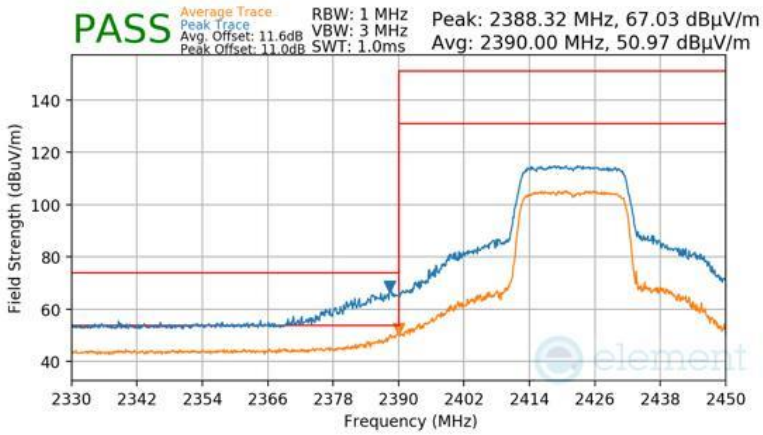
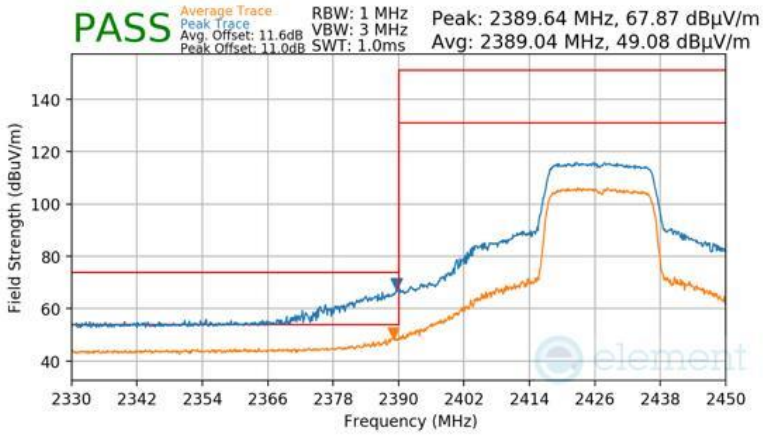
Mode	802.11ax-SU
Data Rate	MCS9
Distance of Measurement	3 Meters
Operating Frequency	2422MHz
Channel	3



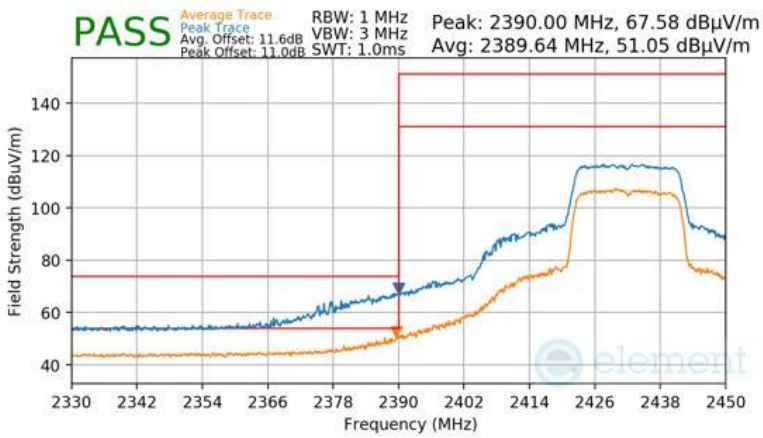
Plot 7-159 Radiated Restricted Lower Band Edge Measurement Antenna WF8

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



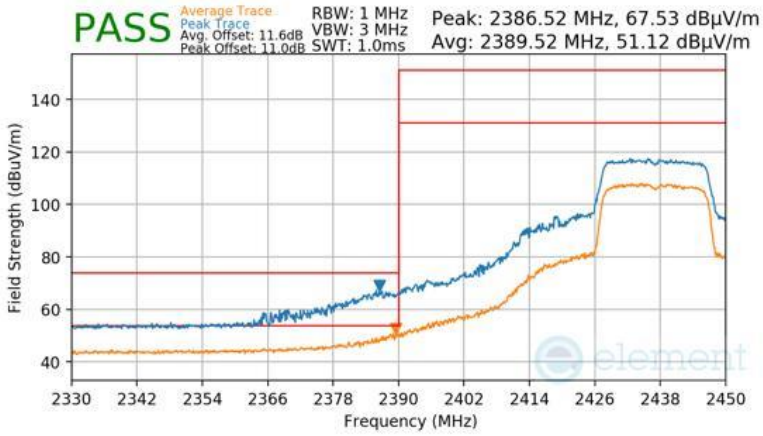
Plot 7-160 Radiated Restricted Lower Band Edge Measurement Antenna WF8

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



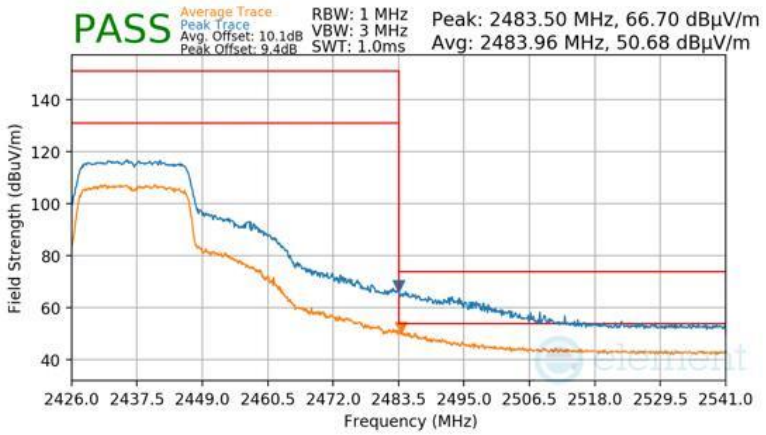
Plot 7-161 Radiated Restricted Lower Band Edge Measurement Antenna WF8

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



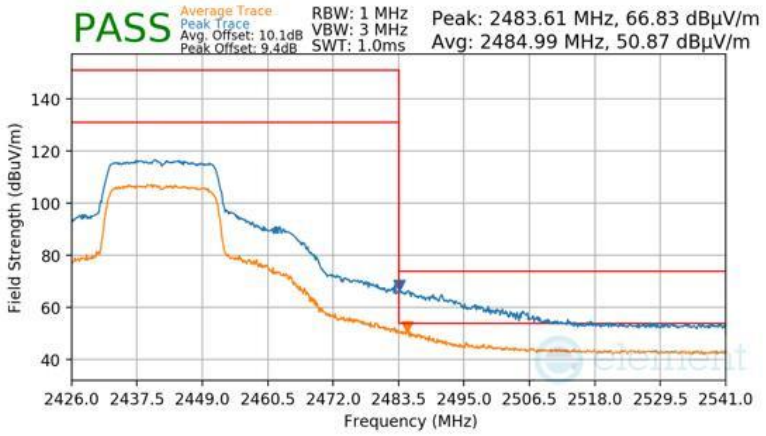
Plot 7-162 Radiated Restricted Lower Band Edge Measurement Antenna WF8

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



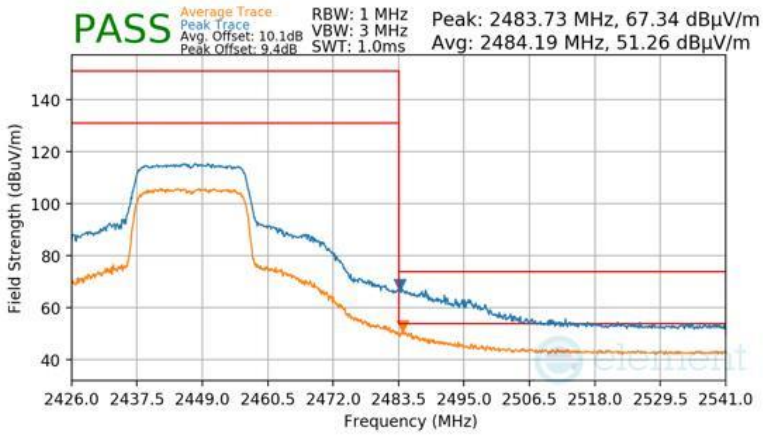
Plot 7-163 Radiated Restricted Upper Band Edge Measurement Antenna WF8

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



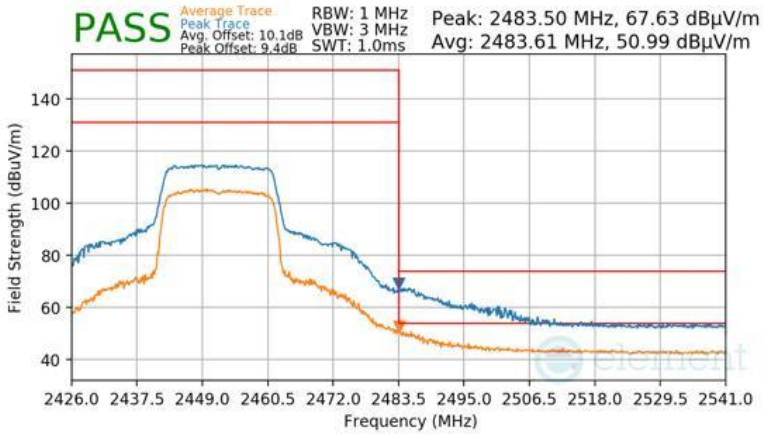
Plot 7-164 Radiated Restricted Upper Band Edge Measurement Antenna WF8

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



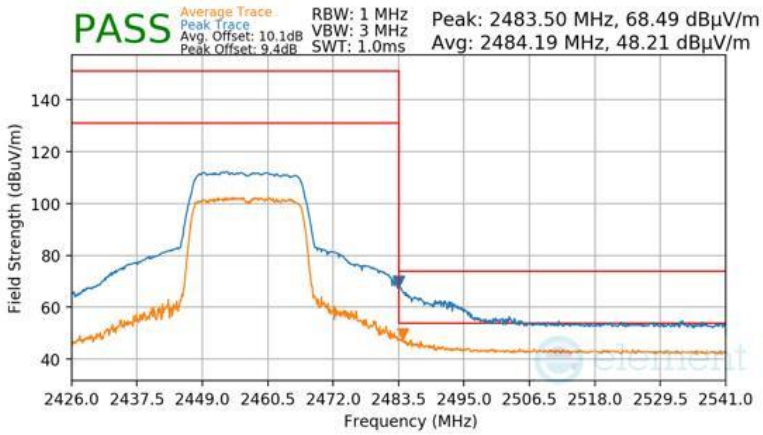
Plot 7-165 Radiated Restricted Upper Band Edge Measurement Antenna WF8

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



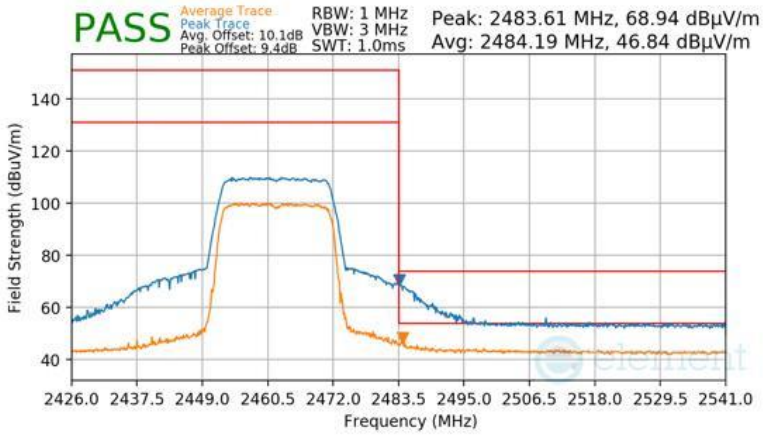
Plot 7-166 Radiated Restricted Upper Band Edge Measurement Antenna WF8

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



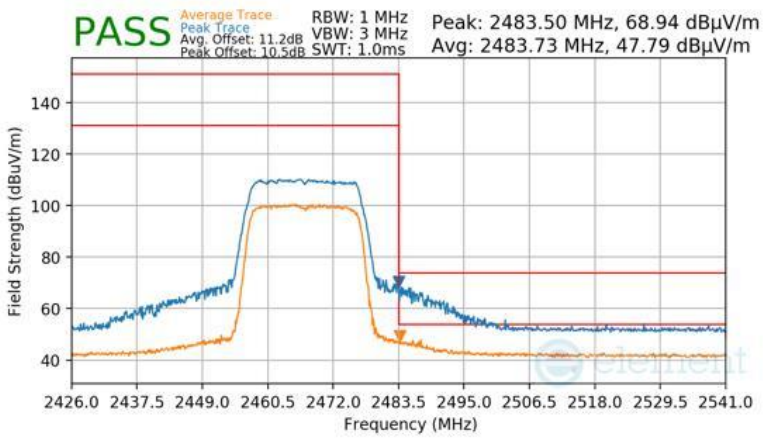
Plot 7-167 Radiated Restricted Upper Band Edge Measurement Antenna WF8

