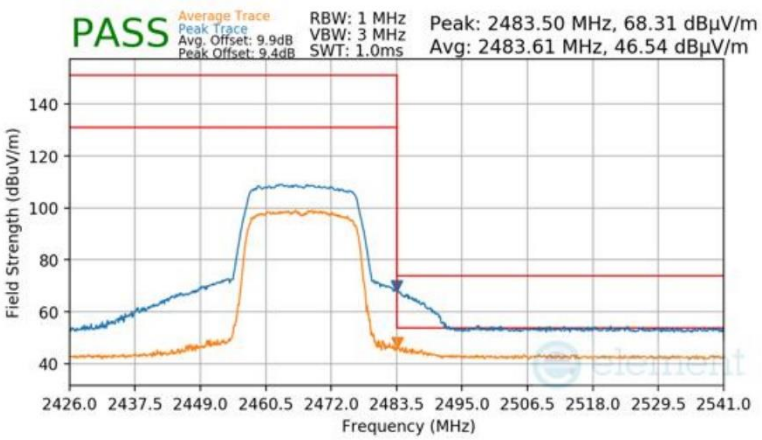
Plot 7-178 Radiated Restricted Upper Band Edge Measurement Antenna 1a

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



Plot 7-179 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

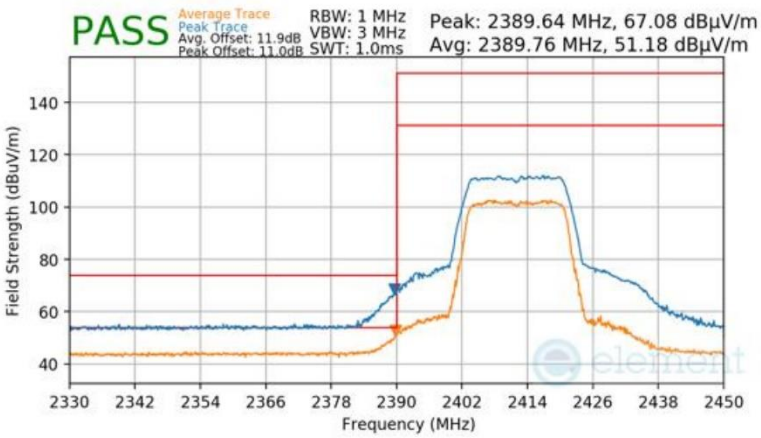


Plot 7-180 Radiated Restricted Upper Band Edge Measurement Antenna 1a

7.7.6 CDD Radiated Restricted Band Edge Measurements

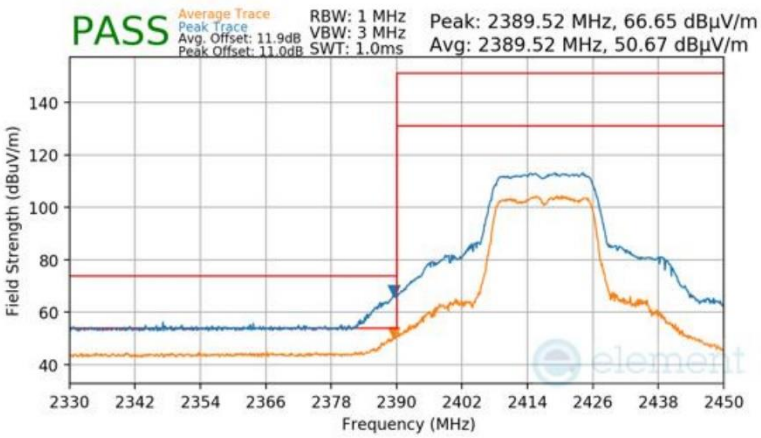
§15.205 §15.209; RSS-Gen [8.9]

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



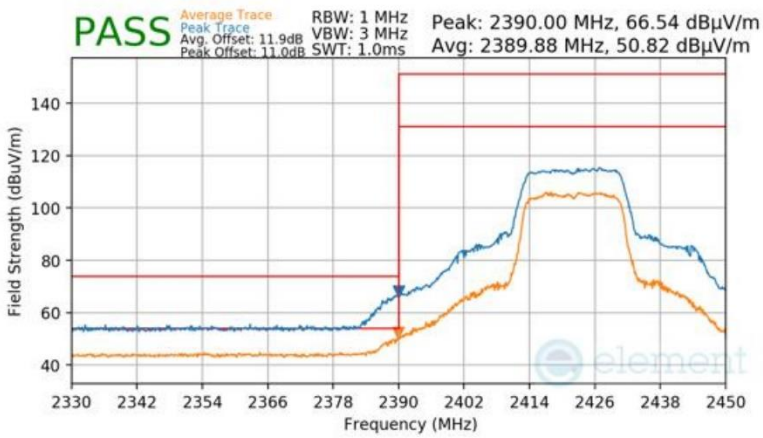
Plot 7-181 Radiated Restricted Lower Band Edge Measurement CDD

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



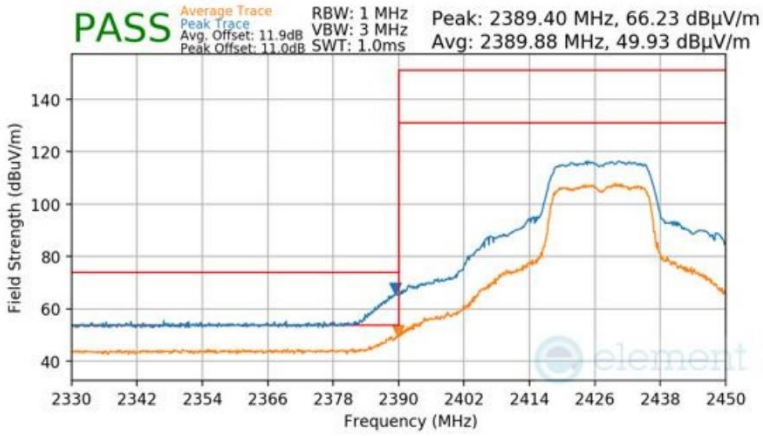
Plot 7-182 Radiated Restricted Lower Band Edge Measurement CDD

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



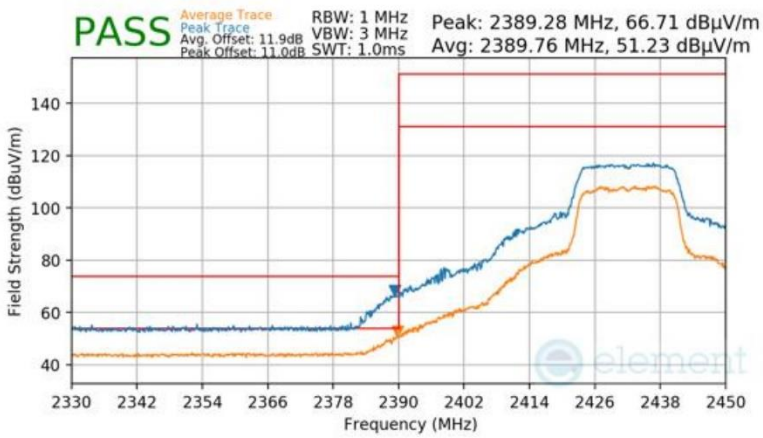
Plot 7-183 Radiated Restricted Lower Band Edge Measurement CDD

