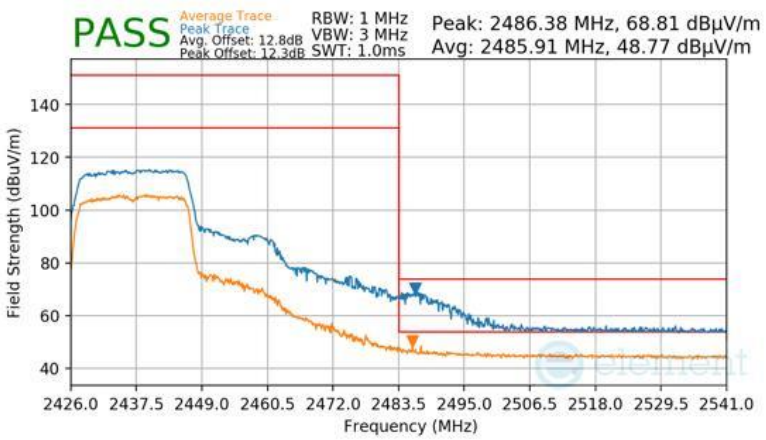
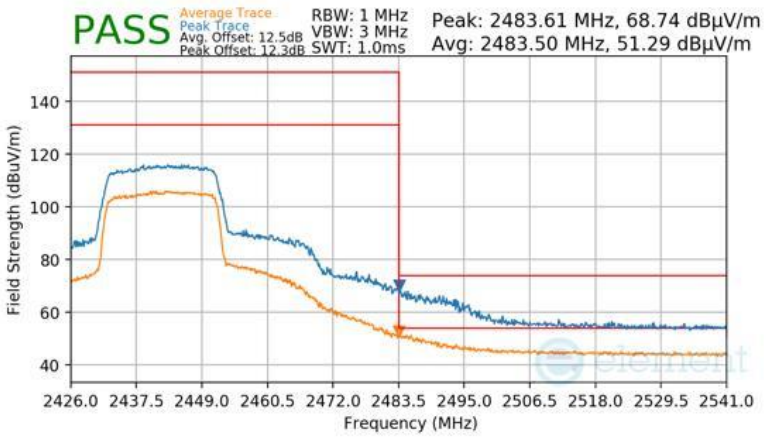
Mode	802.11ax-SU
Data Rate	MCS9
Distance of Measurement	3 Meters
Operating Frequency	2437MHz
Channel	6



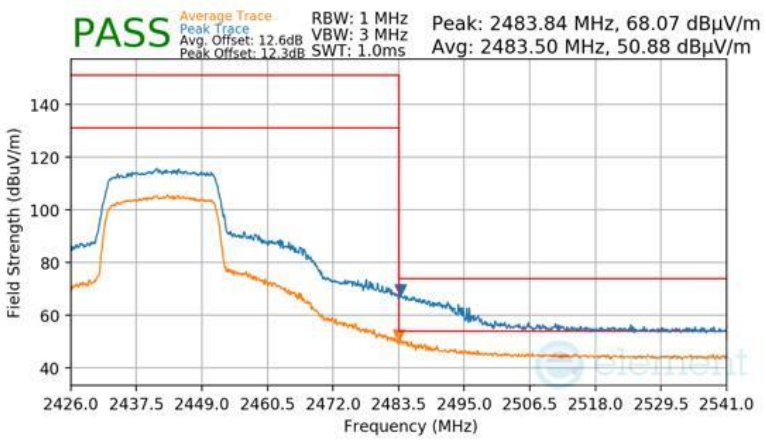
Plot 7-607 Radiated Restricted Upper Band Edge Measurement Antenna WF2b

Mode	802.11ax-SU
Data Rate	MCS2
Distance of Measurement	3 Meters
Operating Frequency	2442MHz
Channel	7



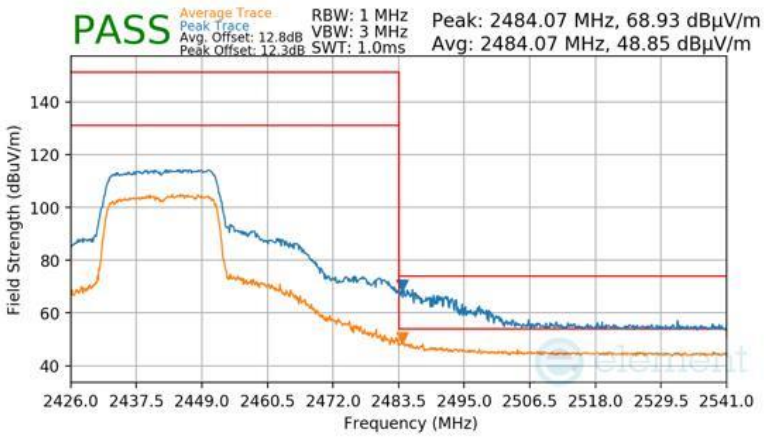
Plot 7-608 Radiated Restricted Upper Band Edge Measurement Antenna WF2b

Mode	802.11ax-SU
Data Rate	MCS4
Distance of Measurement	3 Meters
Operating Frequency	2442MHz
Channel	7



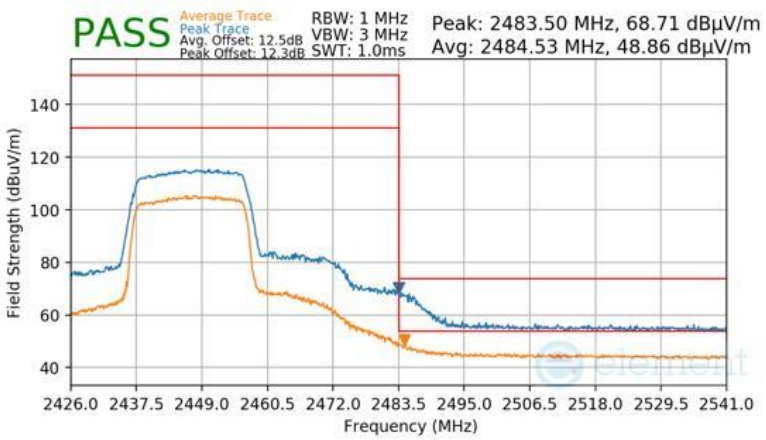
Plot 7-609 Radiated Restricted Upper Band Edge Measurement Antenna WF2b

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



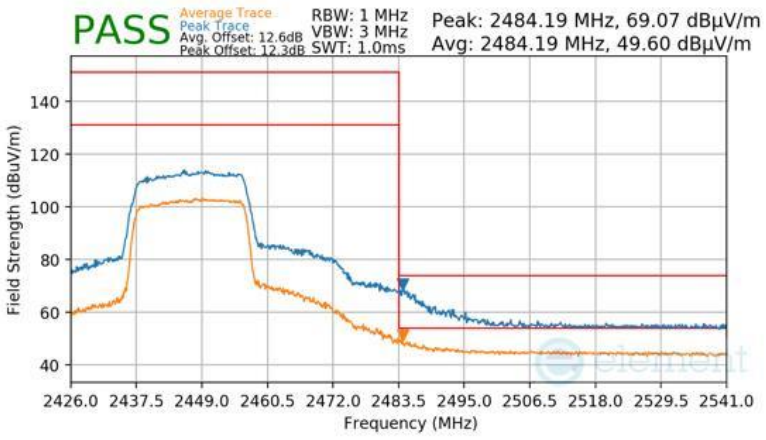
Plot 7-610 Radiated Restricted Upper Band Edge Measurement Antenna WF2b