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



Plot 7-168 Radiated Restricted Upper Band Edge Measurement Antenna WF8

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

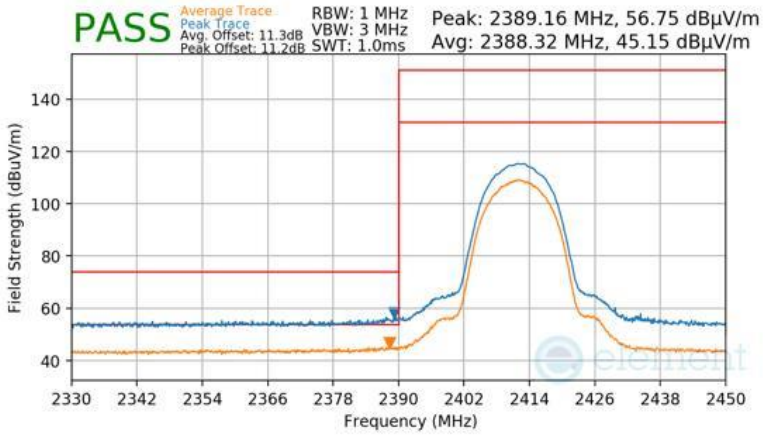


Plot 7-169 Radiated Restricted Upper Band Edge Measurement Antenna WF8

7.7.5 Antenna WF7b Radiated Restricted Band Edge Measurements

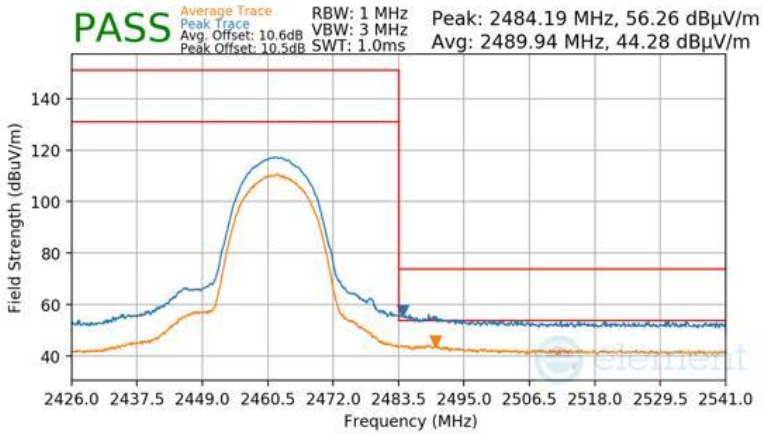
§15.205 §15.209; RSS-Gen [8.9]

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



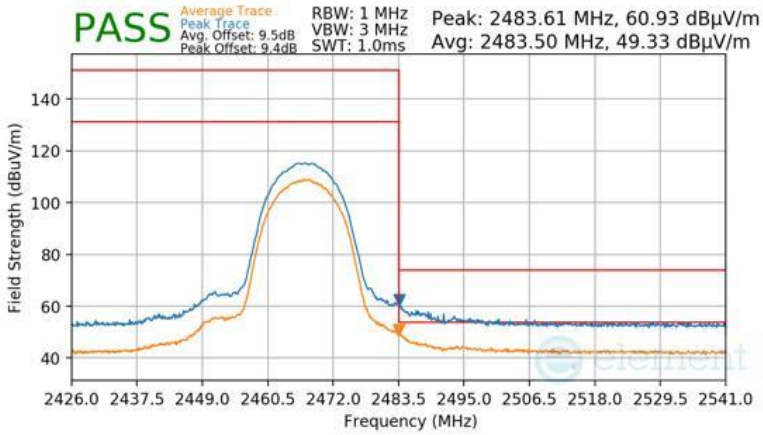
Plot 7-170 Radiated Restricted Lower Band Edge Measurement Antenna WF7b

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



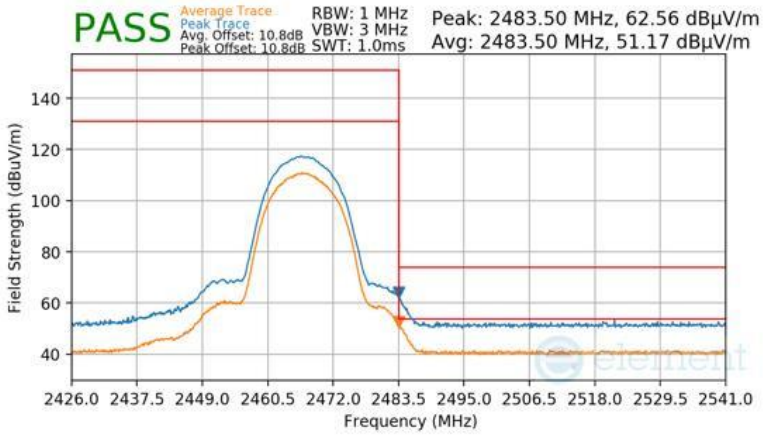
Plot 7-171 Radiated Restricted Upper Band Edge Measurement Antenna WF7b

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



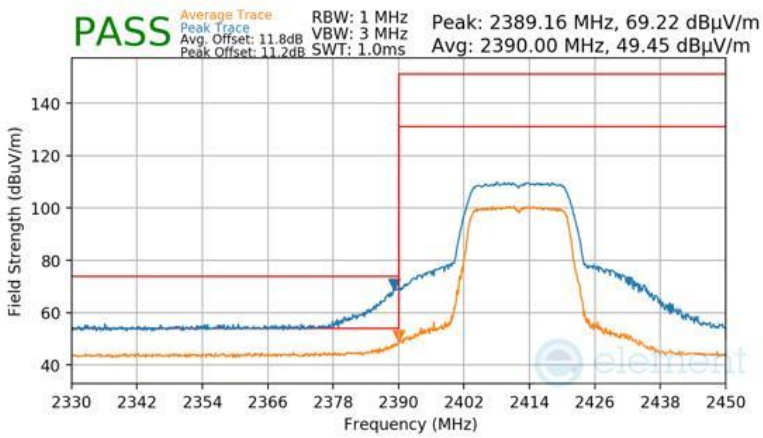
Plot 7-172 Radiated Restricted Upper Band Edge Measurement Antenna WF7b

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



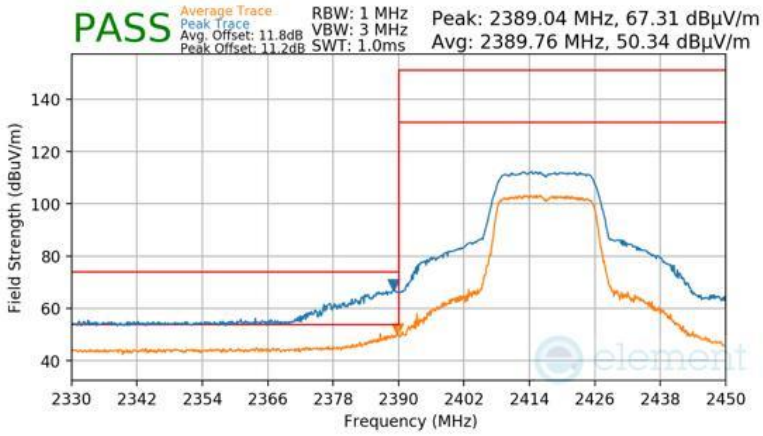
Plot 7-173 Radiated Restricted Upper Band Edge Measurement Antenna WF7b

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



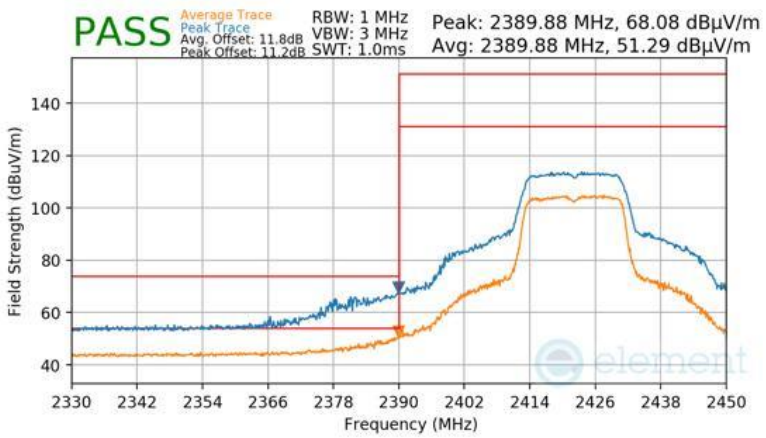
Plot 7-174 Radiated Restricted Lower Band Edge Measurement Antenna WF7b

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



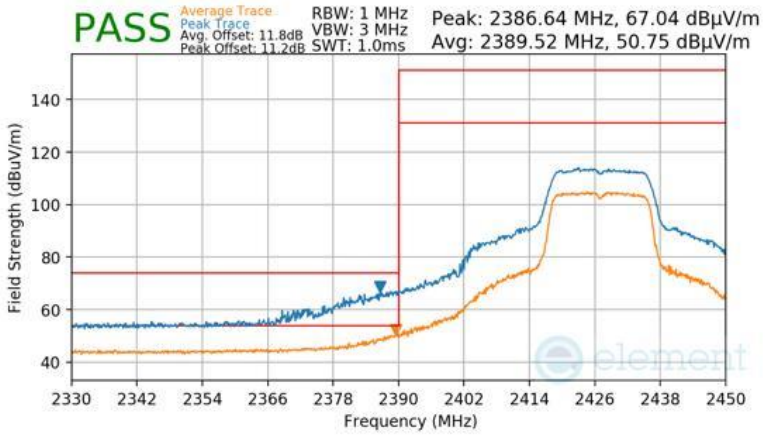
Plot 7-175 Radiated Restricted Lower Band Edge Measurement Antenna WF7b

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



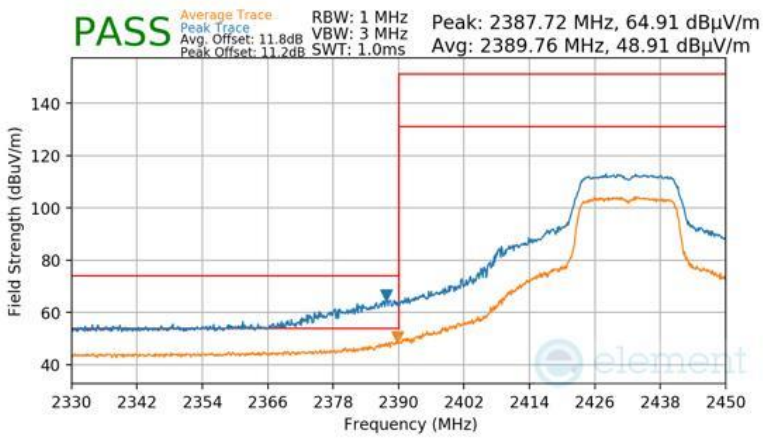
Plot 7-176 Radiated Restricted Lower Band Edge Measurement Antenna WF7b

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



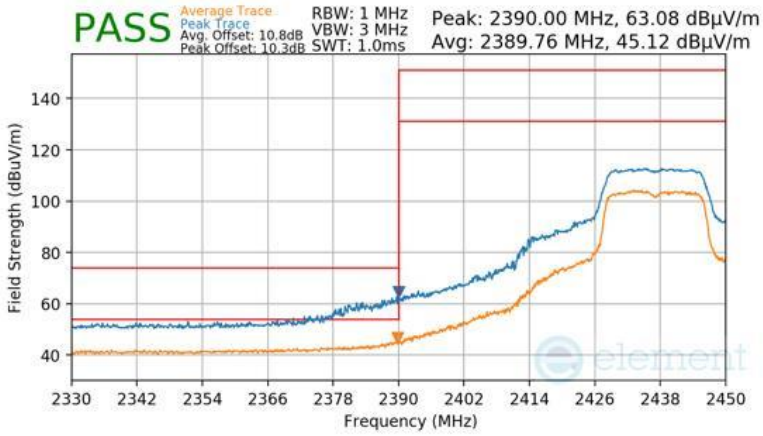
Plot 7-177 Radiated Restricted Lower Band Edge Measurement Antenna WF7b

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



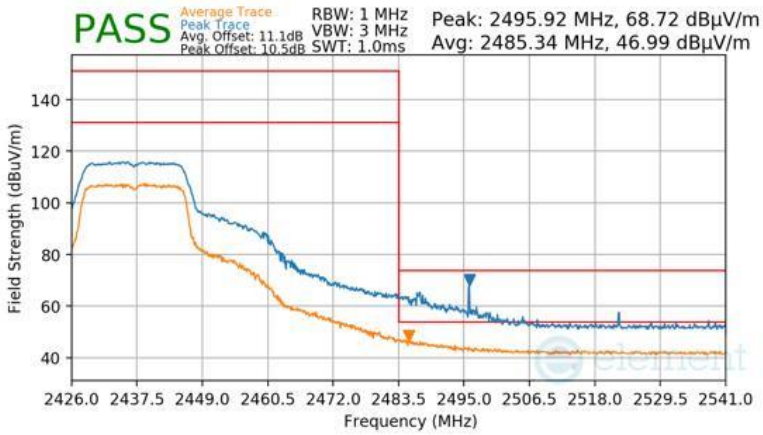
Plot 7-178 Radiated Restricted Lower Band Edge Measurement Antenna WF7b