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



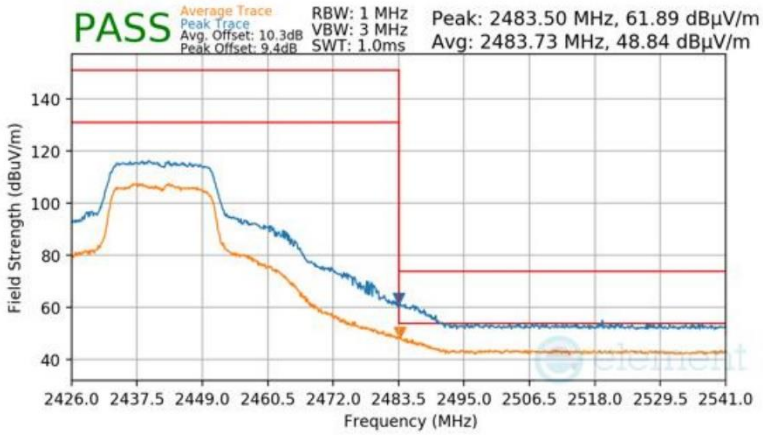
Plot 7-184 Radiated Restricted Lower Band Edge Measurement CDD

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



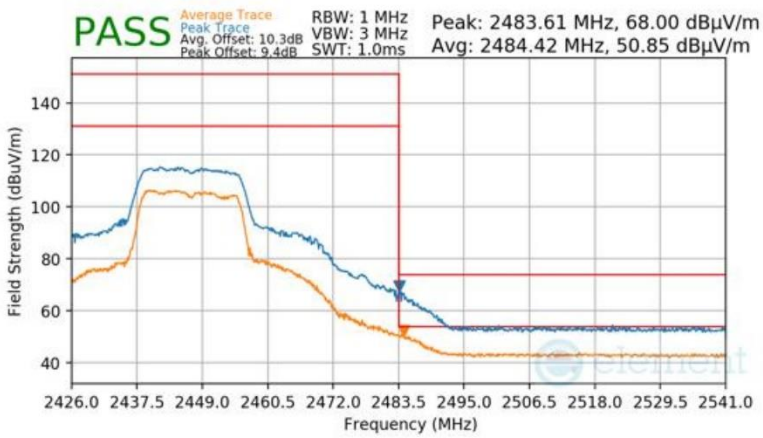
Plot 7-185 Radiated Restricted Lower Band Edge Measurement CDD

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



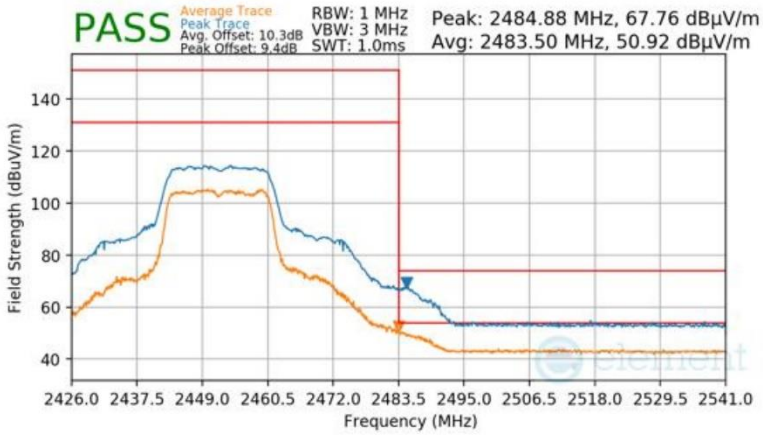
Plot 7-186 Radiated Restricted Upper Band Edge Measurement CDD

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



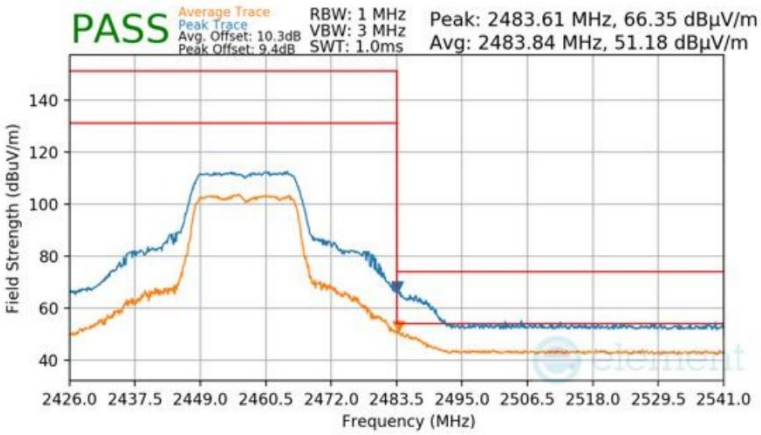
Plot 7-187 Radiated Restricted Upper Band Edge Measurement CDD

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



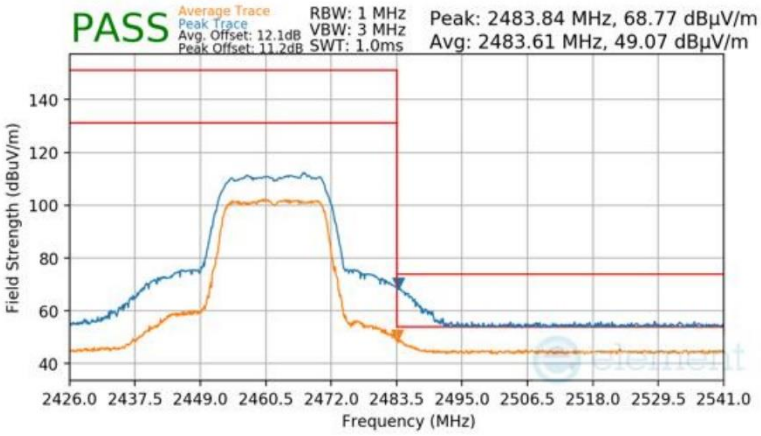
Plot 7-188 Radiated Restricted Upper Band Edge Measurement CDD

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



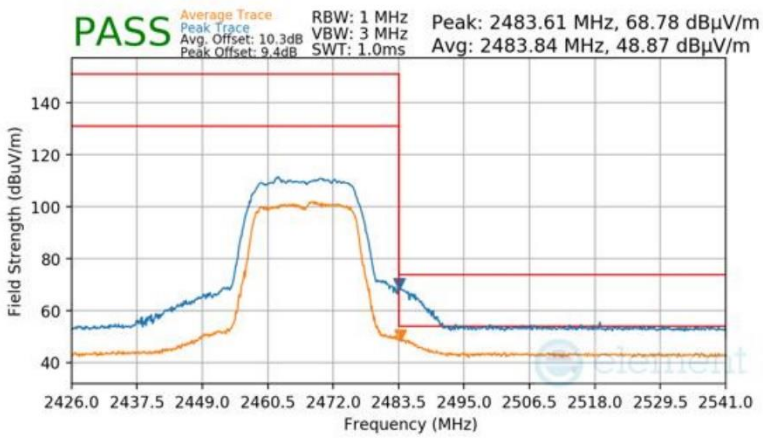
Plot 7-189 Radiated Restricted Upper Band Edge Measurement CDD