Mode	802.11ax-SU
Data Rate	MCS2
Distance of Measurement	3 Meters
Operating Frequency	2447MHz
Channel	8



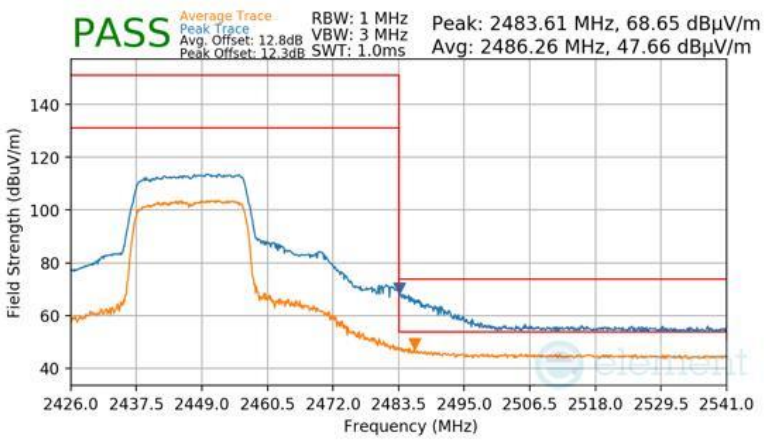
Plot 7-611 Radiated Restricted Upper Band Edge Measurement Antenna WF2b

Mode	802.11ax-SU
Data Rate	MCS4
Distance of Measurement	3 Meters
Operating Frequency	2447MHz
Channel	8



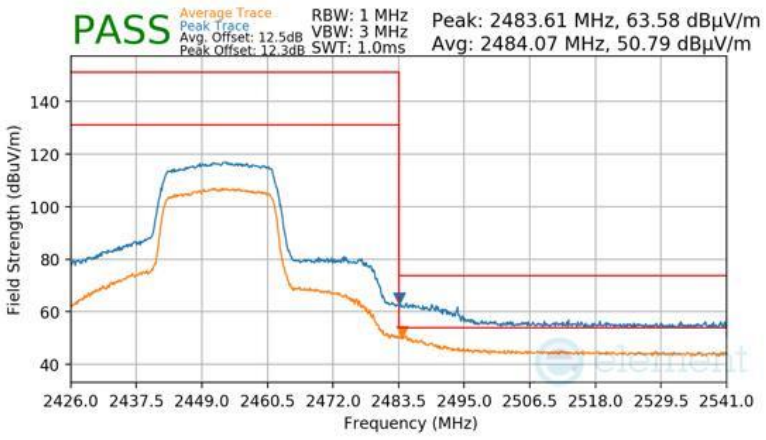
Plot 7-612 Radiated Restricted Upper Band Edge Measurement Antenna WF2b

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



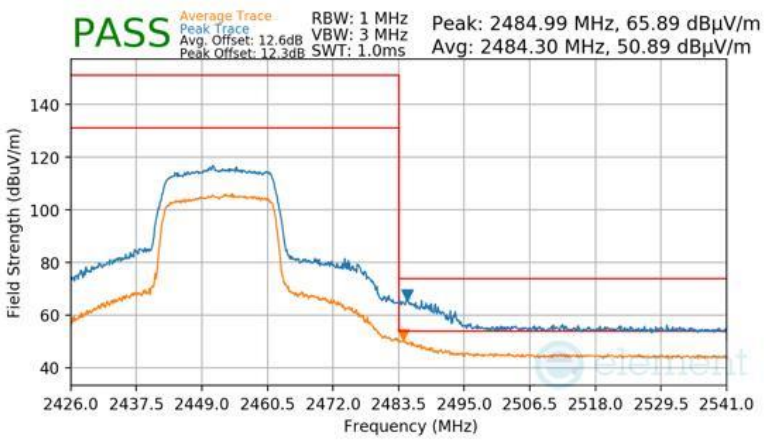
Plot 7-613 Radiated Restricted Upper Band Edge Measurement Antenna WF2b

Mode	802.11ax-SU
Data Rate	MCS2
Distance of Measurement	3 Meters
Operating Frequency	2452MHz
Channel	9



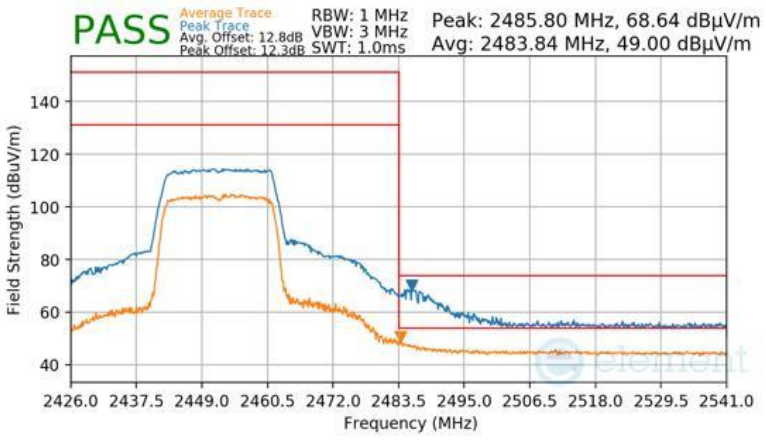
Plot 7-614 Radiated Restricted Upper Band Edge Measurement Antenna WF2b

Mode	802.11ax-SU
Data Rate	MCS4
Distance of Measurement	3 Meters
Operating Frequency	2452MHz
Channel	9



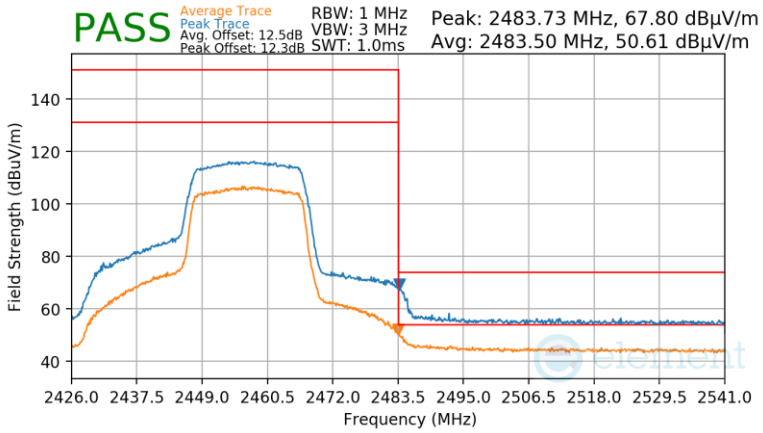
Plot 7-615 Radiated Restricted Upper Band Edge Measurement Antenna WF2b