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



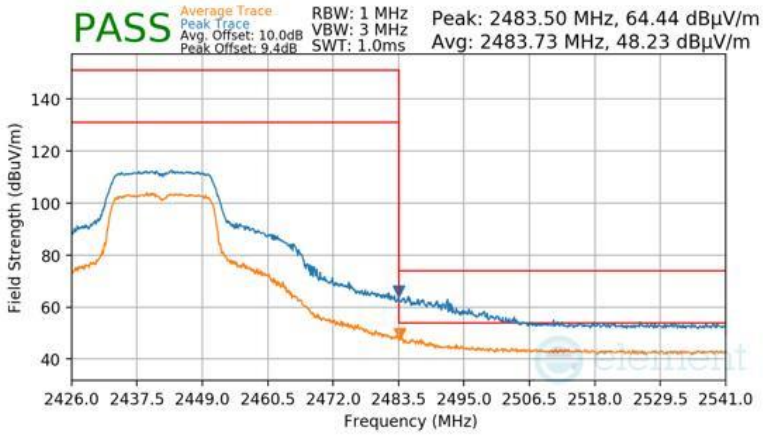
Plot 7-179 Radiated Restricted Lower Band Edge Measurement Antenna WF7b

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



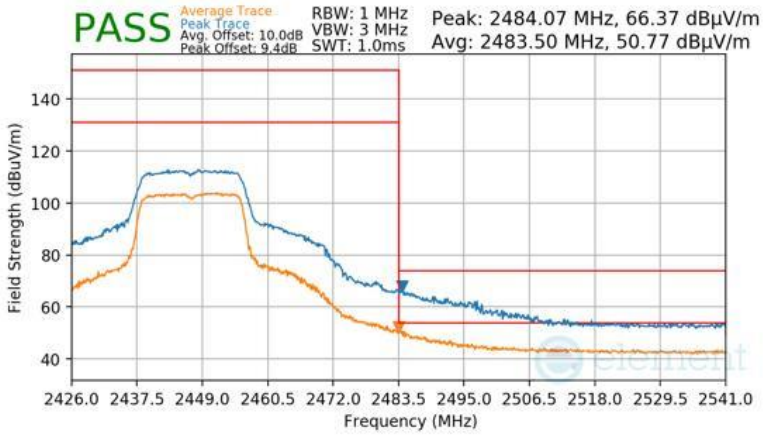
Plot 7-180 Radiated Restricted Upper Band Edge Measurement Antenna WF7b

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



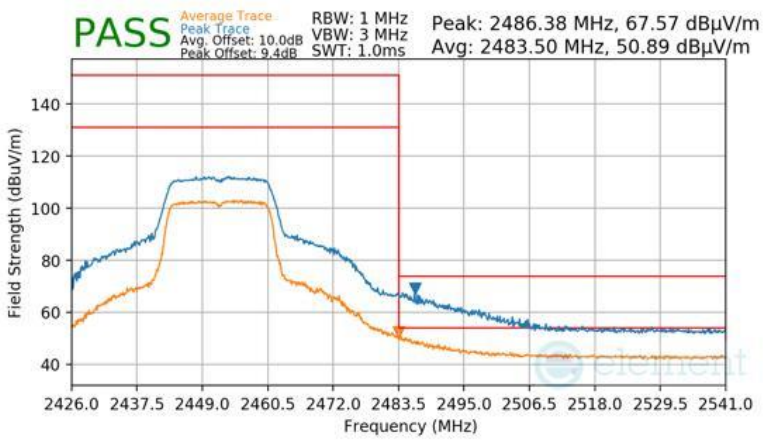
Plot 7-181 Radiated Restricted Upper Band Edge Measurement Antenna WF7b

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



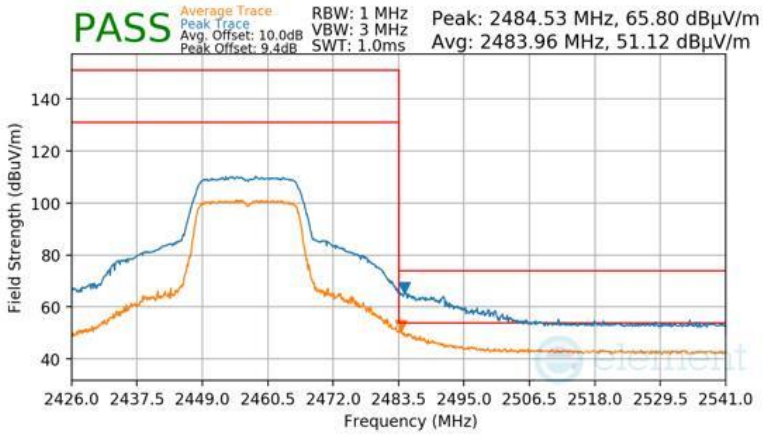
Plot 7-182 Radiated Restricted Upper Band Edge Measurement Antenna WF7b

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



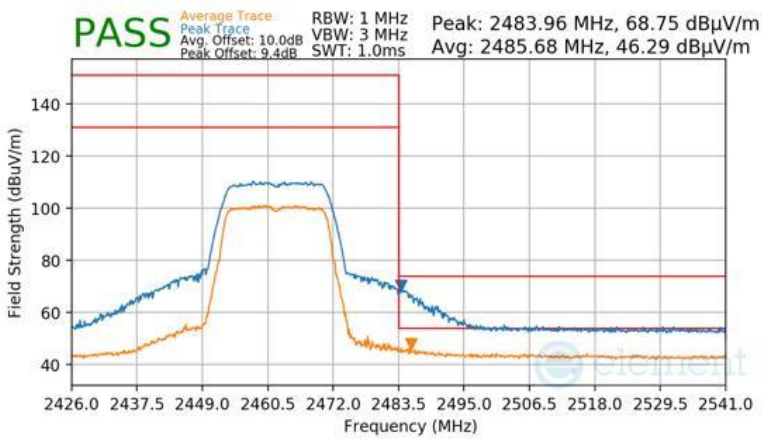
Plot 7-183 Radiated Restricted Upper Band Edge Measurement Antenna WF7b

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



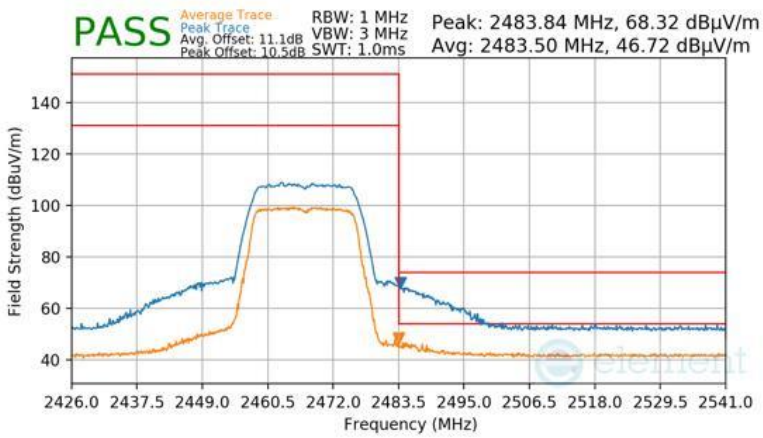
Plot 7-184 Radiated Restricted Upper Band Edge Measurement Antenna WF7b

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



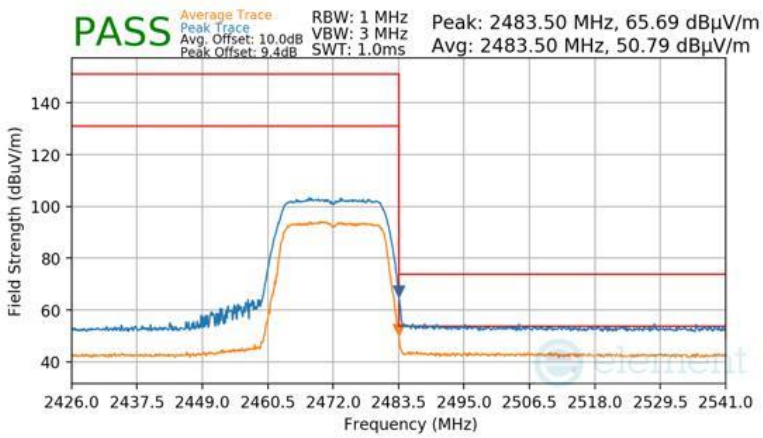
Plot 7-185 Radiated Restricted Upper Band Edge Measurement Antenna WF7b

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



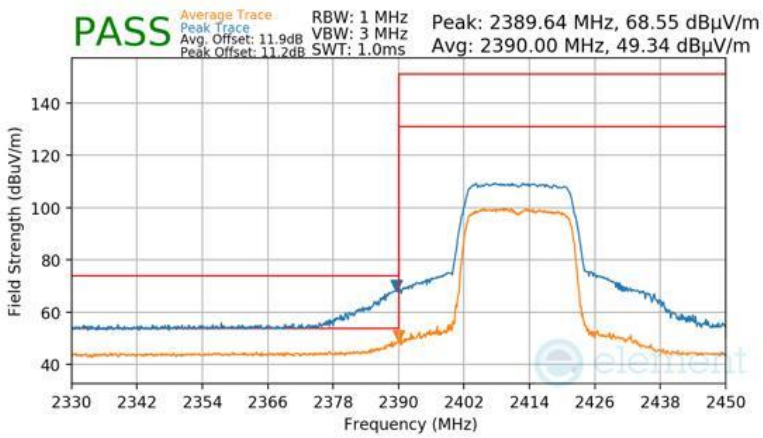
Plot 7-186 Radiated Restricted Upper Band Edge Measurement Antenna WF7b

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



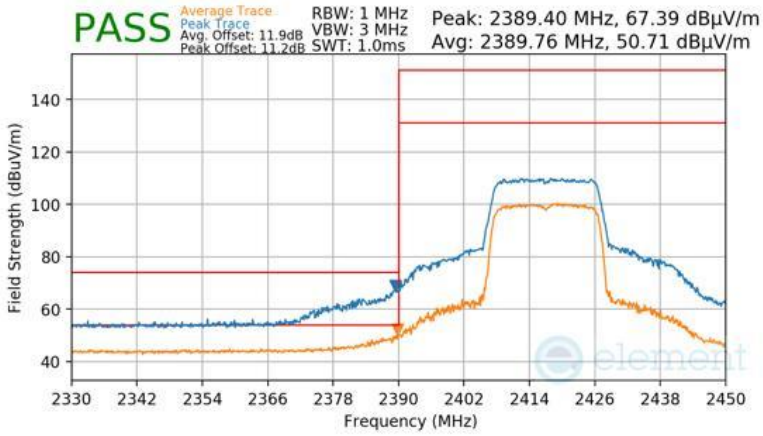
Plot 7-187 Radiated Restricted Upper Band Edge Measurement Antenna WF7b

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



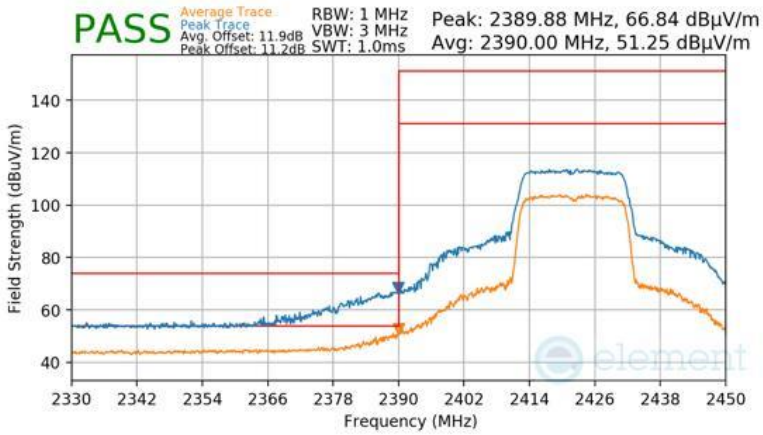
Plot 7-188 Radiated Restricted Lower Band Edge Measurement Antenna WF7b

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



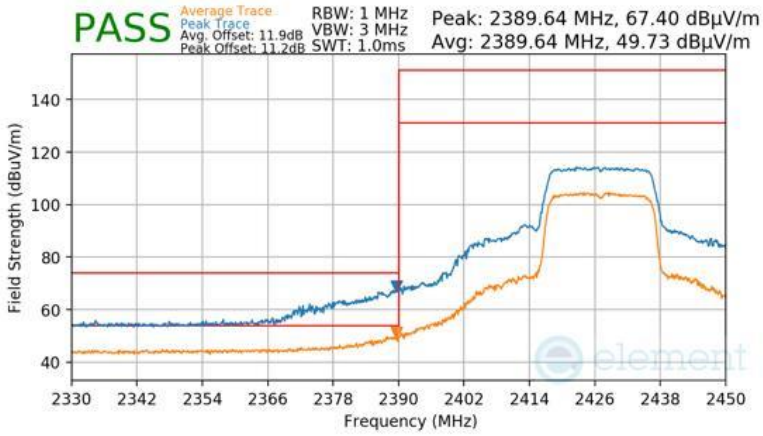
Plot 7-189 Radiated Restricted Lower Band Edge Measurement Antenna WF7b

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



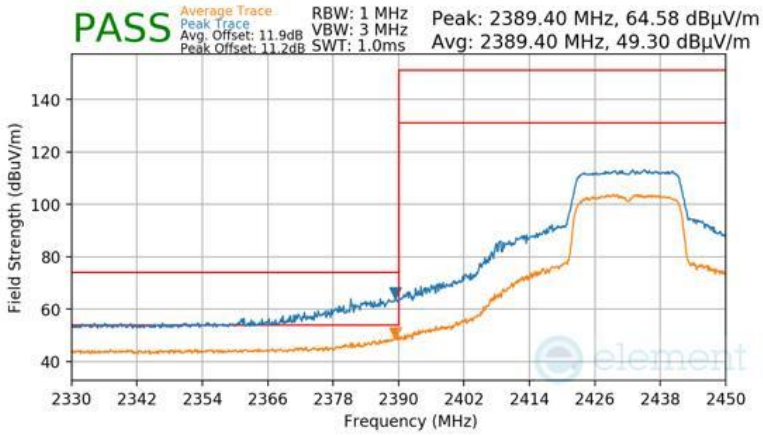
Plot 7-190 Radiated Restricted Lower Band Edge Measurement Antenna WF7b