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



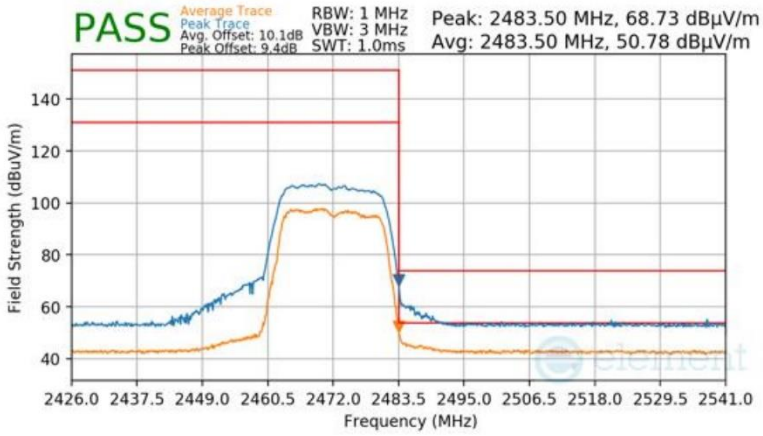
Plot 7-190 Radiated Restricted Upper Band Edge Measurement CDD

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



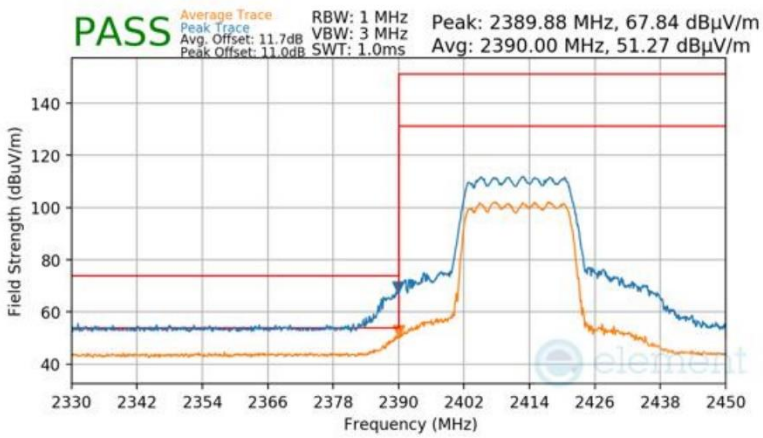
Plot 7-191 Radiated Restricted Upper Band Edge Measurement CDD

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



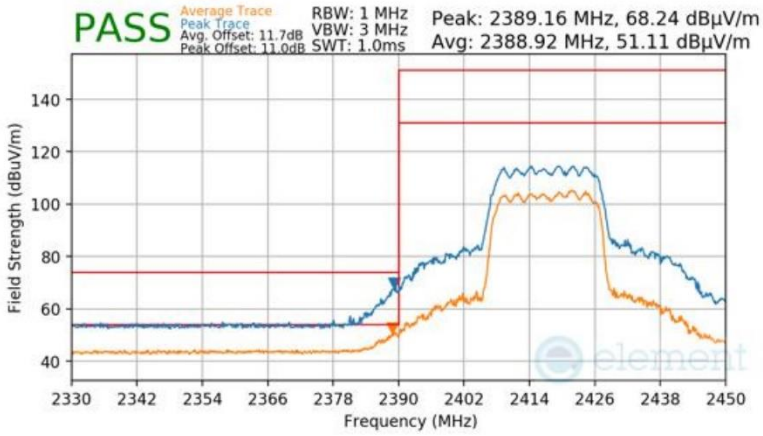
Plot 7-192 Radiated Restricted Upper Band Edge Measurement CDD

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



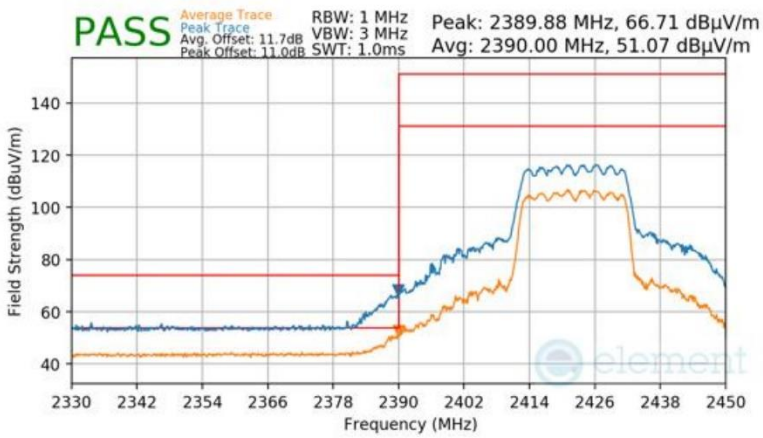
Plot 7-193 Radiated Restricted Lower Band Edge Measurement CDD

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



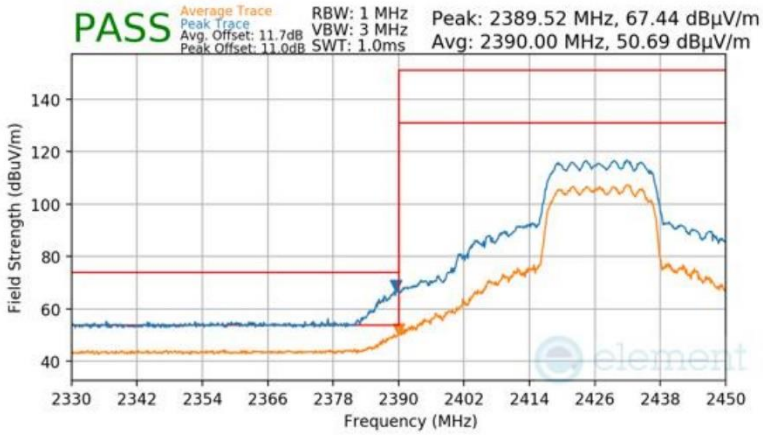
Plot 7-194 Radiated Restricted Lower Band Edge Measurement CDD