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



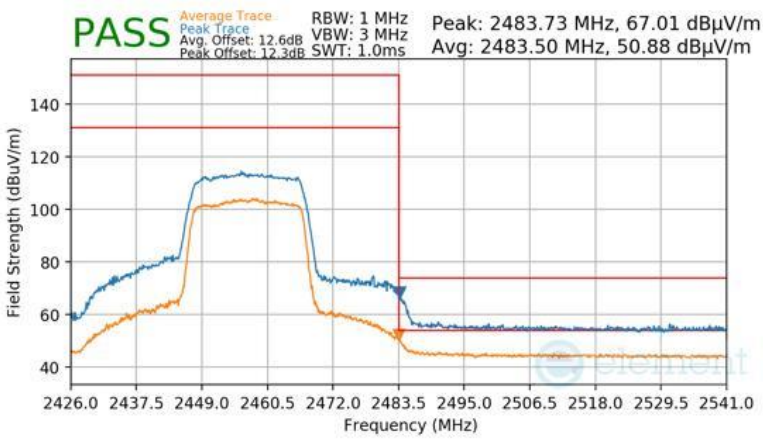
Plot 7-616 Radiated Restricted Upper Band Edge Measurement Antenna WF2b

Mode	802.11ax-SU
Data Rate	MCS2
Distance of Measurement	3 Meters
Operating Frequency	2457MHz
Channel	10



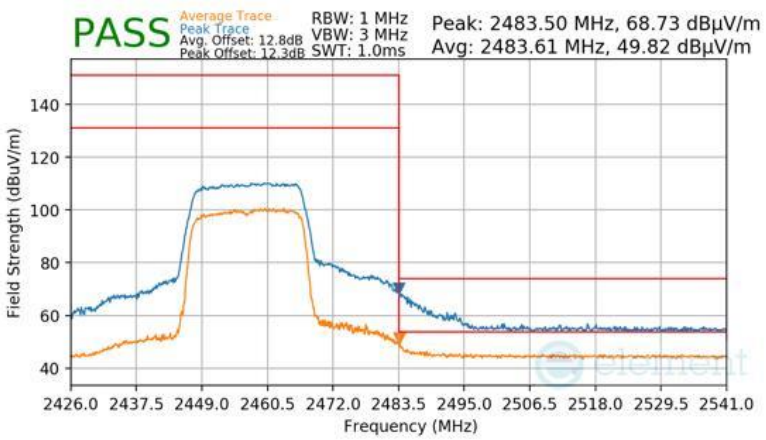
Plot 7-617 Radiated Restricted Upper Band Edge Measurement Antenna WF2b

Mode	802.11ax-SU
Data Rate	MCS4
Distance of Measurement	3 Meters
Operating Frequency	2457MHz
Channel	10



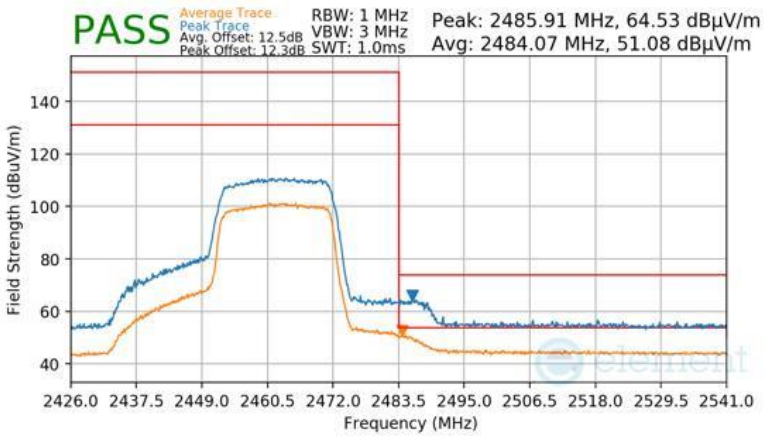
Plot 7-618 Radiated Restricted Upper Band Edge Measurement Antenna WF2b

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



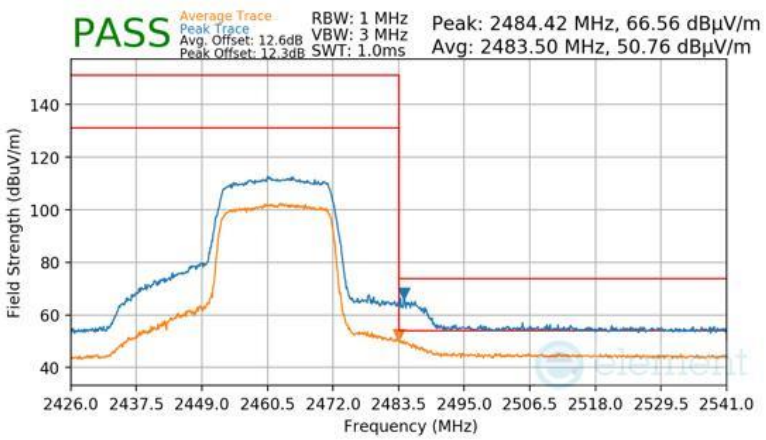
Plot 7-619 Radiated Restricted Upper Band Edge Measurement Antenna WF2b

Mode	802.11ax-SU
Data Rate	MCS2
Distance of Measurement	3 Meters
Operating Frequency	2462MHz
Channel	11



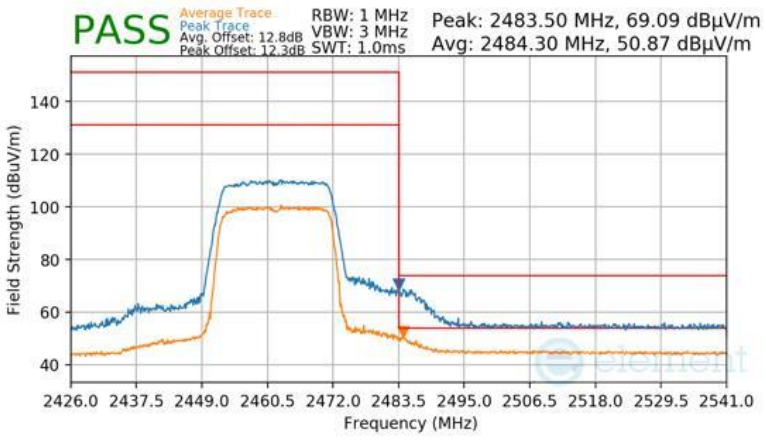
Plot 7-620 Radiated Restricted Upper Band Edge Measurement Antenna WF2b

Mode	802.11ax-SU
Data Rate	MCS4
Distance of Measurement	3 Meters
Operating Frequency	2462MHz
Channel	11



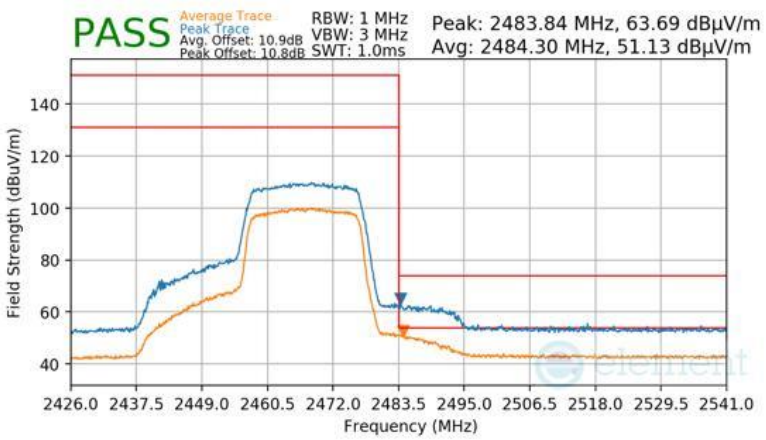
Plot 7-621 Radiated Restricted Upper Band Edge Measurement Antenna WF2b