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



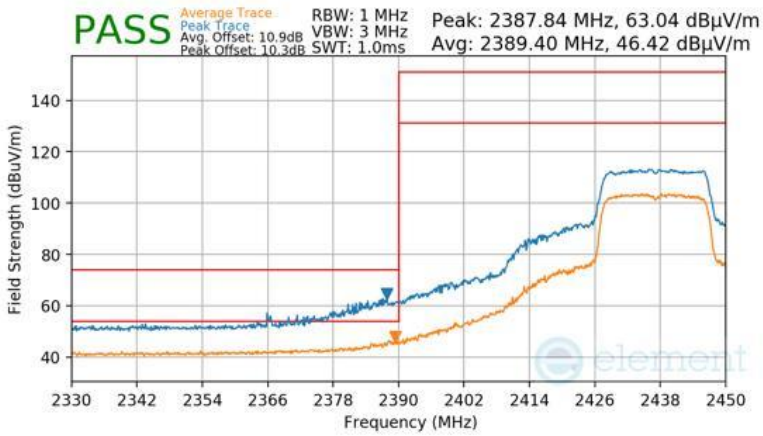
Plot 7-191 Radiated Restricted Lower Band Edge Measurement Antenna WF7b

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



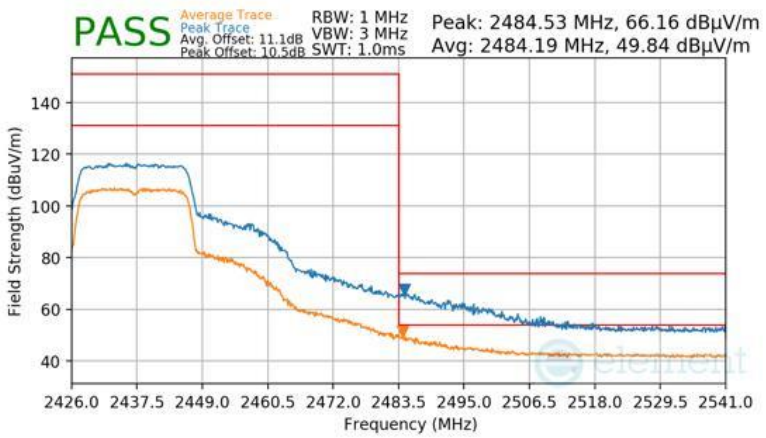
Plot 7-192 Radiated Restricted Lower Band Edge Measurement Antenna WF7b

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



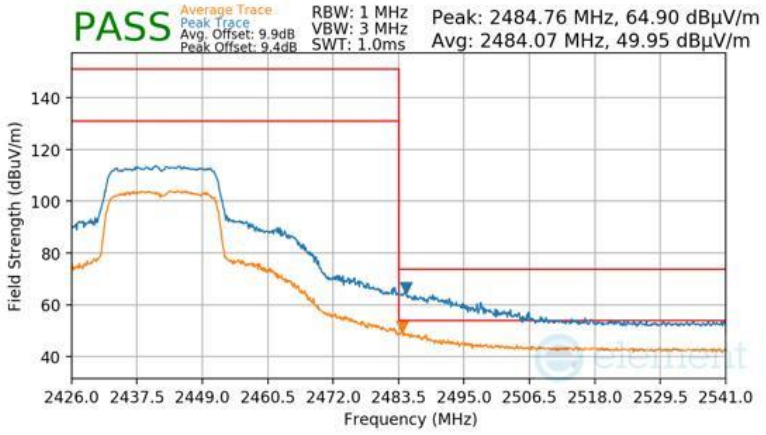
Plot 7-193 Radiated Restricted Lower Band Edge Measurement Antenna WF7b

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



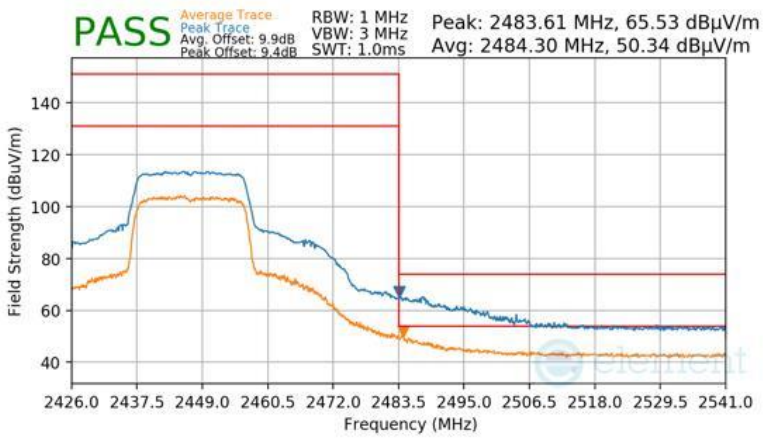
Plot 7-194 Radiated Restricted Upper Band Edge Measurement Antenna WF7b

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



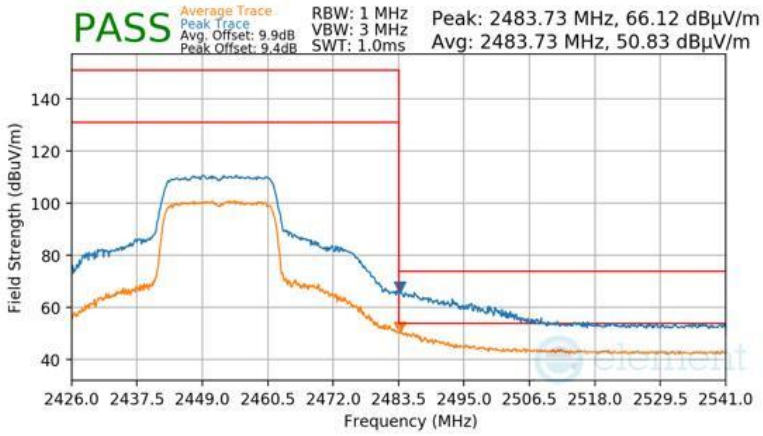
Plot 7-195 Radiated Restricted Upper Band Edge Measurement Antenna WF7b

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



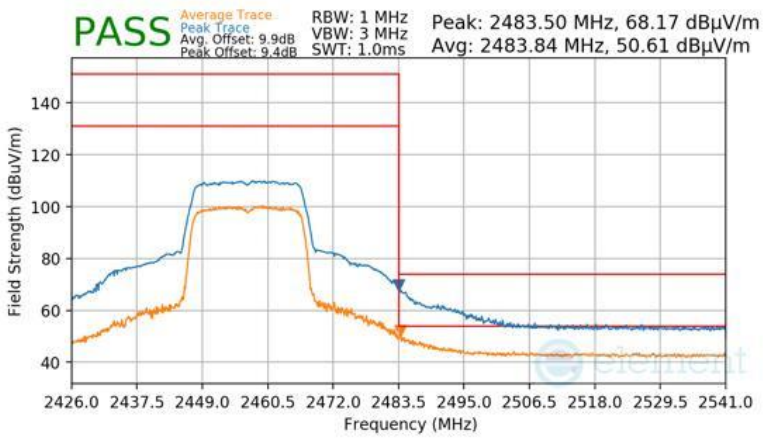
Plot 7-196 Radiated Restricted Upper Band Edge Measurement Antenna WF7b

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



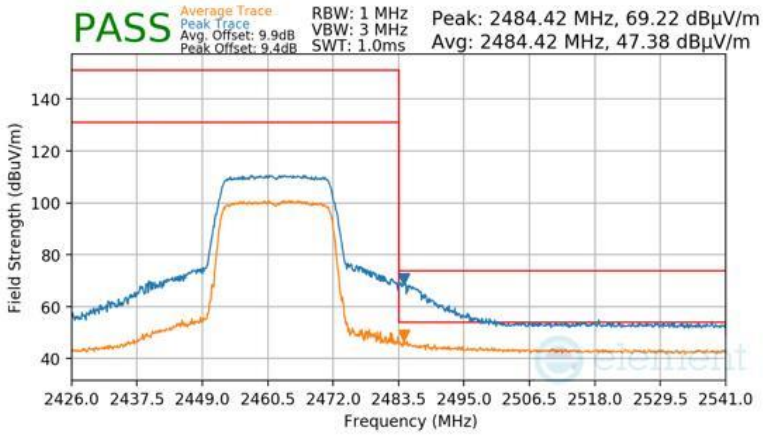
Plot 7-197 Radiated Restricted Upper Band Edge Measurement Antenna WF7b

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



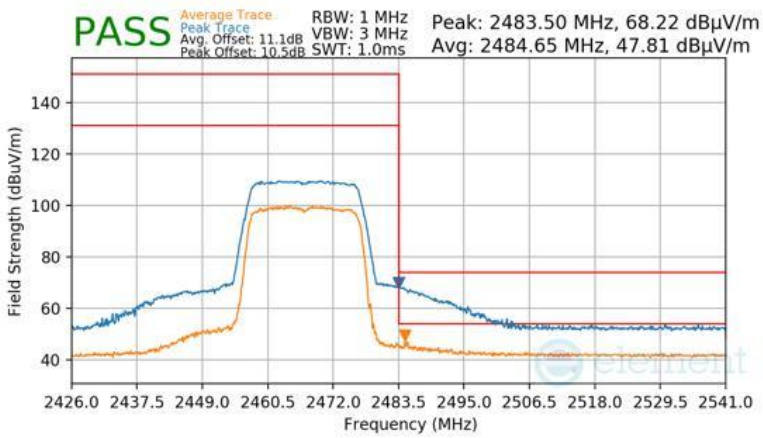
Plot 7-198 Radiated Restricted Upper Band Edge Measurement Antenna WF7b

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



Plot 7-199 Radiated Restricted Upper Band Edge Measurement Antenna WF7b

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

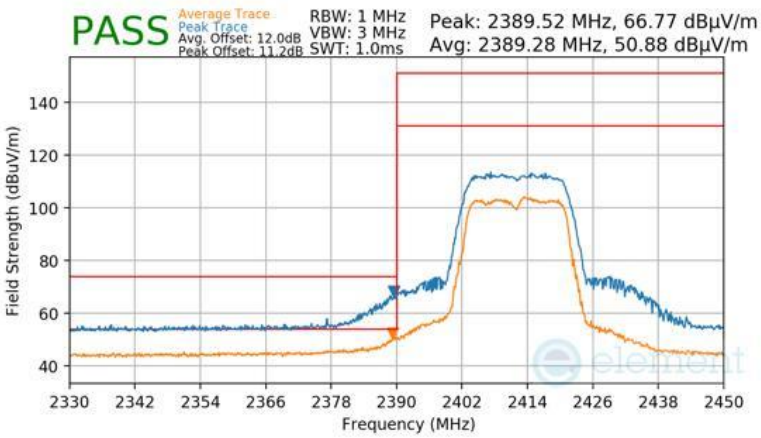


Plot 7-200 Radiated Restricted Upper Band Edge Measurement Antenna WF7b

7.7.6 CDD Radiated Restricted Band Edge Measurements

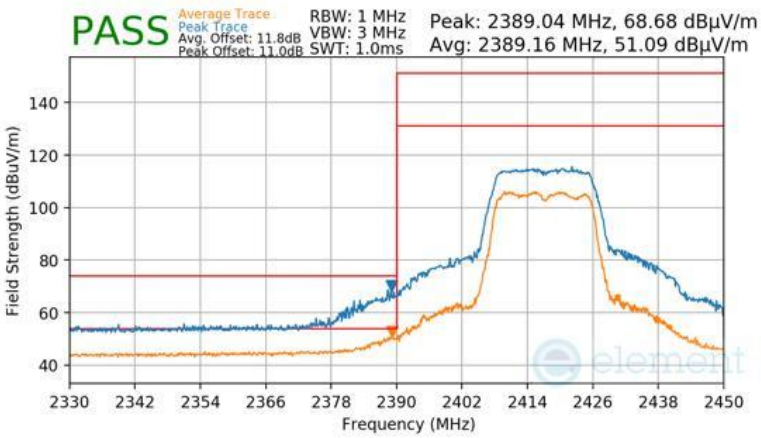
§15.205 §15.209; RSS-Gen [8.9]

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



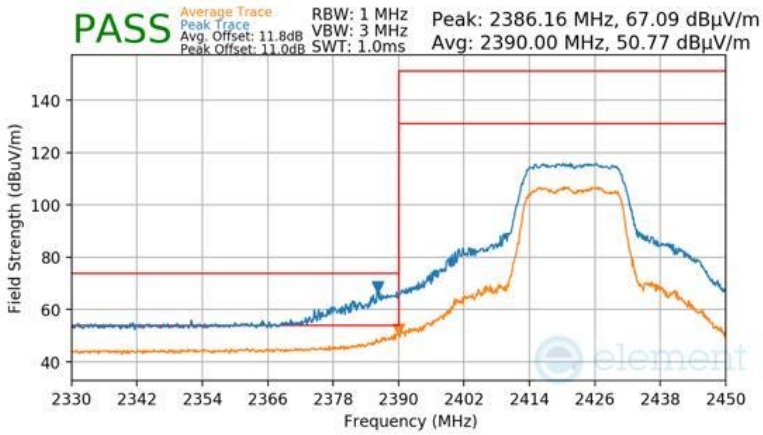
Plot 7-201 Radiated Restricted Lower Band Edge Measurement CDD