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



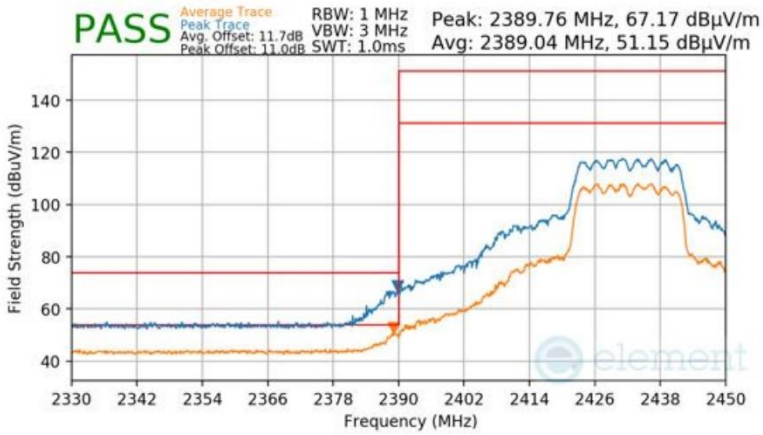
Plot 7-195 Radiated Restricted Lower Band Edge Measurement CDD

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



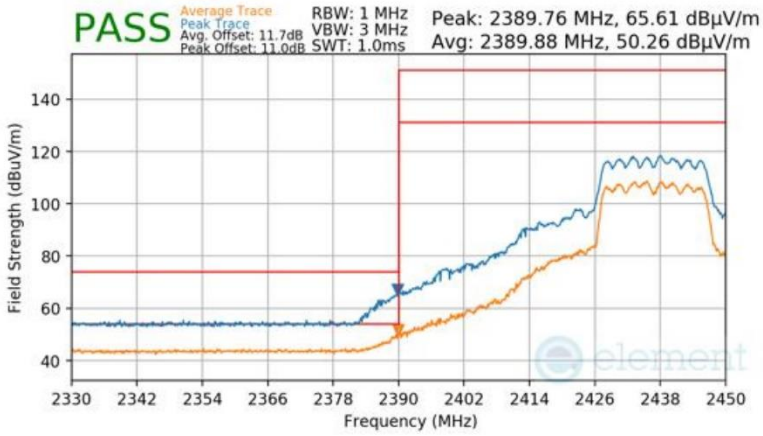
Plot 7-196 Radiated Restricted Lower Band Edge Measurement CDD

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



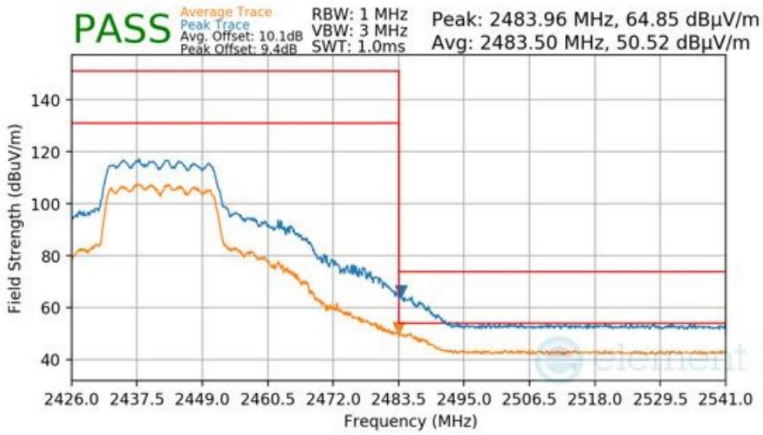
Plot 7-197 Radiated Restricted Lower Band Edge Measurement CDD

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



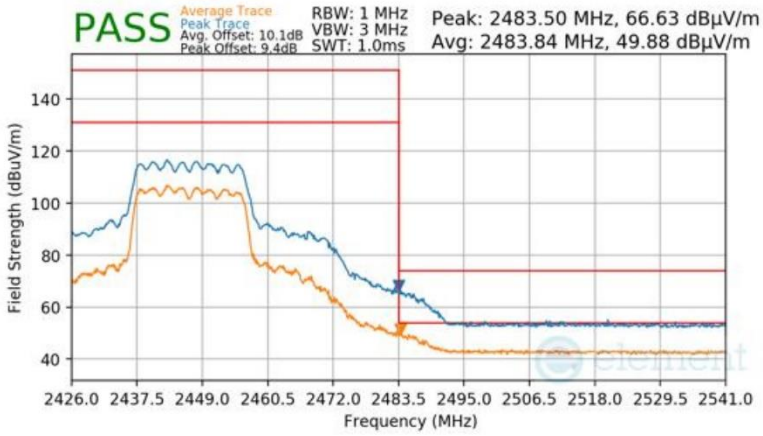
Plot 7-198 Radiated Restricted Lower Band Edge Measurement CDD

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



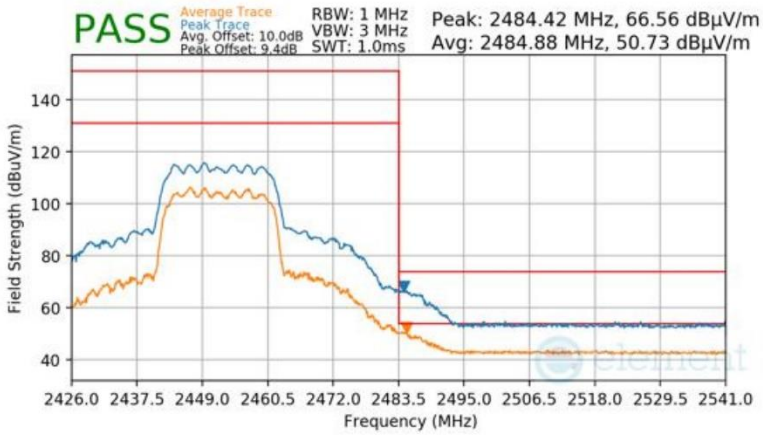
Plot 7-199 Radiated Restricted Upper Band Edge Measurement CDD

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



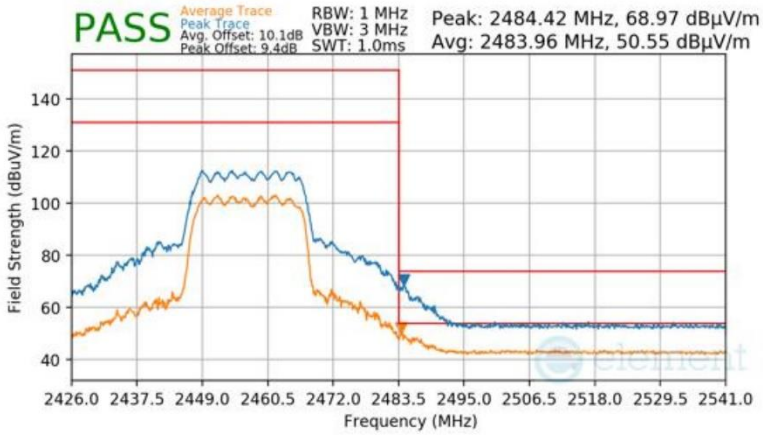
Plot 7-200 Radiated Restricted Upper Band Edge Measurement CDD