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



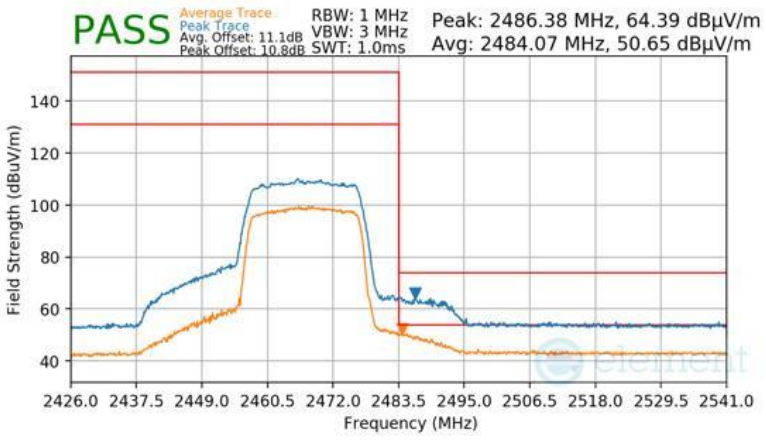
Plot 7-622 Radiated Restricted Upper Band Edge Measurement Antenna WF2b

Mode	802.11ax-SU
Data Rate	MCS2
Distance of Measurement	3 Meters
Operating Frequency	2467MHz
Channel	12



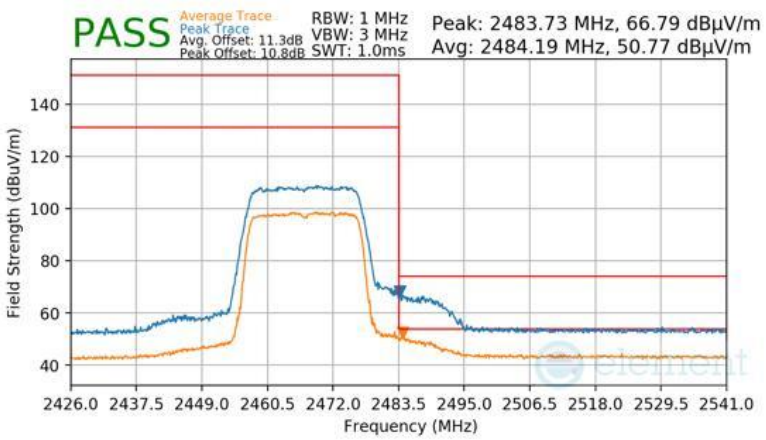
Plot 7-623 Radiated Restricted Upper Band Edge Measurement Antenna WF2b

Mode	802.11ax-SU
Data Rate	MCS4
Distance of Measurement	3 Meters
Operating Frequency	2467MHz
Channel	12



Plot 7-624 Radiated Restricted Upper Band Edge Measurement Antenna WF2b

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

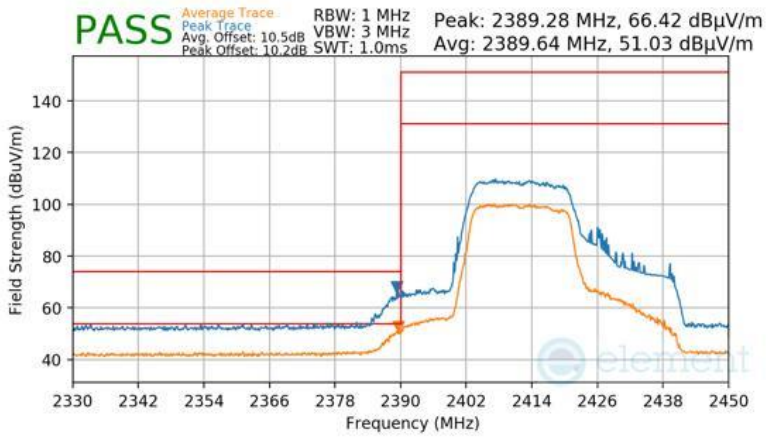


Plot 7-625 Radiated Restricted Upper Band Edge Measurement Antenna WF2b

7.7.4 CDD Radiated Restricted Band Edge Measurements

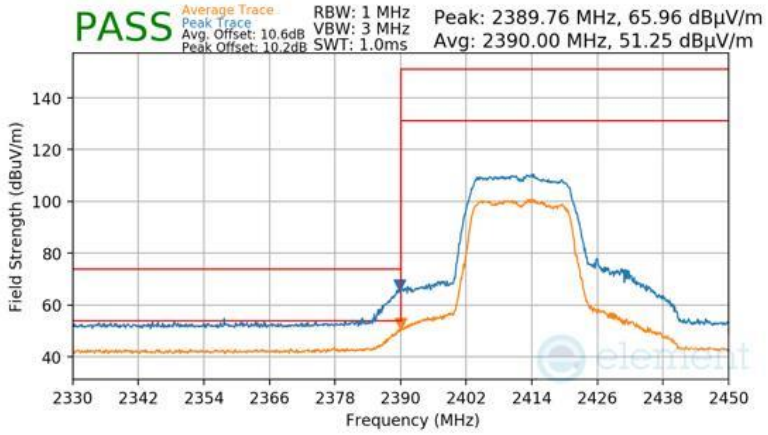
§15.205 §15.209; RSS-Gen [8.9]

Mode	802.11n
Data Rate	MCS10
Distance of Measurement	3 Meters
Operating Frequency	2412MHz
Channel	1



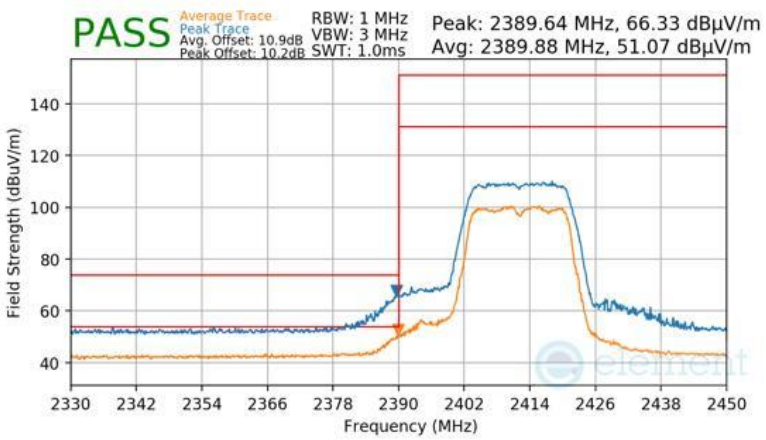
Plot 7-626 Radiated Restricted Lower Band Edge Measurement CDD

Mode	802.11n
Data Rate	MCS12
Distance of Measurement	3 Meters
Operating Frequency	2412MHz
Channel	1