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



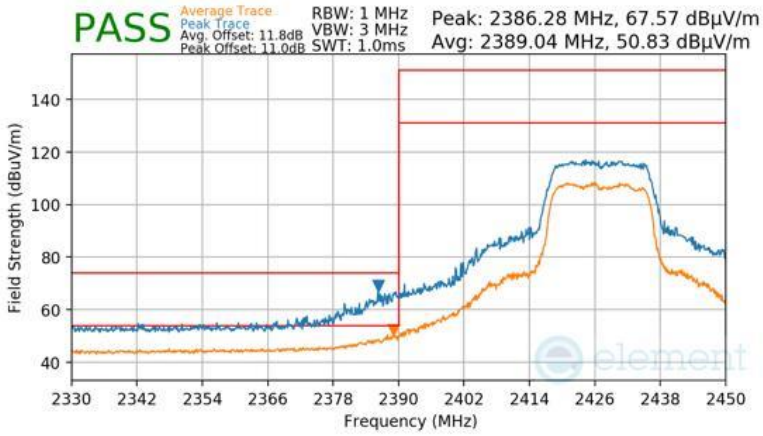
Plot 7-202 Radiated Restricted Lower Band Edge Measurement CDD

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



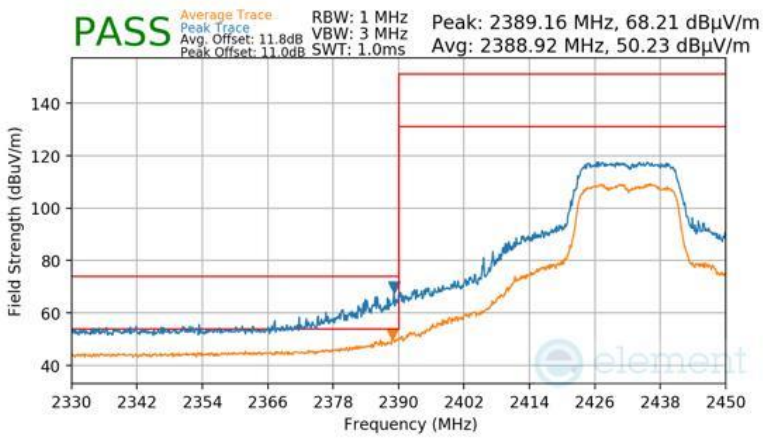
Plot 7-203 Radiated Restricted Lower Band Edge Measurement CDD

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



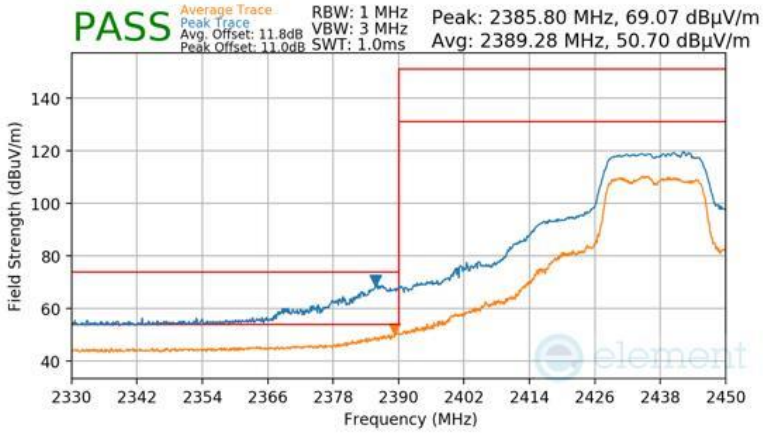
Plot 7-204 Radiated Restricted Lower Band Edge Measurement CDD

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



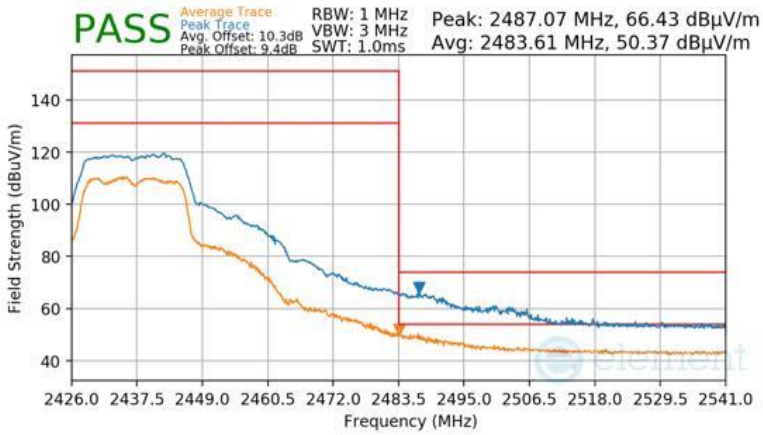
Plot 7-205 Radiated Restricted Lower Band Edge Measurement CDD

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



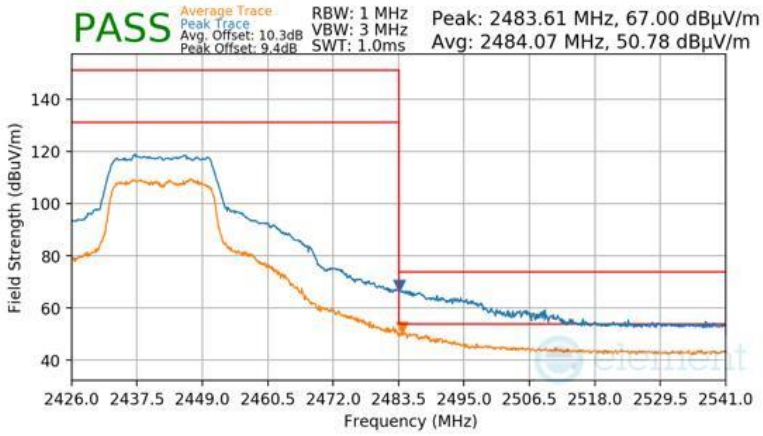
Plot 7-206 Radiated Restricted Lower Band Edge Measurement CDD

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



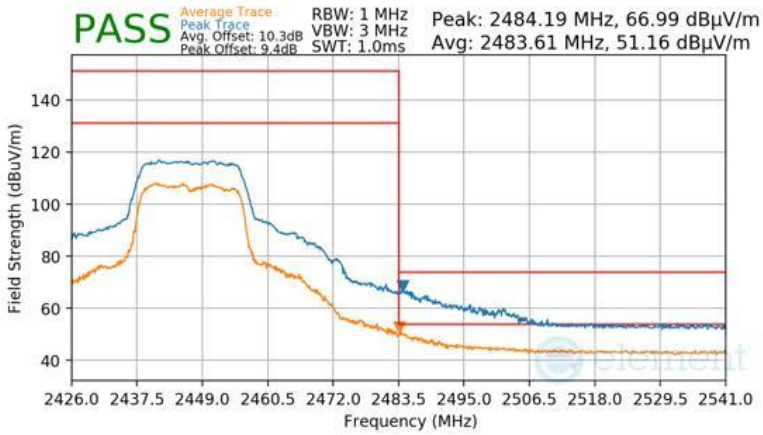
Plot 7-207 Radiated Restricted Upper Band Edge Measurement CDD

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



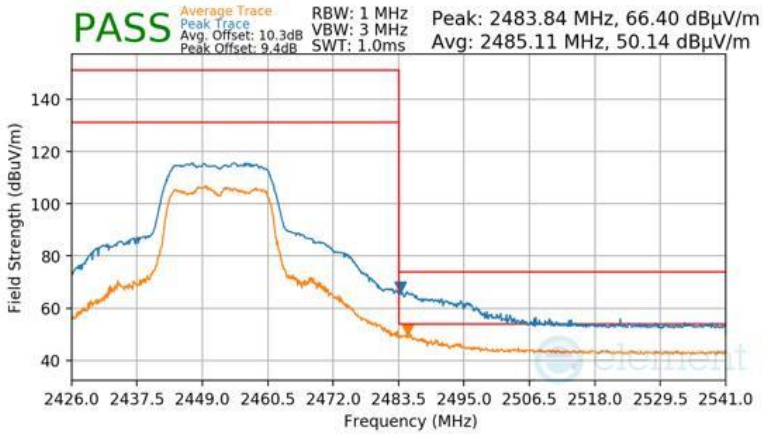
Plot 7-208 Radiated Restricted Upper Band Edge Measurement CDD

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



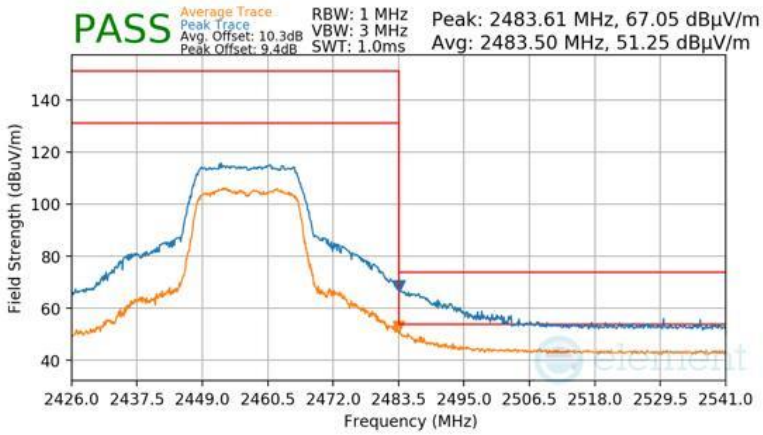
Plot 7-209 Radiated Restricted Upper Band Edge Measurement CDD

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



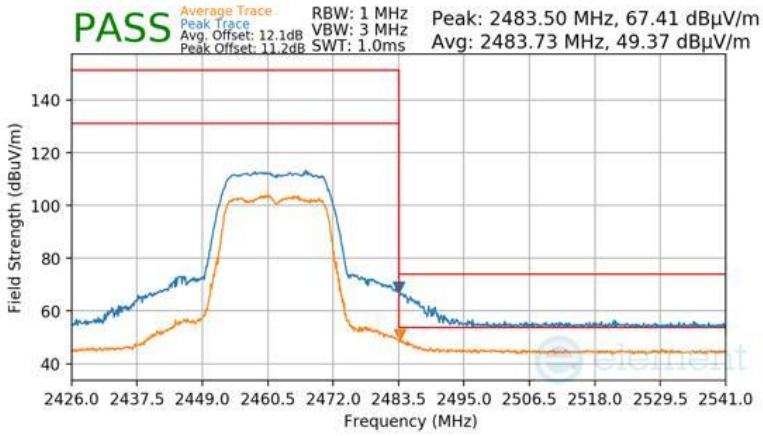
Plot 7-210 Radiated Restricted Upper Band Edge Measurement CDD

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



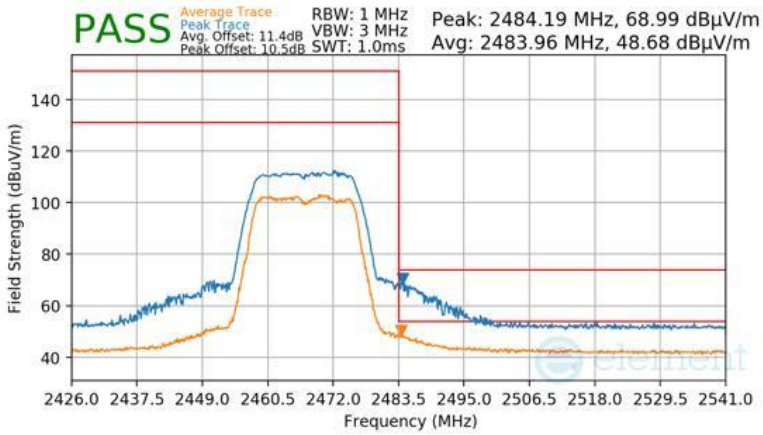
Plot 7-211 Radiated Restricted Upper Band Edge Measurement CDD

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



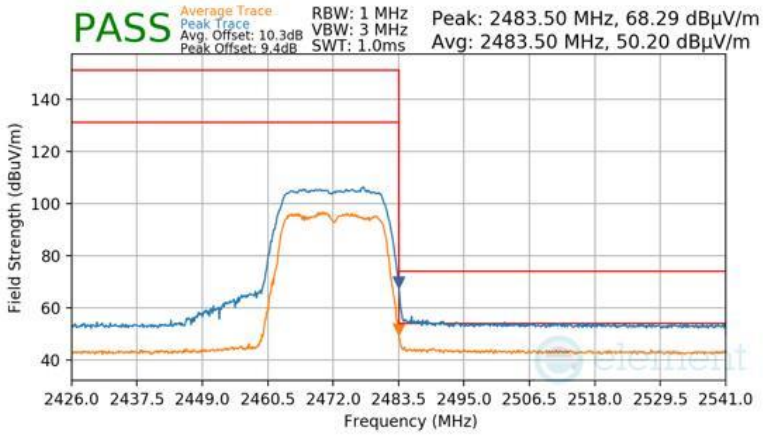
Plot 7-212 Radiated Restricted Upper Band Edge Measurement CDD