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



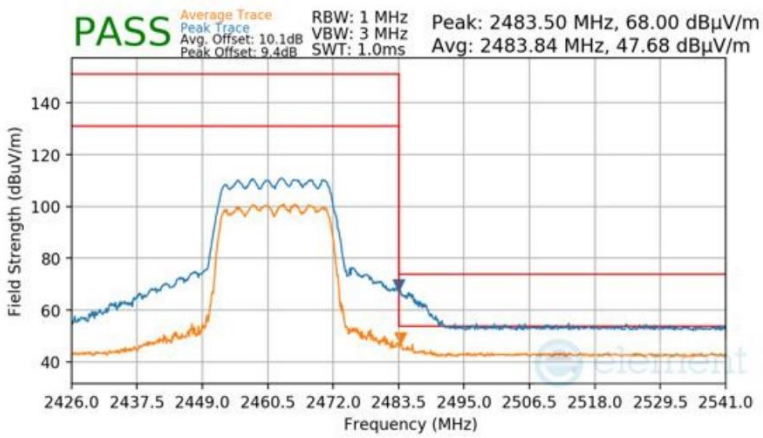
Plot 7-201 Radiated Restricted Upper Band Edge Measurement CDD

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



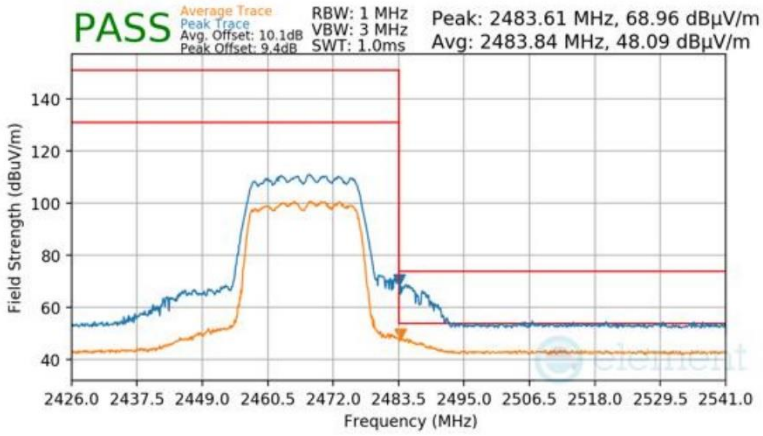
Plot 7-202 Radiated Restricted Upper Band Edge Measurement CDD

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



Plot 7-203 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 7-204 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 7-42 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 7-42. 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.

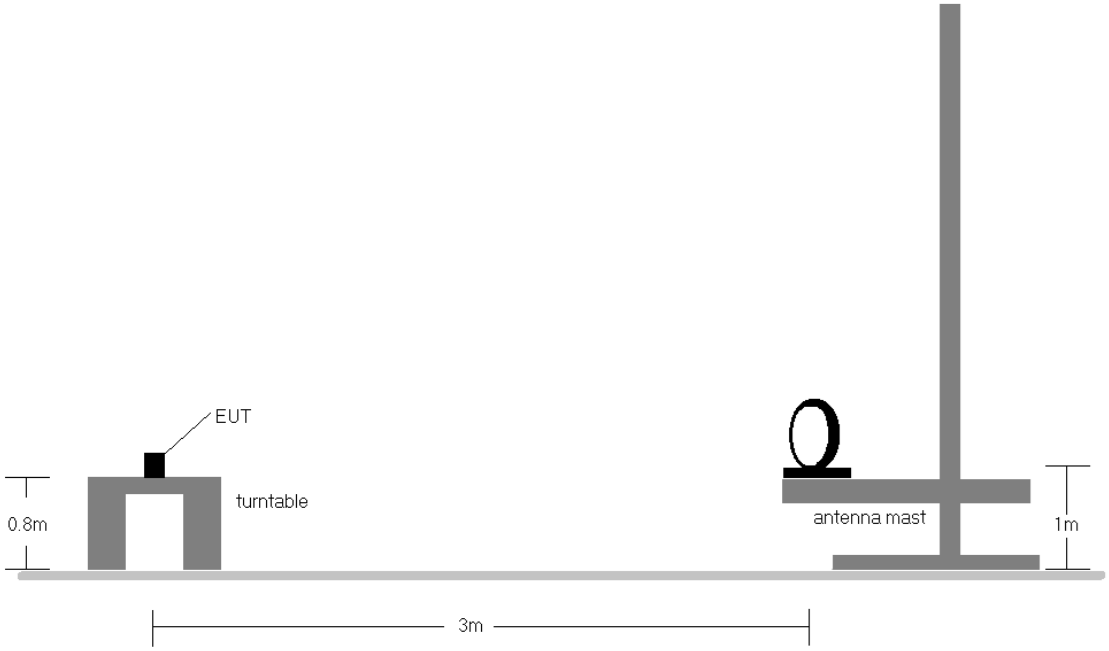


Figure 7-7. Radiated Test Setup < 30Mhz

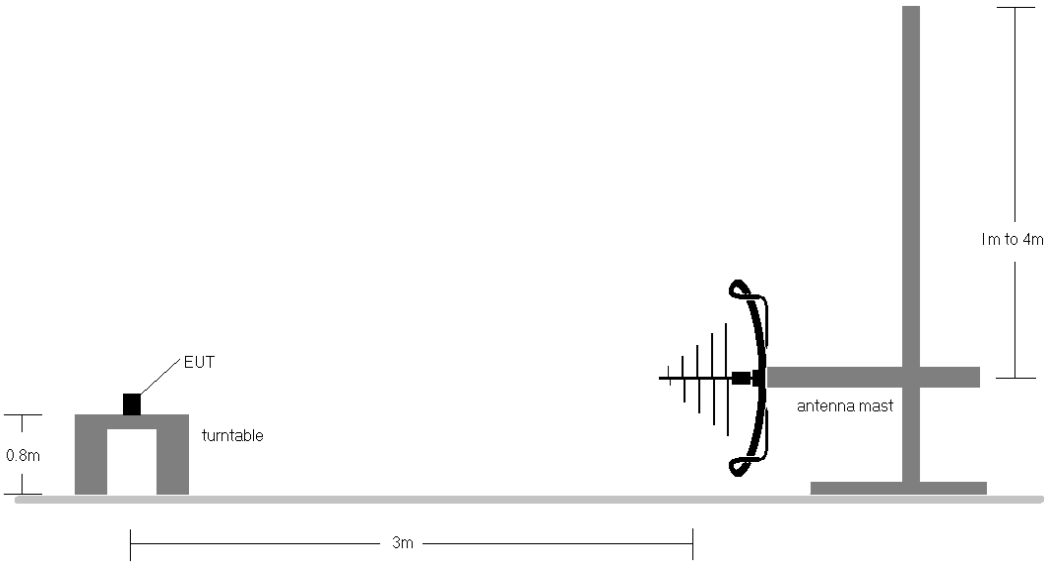


Figure 7-8. Radiated Test Setup < 1GHz

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 7-42.
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.