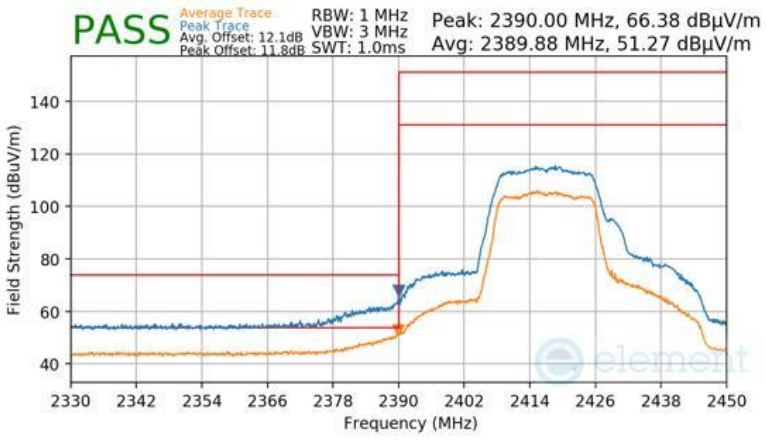
Plot 7-627 Radiated Restricted Lower Band Edge Measurement CDD

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



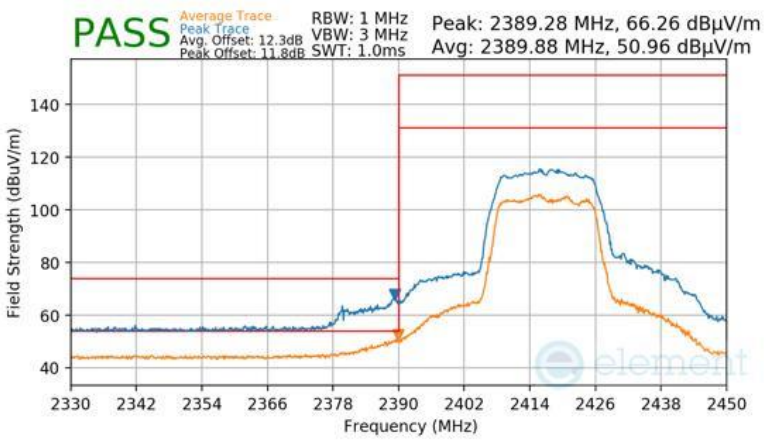
Plot 7-628 Radiated Restricted Lower Band Edge Measurement CDD

Mode	802.11n
Data Rate	MCS10
Distance of Measurement	3 Meters
Operating Frequency	2417MHz
Channel	2



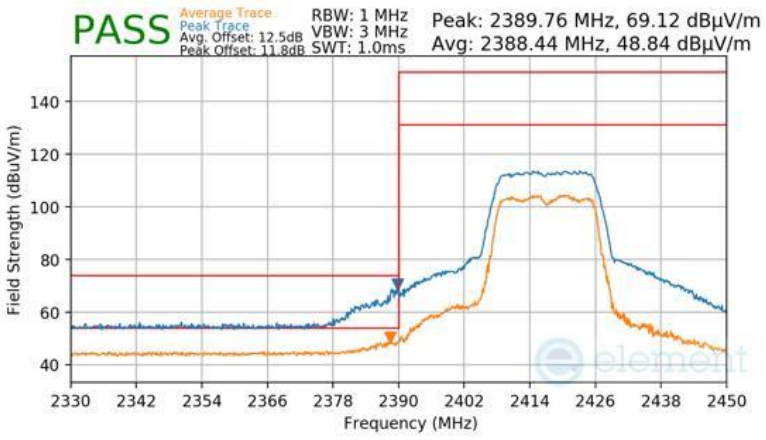
Plot 7-629 Radiated Restricted Lower Band Edge Measurement CDD

Mode	802.11n
Data Rate	MCS12
Distance of Measurement	3 Meters
Operating Frequency	2417MHz
Channel	2



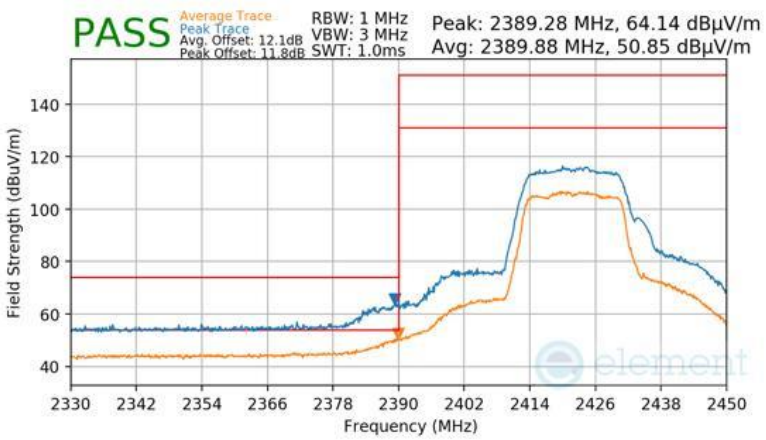
Plot 7-630 Radiated Restricted Lower Band Edge Measurement CDD

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



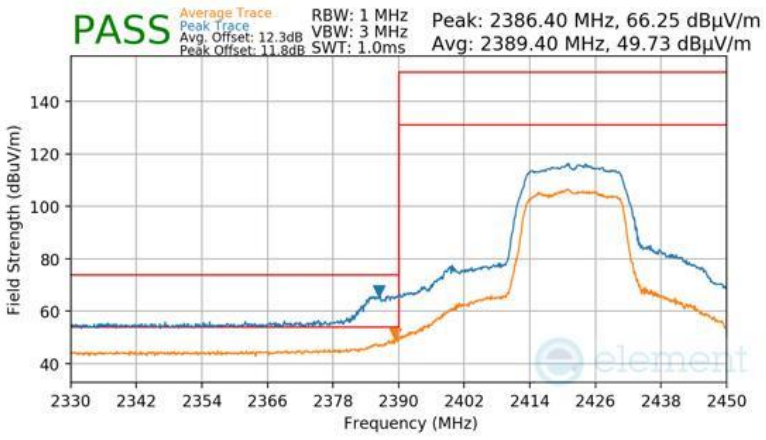
Plot 7-631 Radiated Restricted Lower Band Edge Measurement CDD

Mode	802.11n
Data Rate	MCS10
Distance of Measurement	3 Meters
Operating Frequency	2422MHz
Channel	3



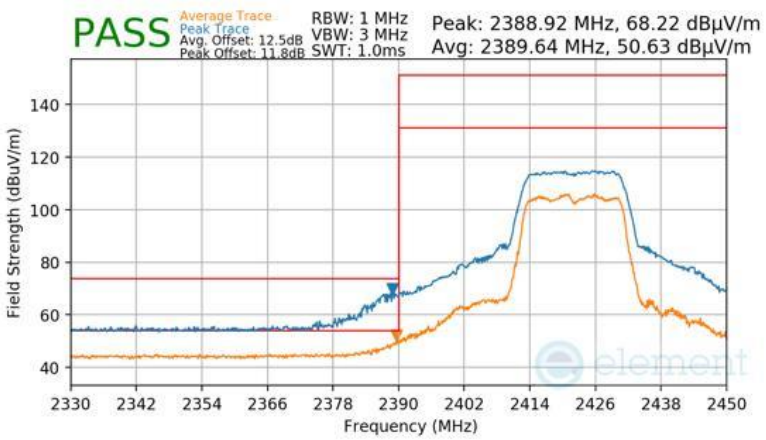
Plot 7-632 Radiated Restricted Lower Band Edge Measurement CDD

Mode	802.11n
Data Rate	MCS12
Distance of Measurement	3 Meters
Operating Frequency	2422MHz
Channel	3