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



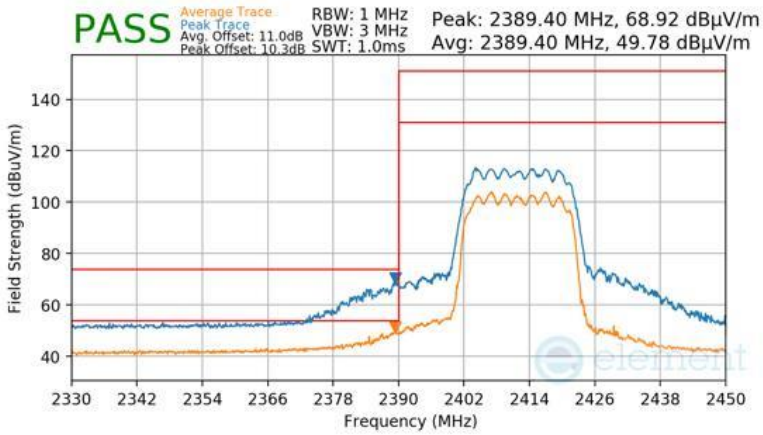
Plot 7-213 Radiated Restricted Upper Band Edge Measurement CDD

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



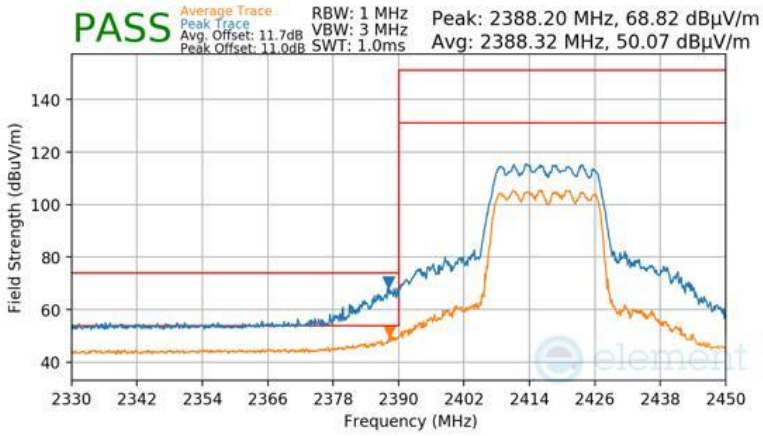
Plot 7-214 Radiated Restricted Upper Band Edge Measurement CDD

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



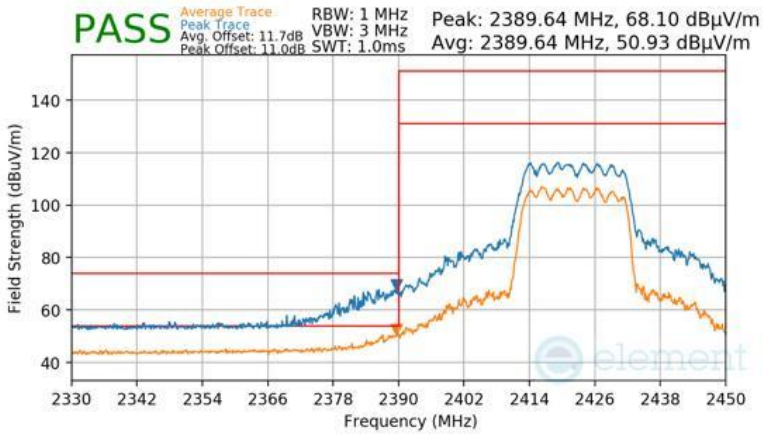
Plot 7-215 Radiated Restricted Lower Band Edge Measurement CDD

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



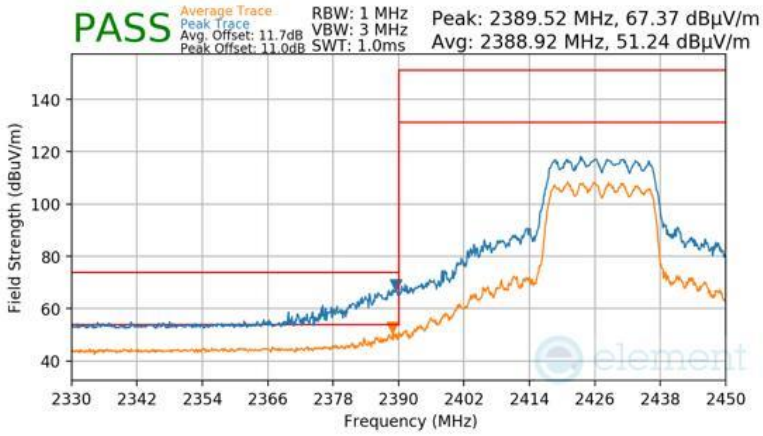
Plot 7-216 Radiated Restricted Lower Band Edge Measurement CDD

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



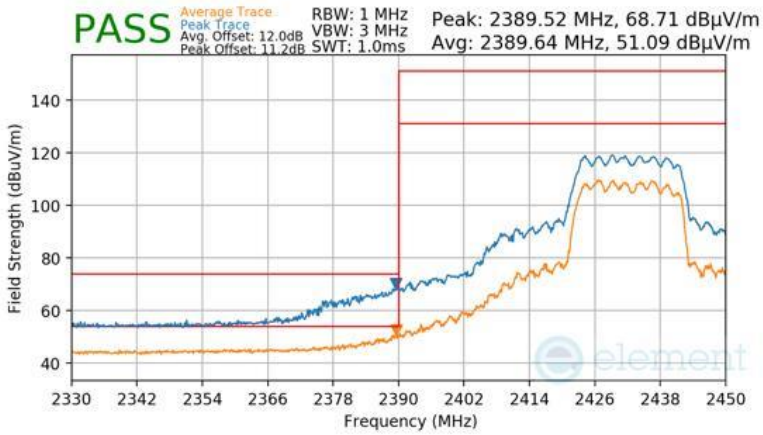
Plot 7-217 Radiated Restricted Lower Band Edge Measurement CDD

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



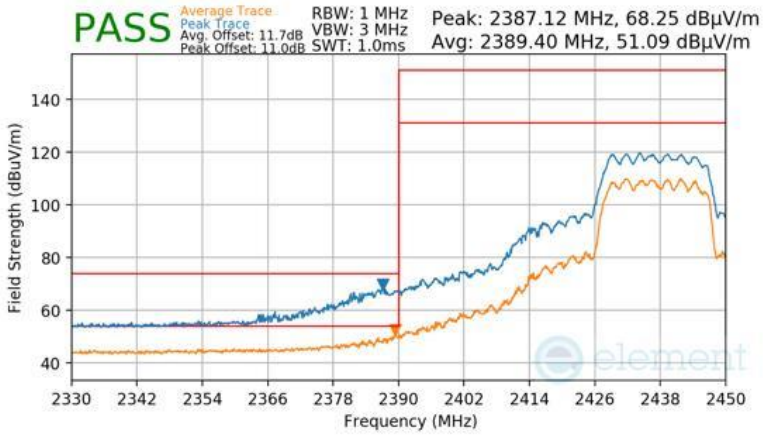
Plot 7-218 Radiated Restricted Lower Band Edge Measurement CDD

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



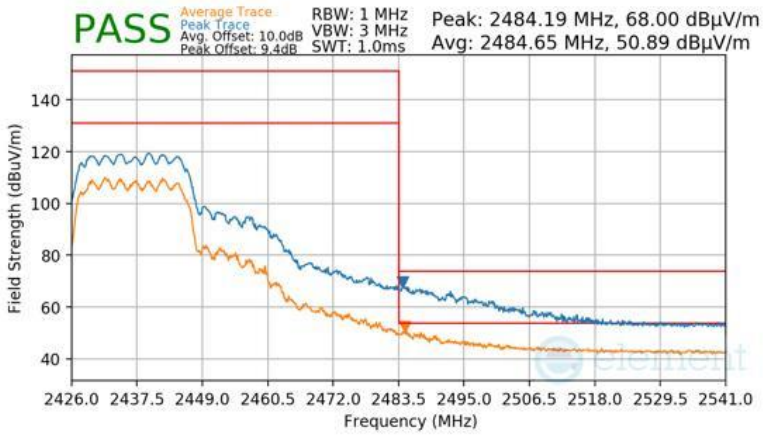
Plot 7-219 Radiated Restricted Lower Band Edge Measurement CDD

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



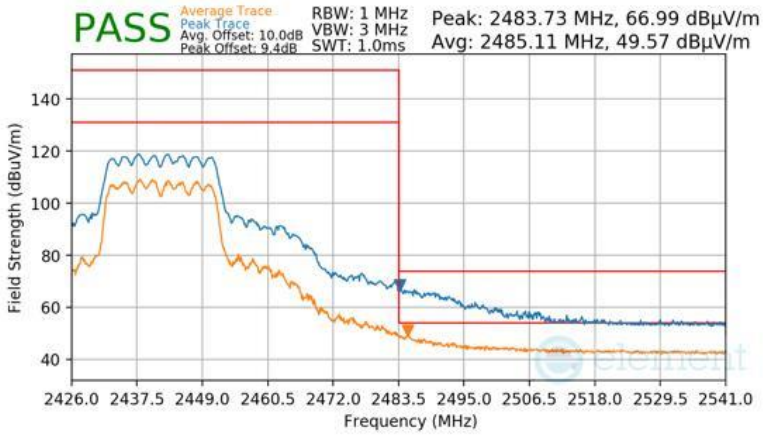
Plot 7-220 Radiated Restricted Lower Band Edge Measurement CDD

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



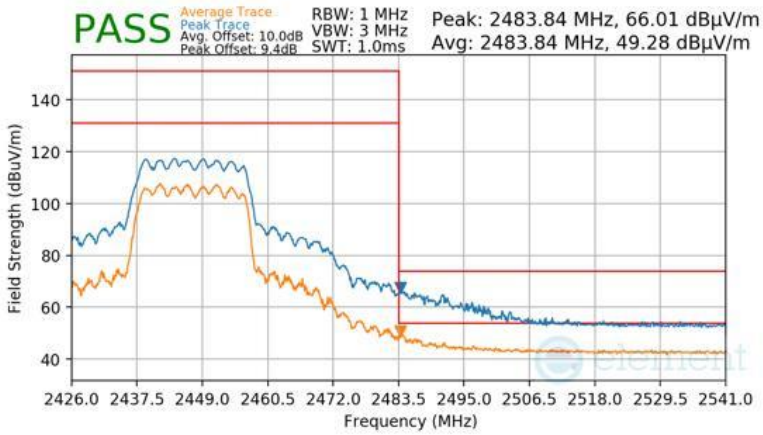
Plot 7-221 Radiated Restricted Upper Band Edge Measurement CDD

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



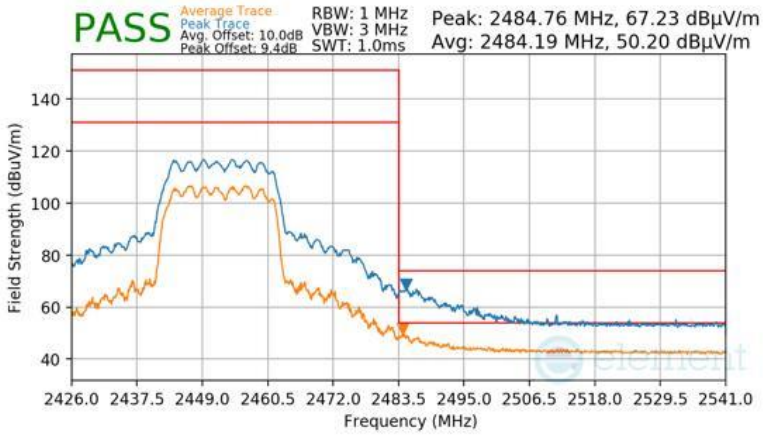
Plot 7-222 Radiated Restricted Upper Band Edge Measurement CDD

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



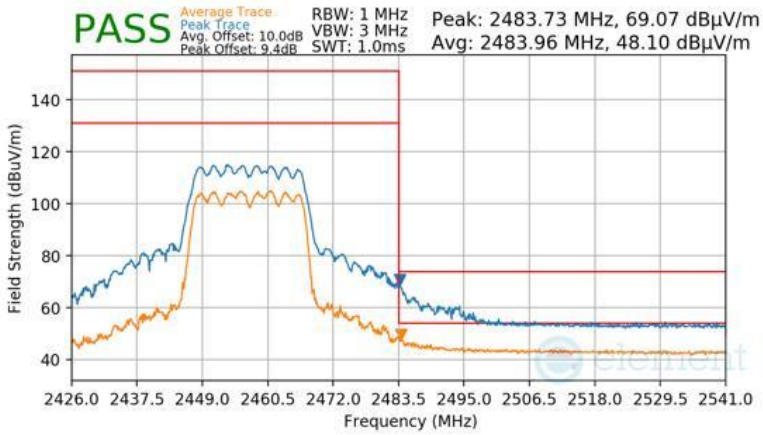
Plot 7-223 Radiated Restricted Upper Band Edge Measurement CDD