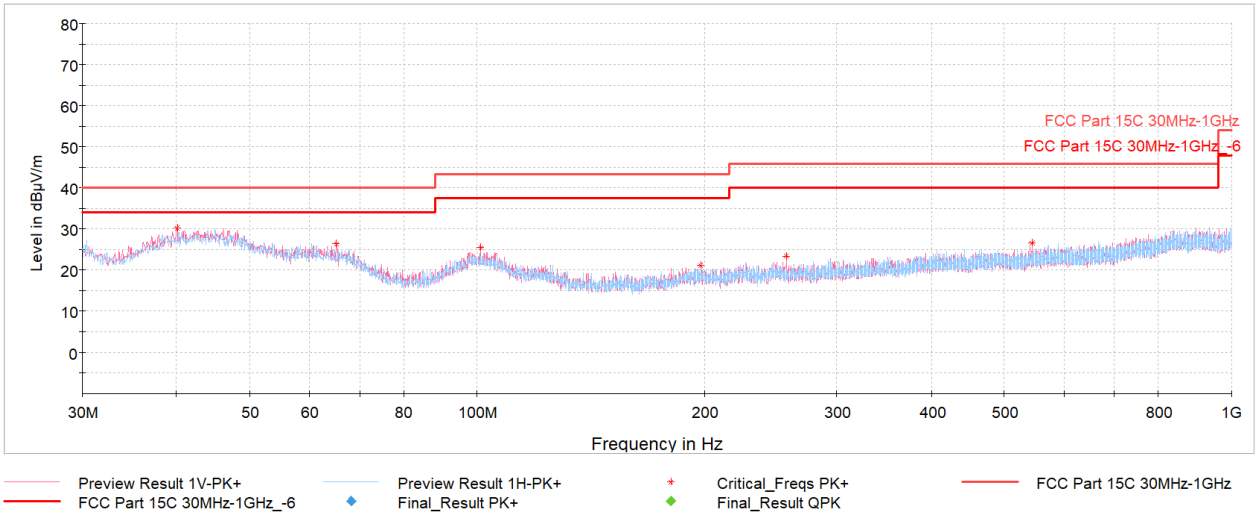
Sample Calculations

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)

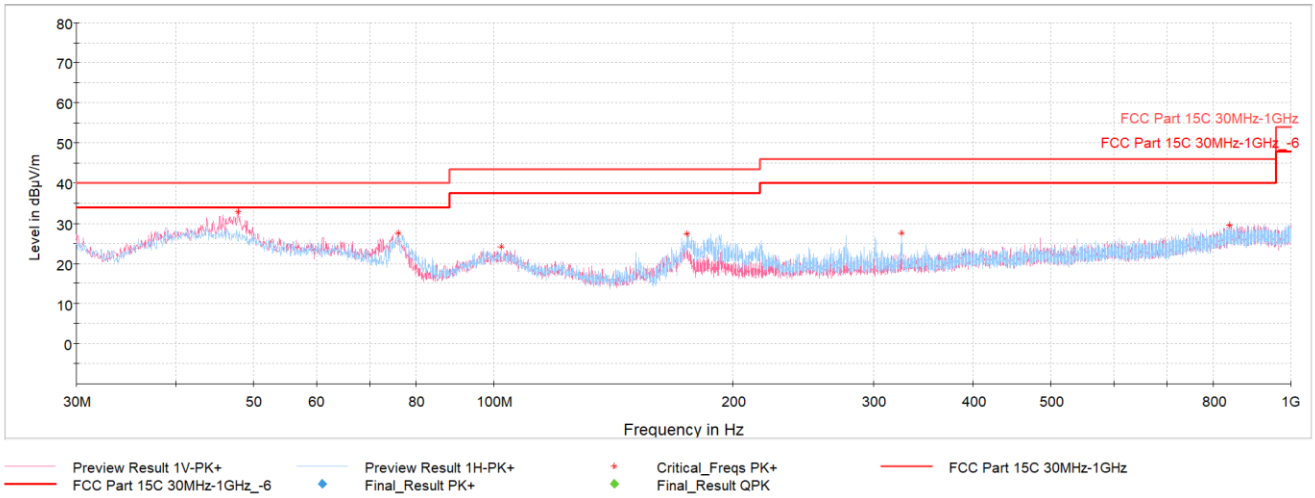
§15.209; RSS-Gen [8.9]



Plot 7-205. 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]
40.04	Max-Peak	V	300	336	-60.96	-15.76	30.28	40.00	-9.72
65.26	Max-Peak	V	200	135	-63.33	-17.41	26.26	40.00	-13.74
101.20	Max-Peak	V	200	12	-65.15	-16.47	25.38	43.52	-18.14
198.00	Max-Peak	H	100	73	-70.26	-15.71	21.03	43.52	-22.49
257.32	Max-Peak	V	300	57	-69.51	-14.15	23.34	46.02	-22.68
544.49	Max-Peak	V	100	15	-72.45	-7.92	26.63	46.02	-19.39

Table 7-43. Radiated Spurious Emissions below 1GHz CDD 11n Ch.6, with AC/DC Adapter



Plot 7-206. 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]
47.85	Max-Peak	V	100	119	-59.80	-14.36	32.84	40.00	-7.16
76.08	Max-Peak	H	300	65	-58.24	-21.19	27.57	40.00	-12.43
102.27	Max-Peak	H	200	261	-66.49	-16.41	24.10	43.52	-19.42
174.97	Max-Peak	H	100	129	-61.33	-18.30	27.37	43.52	-16.15
325.37	Max-Peak	H	100	255	-66.86	-12.48	27.66	46.02	-18.36
838.16	Max-Peak	V	100	113	-75.26	-2.25	29.49	46.02	-16.53

Table 7-44. 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 7-45. 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.