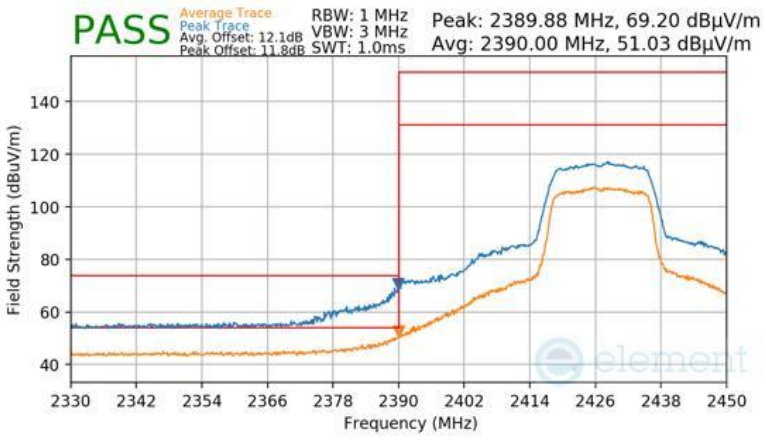
Plot 7-633 Radiated Restricted Lower Band Edge Measurement CDD

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



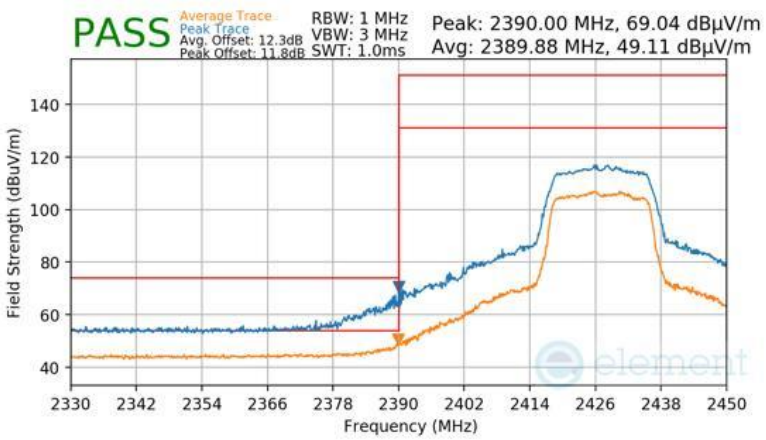
Plot 7-634 Radiated Restricted Lower Band Edge Measurement CDD

Mode	802.11n
Data Rate	MCS10
Distance of Measurement	3 Meters
Operating Frequency	2427MHz
Channel	4



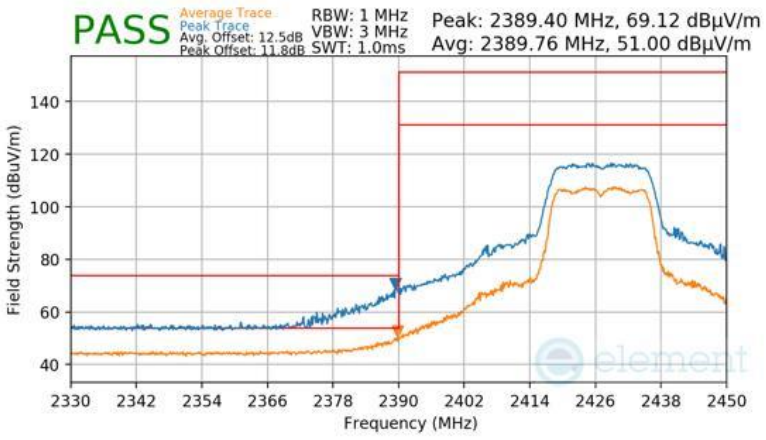
Plot 7-635 Radiated Restricted Lower Band Edge Measurement CDD

Mode	802.11n
Data Rate	MCS12
Distance of Measurement	3 Meters
Operating Frequency	2427MHz
Channel	4



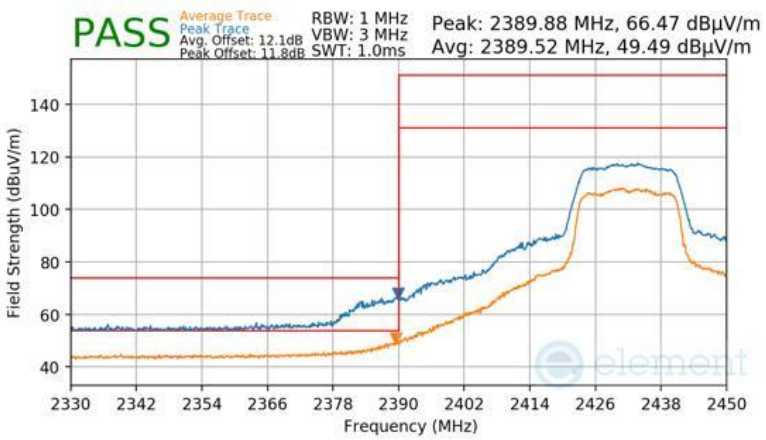
Plot 7-636 Radiated Restricted Lower Band Edge Measurement CDD

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



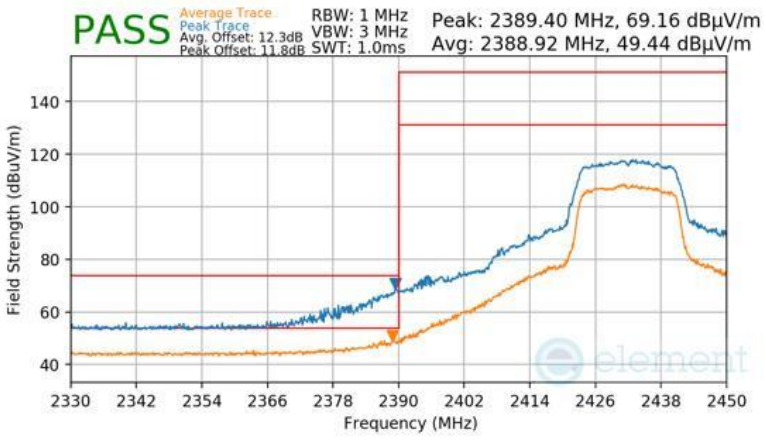
Plot 7-637 Radiated Restricted Lower Band Edge Measurement CDD

Mode	802.11n
Data Rate	MCS10
Distance of Measurement	3 Meters
Operating Frequency	2432MHz
Channel	5



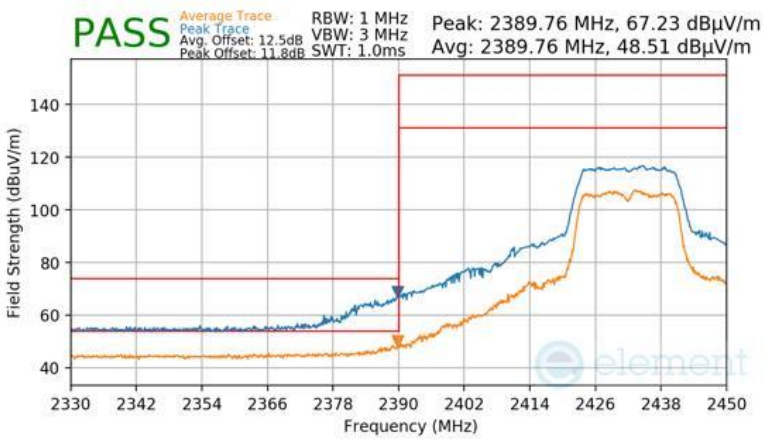
Plot 7-638 Radiated Restricted Lower Band Edge Measurement CDD