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



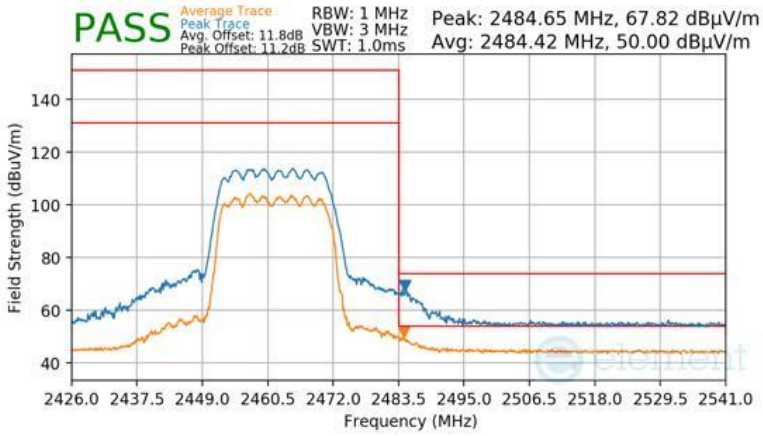
Plot 7-224 Radiated Restricted Upper Band Edge Measurement CDD

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



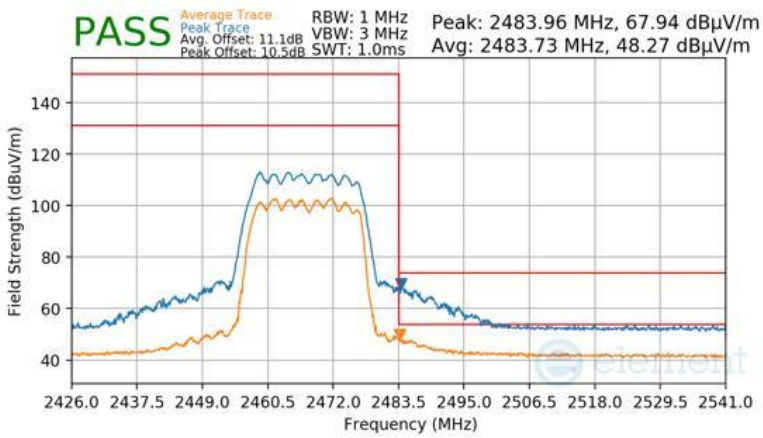
Plot 7-225 Radiated Restricted Upper Band Edge Measurement CDD

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



Plot 7-226 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 7-227 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 7-30 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 7-30. 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.

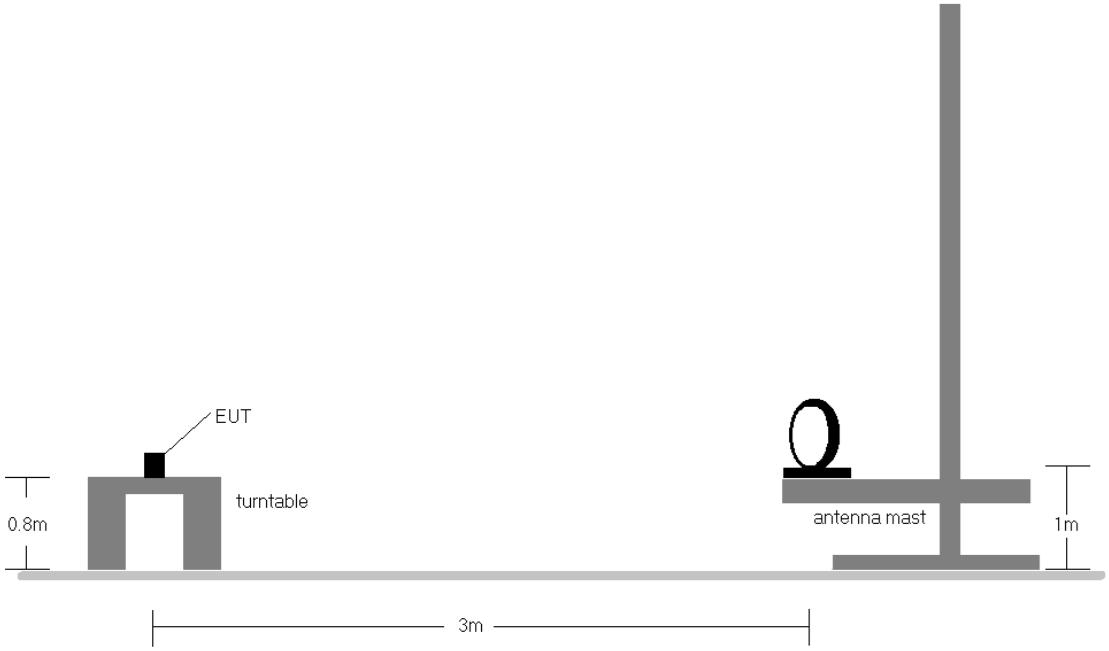


Figure 7-7. Radiated Test Setup < 30Mhz

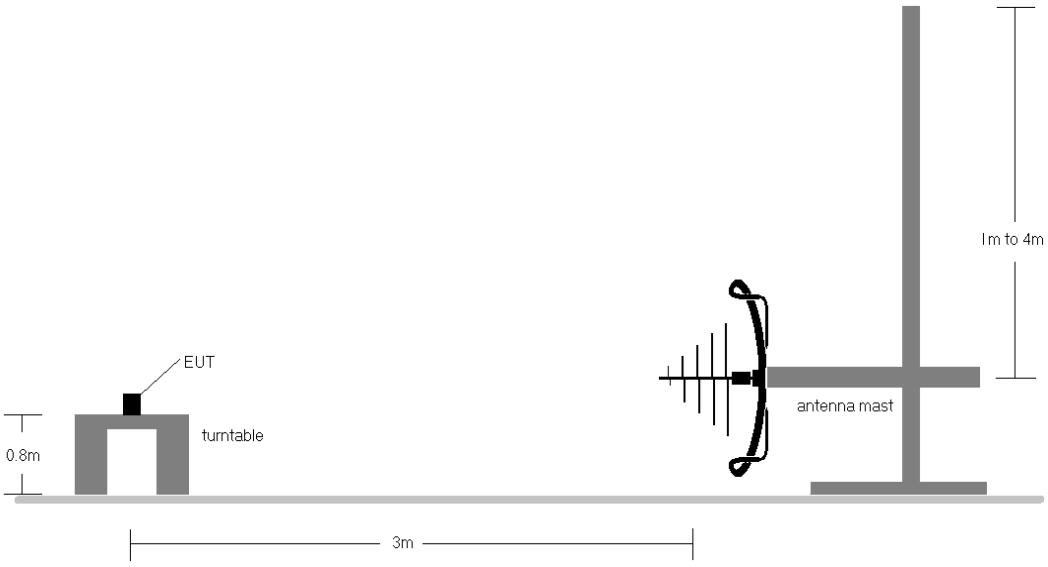


Figure 7-8. Radiated Test Setup < 1GHz

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 7-30.
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.

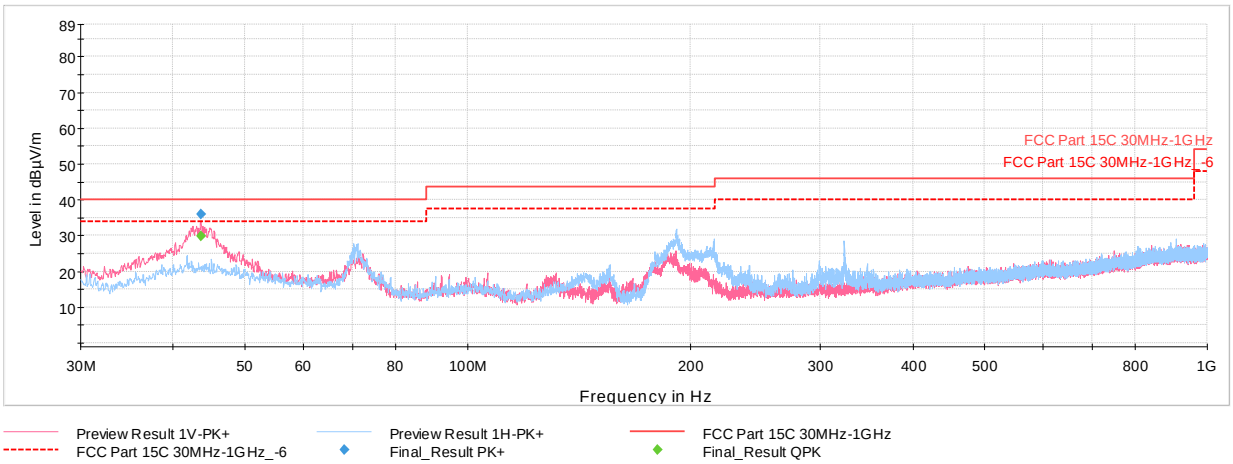
Sample Calculations

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)

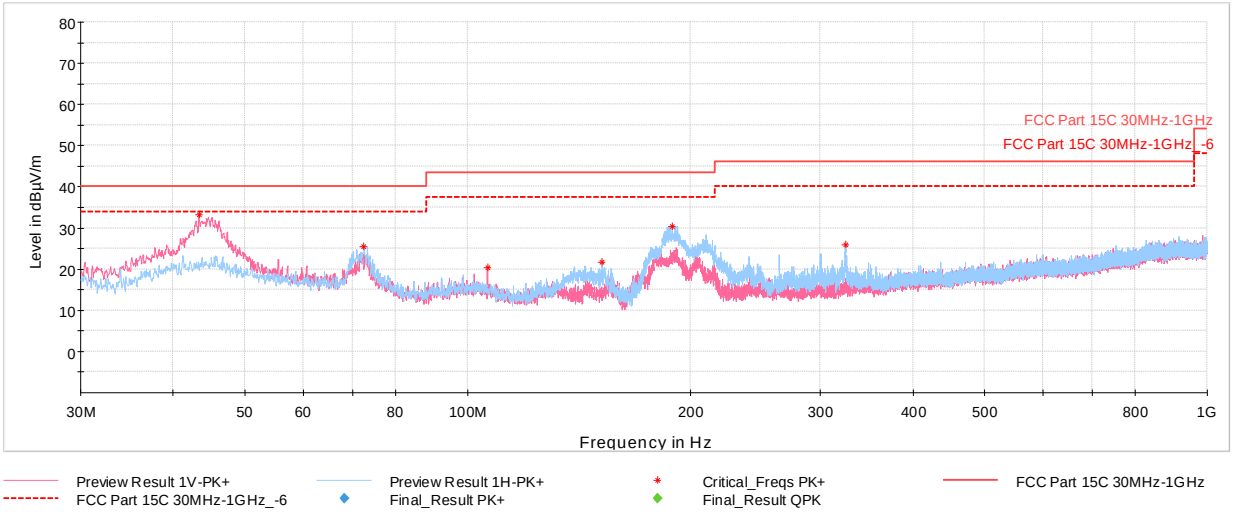
§15.209; RSS-Gen [8.9]



Plot 7-228. Radiated Spurious Emissions below 1GHz CDD 11n Ch.6, with AC/DC adaptor via USB-C cable with wire charger

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]
43.63	Quasi-Peak	V	100	3	-58.08	-14.81	29.93	40.00	-10.07
70.26	Max-Peak	H	300	249	-59.93	-19.15	27.92	40.00	-12.08
106.44	Max-Peak	V	100	152	-70.72	-16.60	19.68	43.52	-23.84
155.71	Max-Peak	H	200	164	-65.68	-19.29	22.03	43.52	-21.49
191.60	Max-Peak	H	100	170	-58.82	-16.38	31.80	43.52	-11.72
323.09	Max-Peak	H	100	175	-65.89	-12.58	28.53	46.02	-17.49

Table 7-31. Radiated Spurious Emissions below 1GHz CDD 11n Ch.6, with AC/DC adaptor via USB-C cable with wire charger



Plot 7-229. Radiated Spurious Emissions below 1GHz CDD 11ax - SU Ch.6, with AC/DC Adapter via USB-C cable with wire charger

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]
43.39	Max-Peak	V	100	61	-58.97	-14.86	33.17	40.00	-6.83
72.49	Max-Peak	H	300	285	-61.58	-19.99	25.43	40.00	-14.57
106.44	Max-Peak	V	100	292	-70.01	-16.60	20.39	43.52	-23.13
152.17	Max-Peak	H	200	174	-65.91	-19.48	21.61	43.52	-21.91
189.23	Max-Peak	H	100	199	-59.70	-16.85	30.45	43.52	-13.07
324.25	Max-Peak	H	100	187	-68.58	-12.56	25.86	46.02	-20.16

Table 7-32. Radiated Spurious Emissions below 1GHz CDD 11ax - SU Ch.6, with AC/DC Adapter via USB-C cable with wire charger

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 7-33. 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.