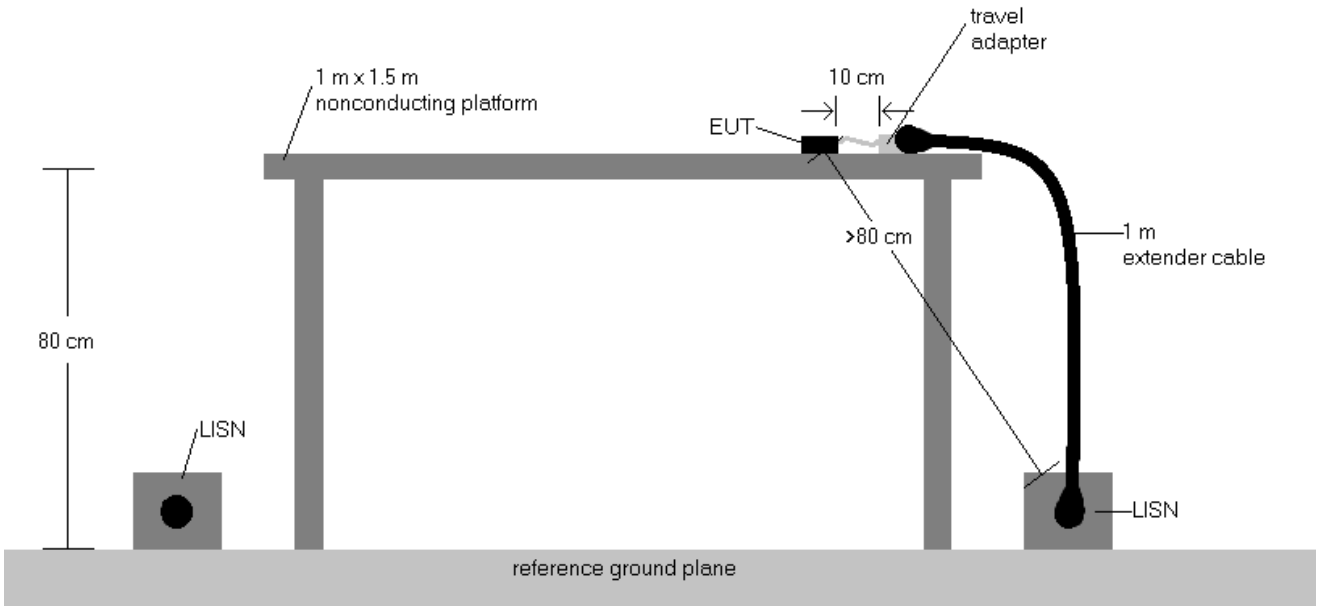
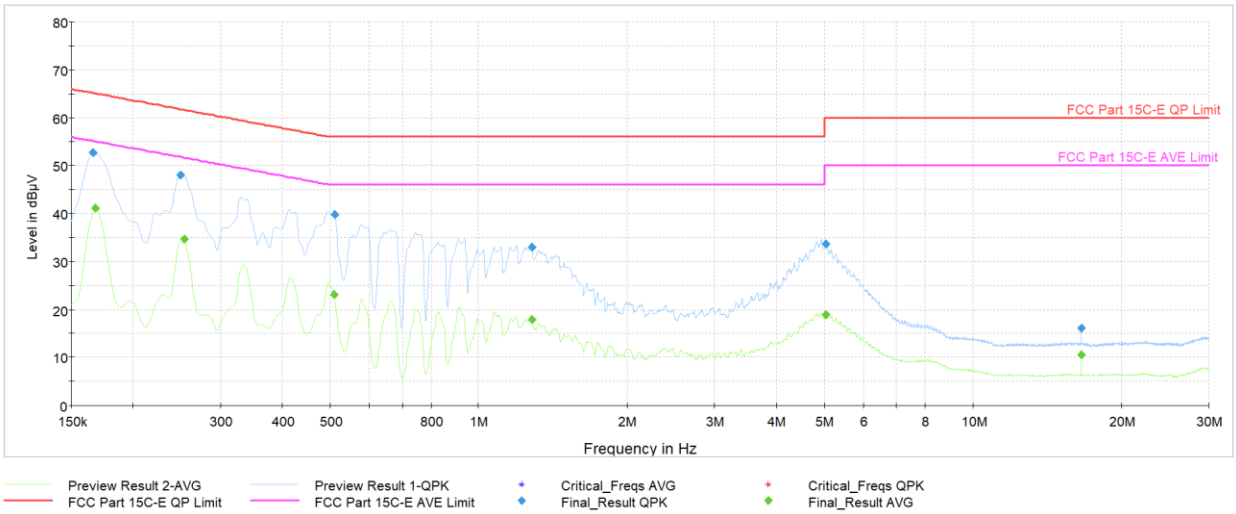


Figure 7-9. Test Instrument & Measurement Setup

Test Notes

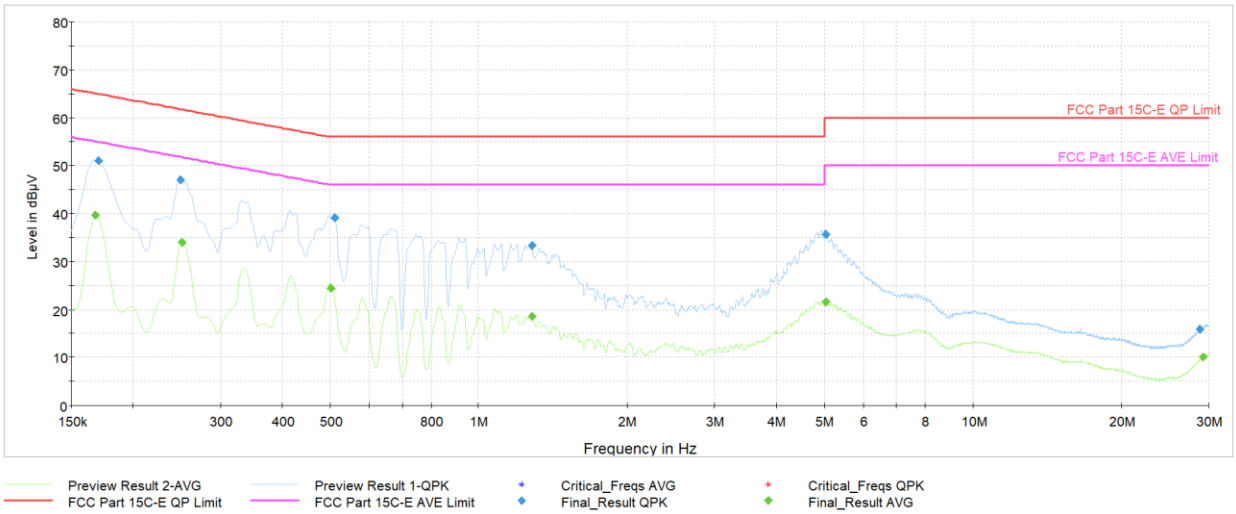
1. All modes of operation were investigated and the worst-case emissions are reported. The emissions found were not affected by the choice of channel used during testing.
2. Both configurations below were investigated, and the worst case has been reported.
   a. EUT powered by AC/DC adaptor via USB-C 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 7-207. 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
0.166	FINAL	52.7	---	65.17	-12.52	L1	GND
0.168	FINAL	---	41.10	55.06	-13.96	L1	GND
0.249	FINAL	48.0	---	61.79	-13.83	L1	GND
0.254	FINAL	---	34.57	51.64	-17.07	L1	GND
0.510	FINAL	---	23.03	46.00	-22.97	L1	GND
0.512	FINAL	39.9	---	56.00	-16.10	L1	GND
1.280	FINAL	33.0	---	56.00	-23.01	L1	GND
1.280	FINAL	---	17.97	46.00	-28.03	L1	GND
5.044	FINAL	---	18.87	50.00	-31.13	L1	GND
5.048	FINAL	33.6	---	60.00	-26.40	L1	GND
16.595	FINAL	---	10.58	50.00	-39.42	L1	GND
16.595	FINAL	16.1	---	60.00	-43.94	L1	GND