Mode	802.11n
Data Rate	MCS12
Distance of Measurement	3 Meters
Operating Frequency	2432MHz
Channel	5



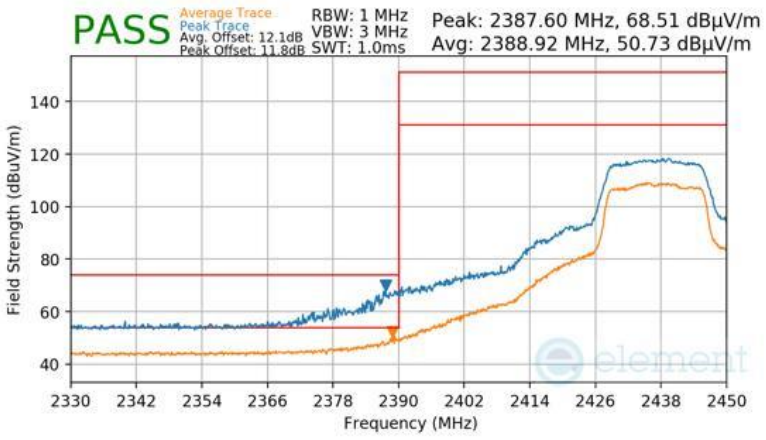
Plot 7-639 Radiated Restricted Lower Band Edge Measurement CDD

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



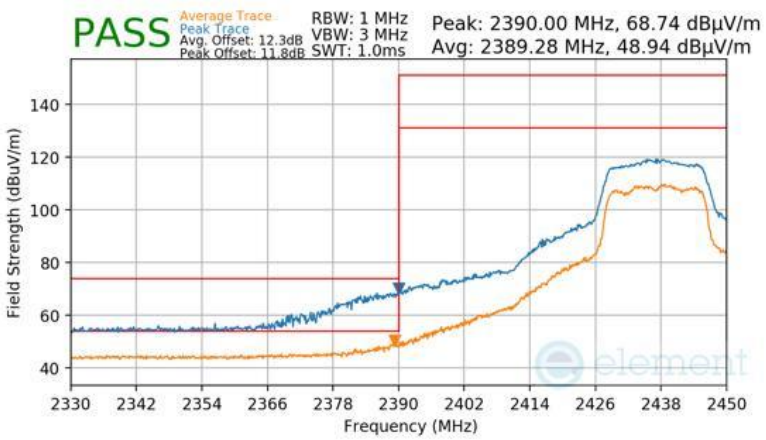
Plot 7-640 Radiated Restricted Lower Band Edge Measurement CDD

Mode	802.11n
Data Rate	MCS10
Distance of Measurement	3 Meters
Operating Frequency	2437MHz
Channel	6



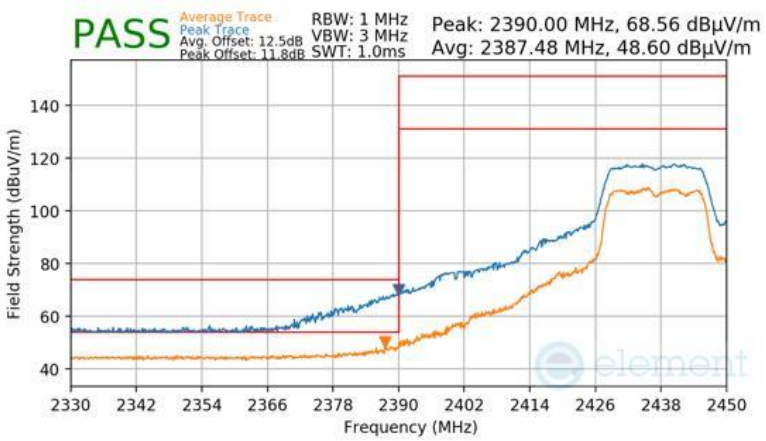
Plot 7-641 Radiated Restricted Lower Band Edge Measurement CDD

Mode	802.11n
Data Rate	MCS12
Distance of Measurement	3 Meters
Operating Frequency	2437MHz
Channel	6



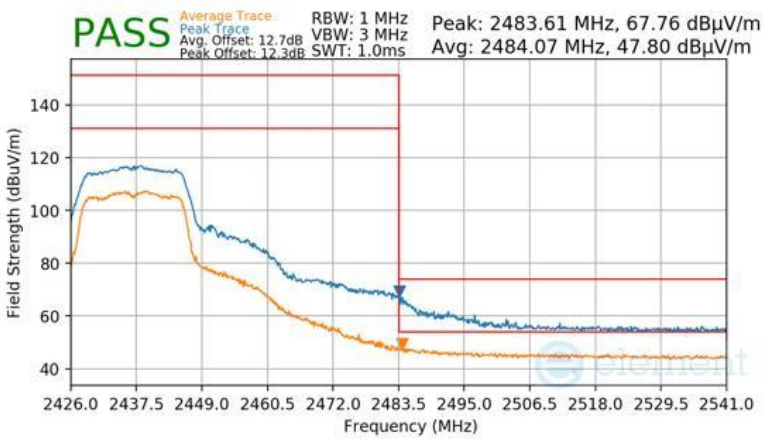
Plot 7-642 Radiated Restricted Lower Band Edge Measurement CDD

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



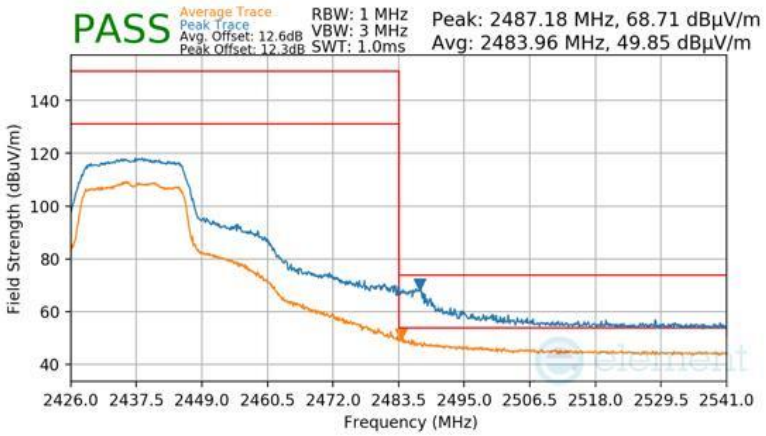
Plot 7-643 Radiated Restricted Lower Band Edge Measurement CDD

Mode	802.11n
Data Rate	MCS12
Distance of Measurement	3 Meters
Operating Frequency	2437MHz
Channel	6