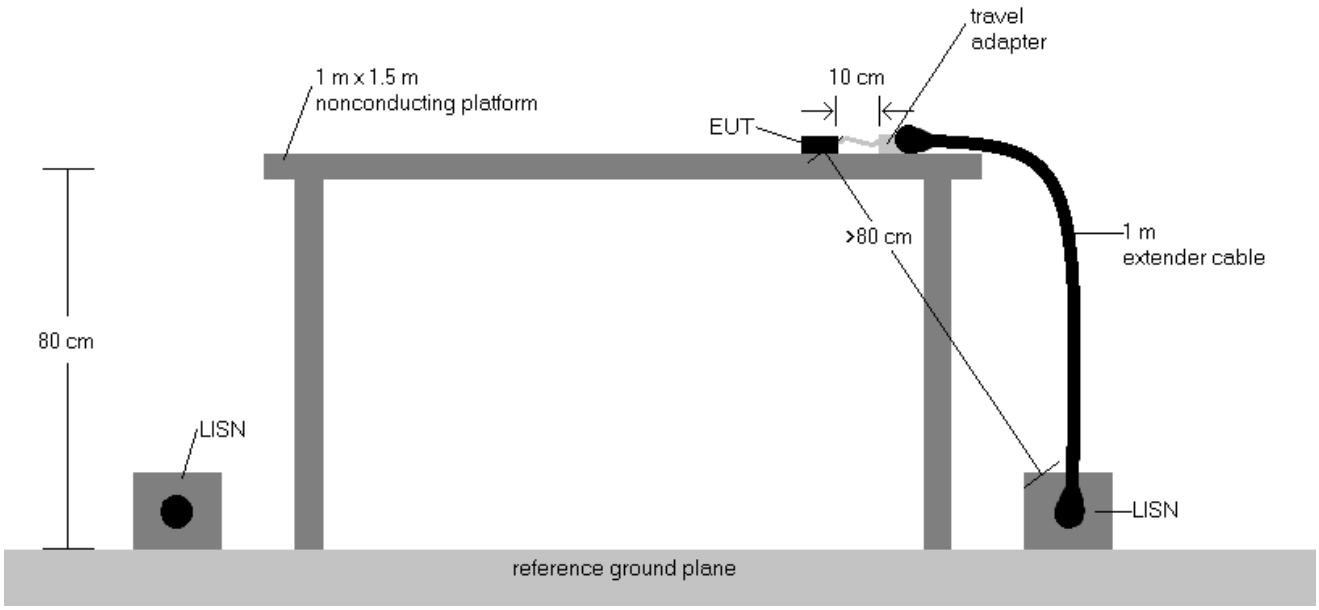
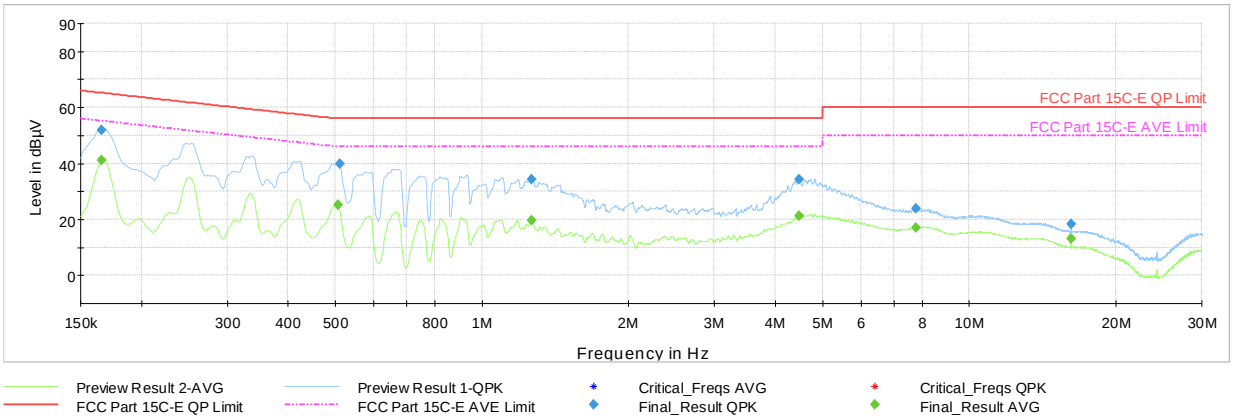


Figure 7-9. Test Instrument & Measurement Setup

Test Notes

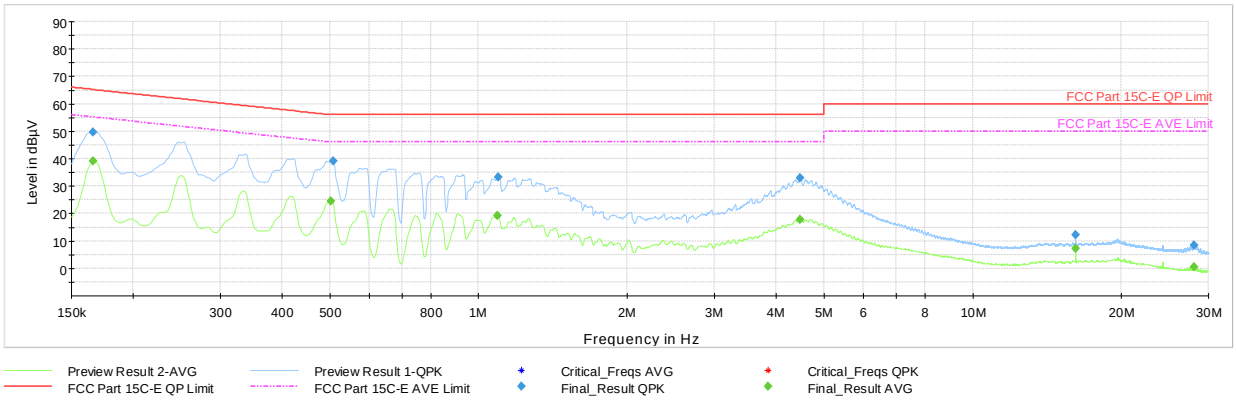
1. All modes of operation were investigated, and the worst-case emissions are reported. The emissions found were not affected by the choice of channel used during testing.
2. Both configurations below were investigated, and the worst case has been reported.
   a. EUT powered by AC/DC adaptor via USB-C 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 7-230. AC Line Conducted Plot with CDD 11n Ch.6 (L1, with AC/DC Adapter via USB-C cable with wire charger)

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.166	FINAL	—	41.18	55.17	-14.00	L1	GND
0.166	FINAL	52.0	—	65.17	-13.16	L1	GND
0.506	FINAL	—	25.09	46.00	-20.91	L1	GND
0.510	FINAL	39.8	—	56.00	-16.16	L1	GND
1.262	FINAL	—	19.54	46.00	-26.46	L1	GND
1.266	FINAL	34.2	—	56.00	-21.85	L1	GND
4.477	FINAL	34.4	—	56.00	-21.59	L1	GND
4.481	FINAL	—	21.30	46.00	-24.70	L1	GND
7.775	FINAL	—	17.08	50.00	-32.92	L1	GND
7.780	FINAL	23.8	—	60.00	-36.19	L1	GND
16.179	FINAL	—	13.15	50.00	-36.85	L1	GND
16.179	FINAL	18.3	—	60.00	-41.69	L1	GND

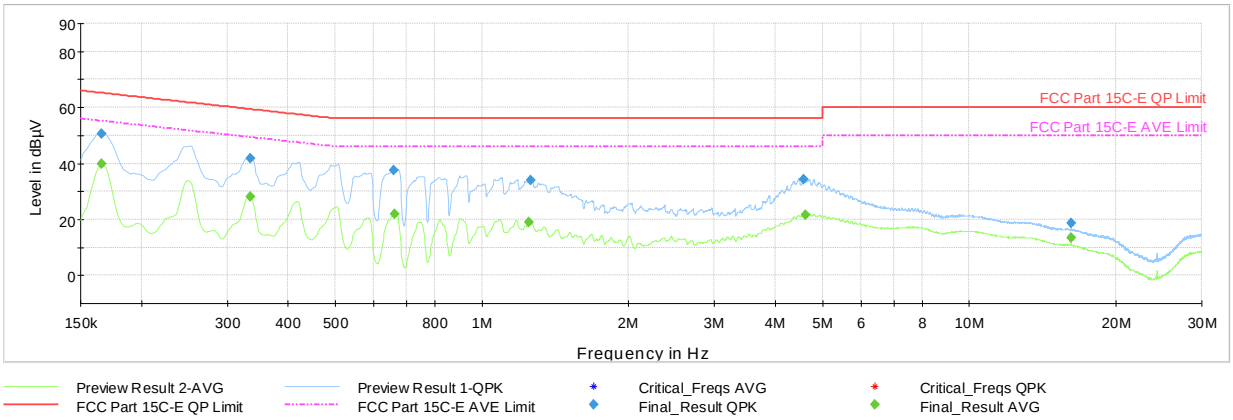
Table 7-34. AC Line Conducted Data with CDD 11n Ch.6 (L1, with AC/DC Adapter via USB-C cable with wire charger)



Plot 7-231. AC Line Conducted Plot with CDD 11n Ch.6 (N, with AC/DC Adapter via USB-C cable with wire charger)

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.166	FINAL	—	39.16	55.17	-16.01	N	GND
0.166	FINAL	49.8	—	65.17	-15.41	N	GND
0.503	FINAL	—	24.56	46.00	-21.44	N	GND
0.508	FINAL	39.2	—	56.00	-16.79	N	GND
1.093	FINAL	—	19.32	46.00	-26.68	N	GND
1.097	FINAL	33.3	—	56.00	-22.75	N	GND
4.472	FINAL	—	17.82	46.00	-28.18	N	GND
4.475	FINAL	32.8	—	56.00	-23.16	N	GND
16.172	FINAL	12.2	—	60.00	-47.84	N	GND
16.172	FINAL	—	7.36	50.00	-42.64	N	GND
28.025	FINAL	—	0.55	50.00	-49.45	N	GND
28.025	FINAL	8.5	—	60.00	-51.46	N	GND

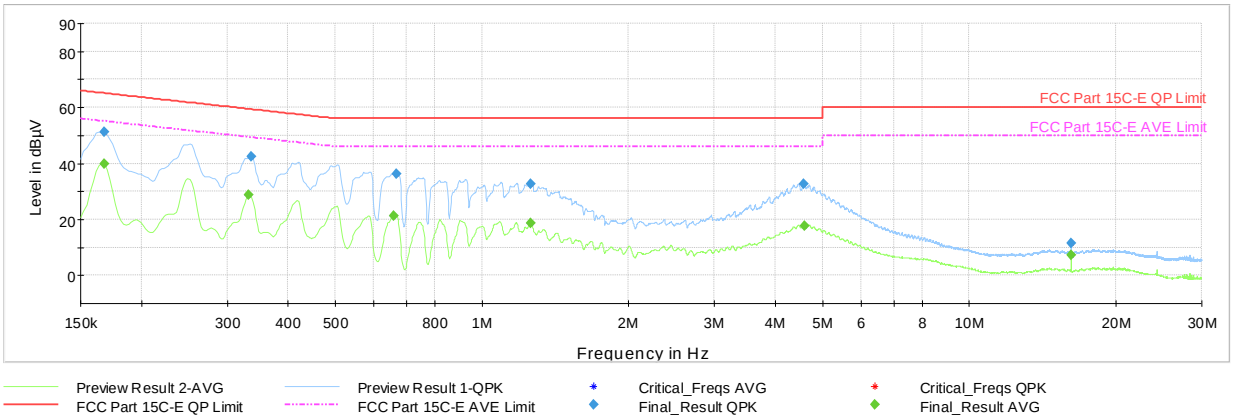
Table 7-35. AC Line Conducted Data with CDD 11n Ch.6 (N, with AC/DC Adapter via USB-C cable with wire charger)



Plot 7-232. AC Line Conducted Plot with CDD 11ax - SU Ch.6 (L1, with AC/DC Adapter via USB-C cable with wire charger)

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.166	FINAL	—	39.93	55.17	-15.24	L1	GND
0.166	FINAL	50.6	—	65.17	-14.53	L1	GND
0.335	FINAL	—	28.21	49.34	-21.13	L1	GND
0.335	FINAL	41.9	—	59.34	-17.49	L1	GND
0.659	FINAL	37.5	—	56.00	-18.46	L1	GND
0.661	FINAL	—	21.86	46.00	-24.14	L1	GND
1.250	FINAL	—	18.95	46.00	-27.05	L1	GND
1.259	FINAL	33.9	—	56.00	-22.07	L1	GND
4.569	FINAL	34.4	—	56.00	-21.57	L1	GND
4.603	FINAL	—	21.52	46.00	-24.48	L1	GND
16.163	FINAL	—	13.38	50.00	-36.62	L1	GND
16.163	FINAL	18.6	—	60.00	-41.37	L1	GND

Table 7-36. AC Line Conducted Data with CDD 11ax - SU Ch.6 (L1, with AC/DC Adapter via USB-C cable with wire charger)



Plot 7-233. AC Line Conducted Plot with CDD 11ax - SU Ch.6 (N, with AC/DC Adapter via USB-C cable with wire charger)

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.168	FINAL	—	39.92	55.06	-15.14	N	GND
0.168	FINAL	51.2	—	65.06	-13.89	N	GND
0.332	FINAL	—	28.68	49.40	-20.71	N	GND
0.337	FINAL	42.3	—	59.28	-16.96	N	GND
0.659	FINAL	—	21.32	46.00	-24.68	N	GND
0.668	FINAL	36.4	—	56.00	-19.62	N	GND
1.257	FINAL	32.5	—	56.00	-23.48	N	GND
1.257	FINAL	—	18.71	46.00	-27.29	N	GND
4.565	FINAL	32.5	—	56.00	-23.46	N	GND
4.583	FINAL	—	17.65	46.00	-28.35	N	GND
16.175	FINAL	—	7.26	50.00	-42.74	N	GND
16.177	FINAL	11.4	—	60.00	-48.56	N	GND

Table 7-37. AC Line Conducted Data with CDD 11ax - SU Ch.6 (N, with AC/DC Adapter via USB-C cable with wire charger)

8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Apple Tablet Device FCC ID: BCGA3266, IC: 579C-A3266** 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.