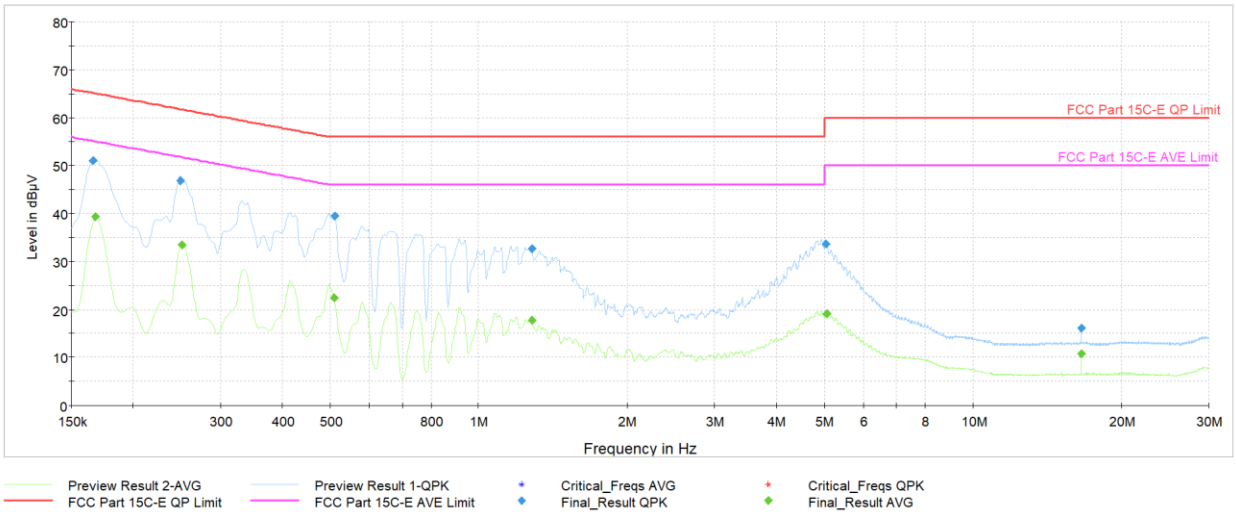
Table 7-46. AC Line Conducted Data with CDD 11n Ch.6 (L1, with AC/DC Adapter)



Plot 7-208. 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
0.168	FINAL	---	39.63	55.06	-15.42	N	GND
0.170	FINAL	51.0	---	64.95	-13.98	N	GND
0.249	FINAL	47.0	---	61.79	-14.80	N	GND
0.251	FINAL	---	33.96	51.72	-17.76	N	GND
0.503	FINAL	---	24.47	46.00	-21.53	N	GND
0.512	FINAL	39.1	---	56.00	-16.92	N	GND
1.280	FINAL	---	18.61	46.00	-27.39	N	GND
1.282	FINAL	33.3	---	56.00	-22.69	N	GND
5.044	FINAL	---	21.57	50.00	-28.43	N	GND
5.051	FINAL	35.6	---	60.00	-24.37	N	GND
28.806	FINAL	15.9	---	60.00	-44.14	N	GND
29.218	FINAL	---	10.09	50.00	-39.91	N	GND

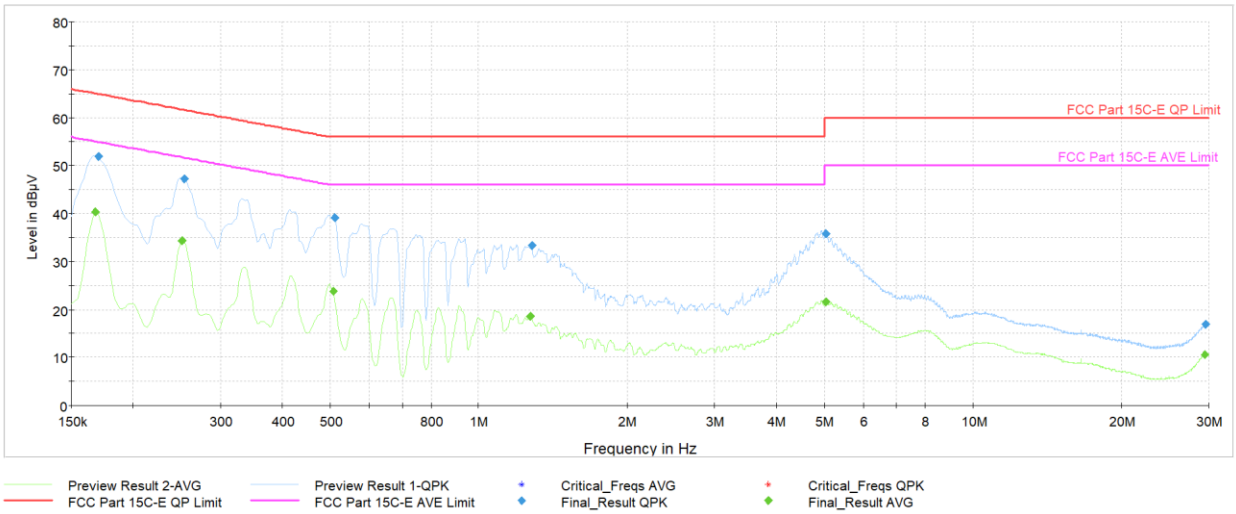
Table 7-47. AC Line Conducted Data with CDD 11n Ch.6 (N, with AC/DC Adapter)



Plot 7-209. 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
0.166	FINAL	51.1	---	65.17	-14.11	L1	GND
0.168	FINAL	---	39.28	55.06	-15.77	L1	GND
0.249	FINAL	46.9	---	61.79	-14.90	L1	GND
0.251	FINAL	---	33.53	51.72	-18.19	L1	GND
0.510	FINAL	---	22.44	46.00	-23.56	L1	GND
0.512	FINAL	39.5	---	56.00	-16.51	L1	GND
1.280	FINAL	---	17.79	46.00	-28.21	L1	GND
1.284	FINAL	32.7	---	56.00	-23.34	L1	GND
5.051	FINAL	33.6	---	60.00	-26.39	L1	GND
5.053	FINAL	---	19.02	50.00	-30.98	L1	GND
16.586	FINAL	---	10.65	50.00	-39.35	L1	GND
16.586	FINAL	16.1	---	60.00	-43.94	L1	GND

Table 7-48. AC Line Conducted Data with CDD 11ax - SU Ch.6 (L1, with AC/DC Adapter)



Plot 7-210. 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
0.168	FINAL	---	40.26	55.06	-14.80	N	GND
0.170	FINAL	52.0	---	64.95	-13.00	N	GND
0.251	FINAL	---	34.29	51.72	-17.42	N	GND
0.254	FINAL	47.2	---	61.64	-14.44	N	GND
0.508	FINAL	---	23.72	46.00	-22.28	N	GND
0.512	FINAL	39.2	---	56.00	-16.80	N	GND
1.273	FINAL	---	18.55	46.00	-27.45	N	GND
1.282	FINAL	33.3	---	56.00	-22.71	N	GND
5.042	FINAL	35.8	---	60.00	-24.18	N	GND
5.042	FINAL	---	21.60	50.00	-28.40	N	GND
29.418	FINAL	---	10.46	50.00	-39.54	N	GND
29.585	FINAL	17.0	---	60.00	-43.05	N	GND

Table 7-49. 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: BCGA3269, IC: 579C-A3269** 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.