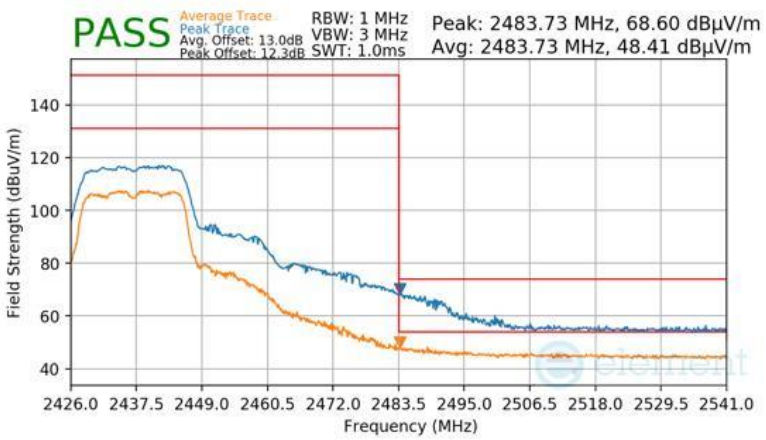
Plot 7-644 Radiated Restricted Upper Band Edge Measurement CDD

Mode	802.11n
Data Rate	MCS10
Distance of Measurement	3 Meters
Operating Frequency	2437MHz
Channel	6



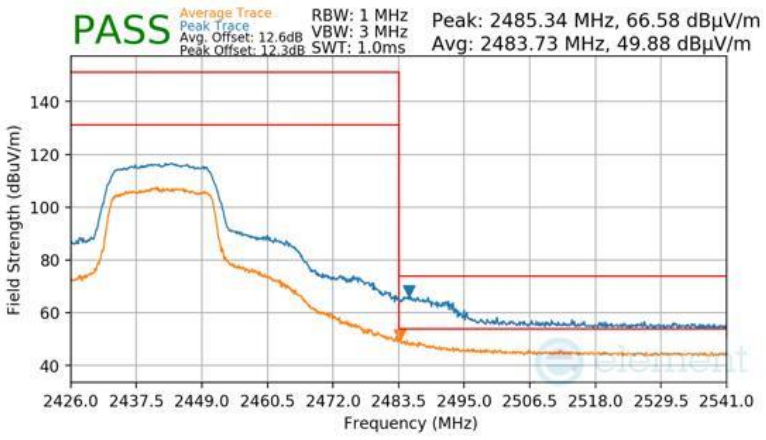
Plot 7-645 Radiated Restricted Upper Band Edge Measurement CDD

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



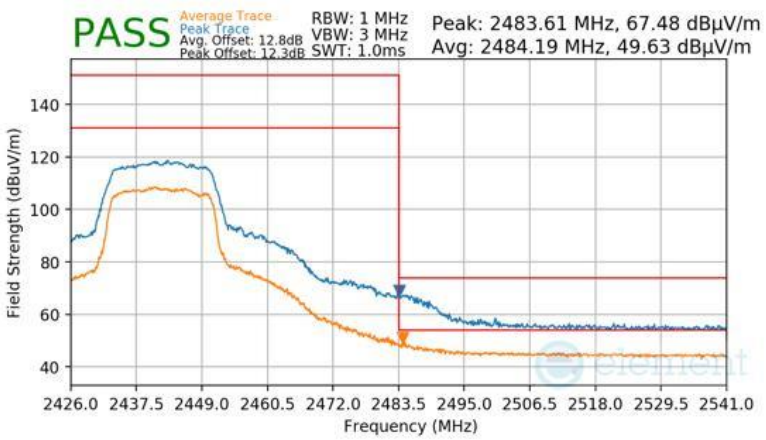
Plot 7-646 Radiated Restricted Upper Band Edge Measurement CDD

Mode	802.11n
Data Rate	MCS10
Distance of Measurement	3 Meters
Operating Frequency	2442MHz
Channel	7



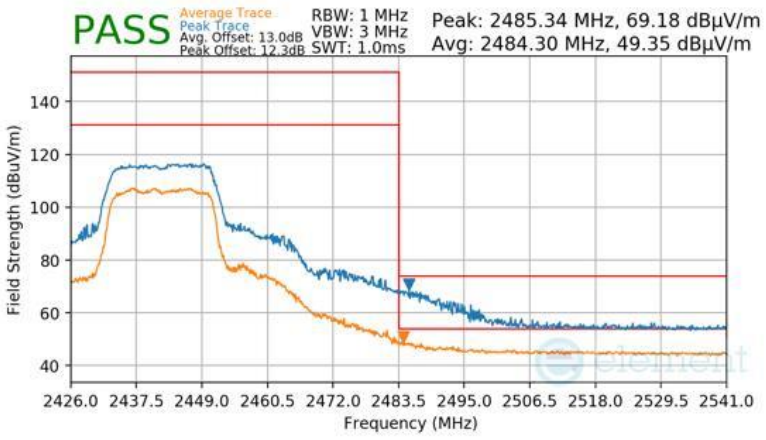
Plot 7-647 Radiated Restricted Upper Band Edge Measurement CDD

Mode	802.11n
Data Rate	MCS12
Distance of Measurement	3 Meters
Operating Frequency	2442MHz
Channel	7



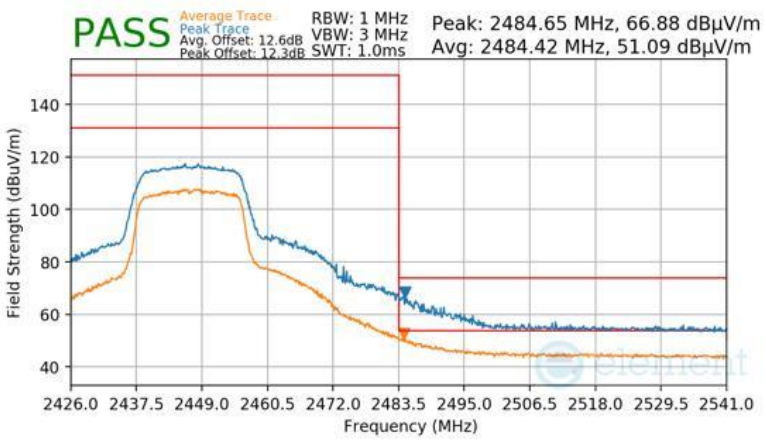
Plot 7-648 Radiated Restricted Upper Band Edge Measurement CDD

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



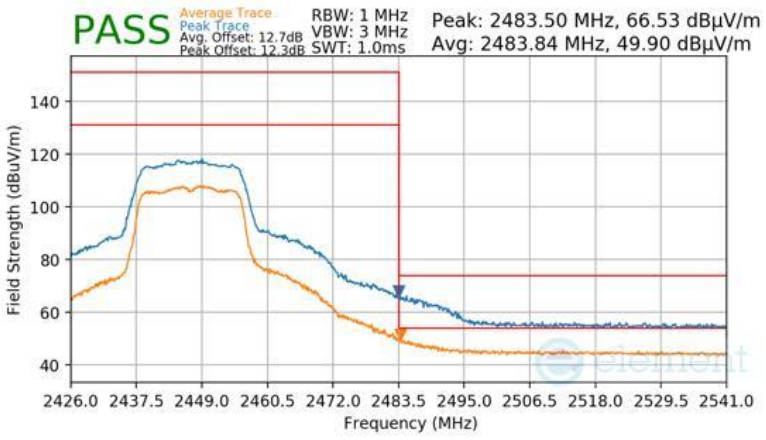
Plot 7-649 Radiated Restricted Upper Band Edge Measurement CDD

Mode	802.11n
Data Rate	MCS10
Distance of Measurement	3 Meters
Operating Frequency	2447MHz
Channel	8



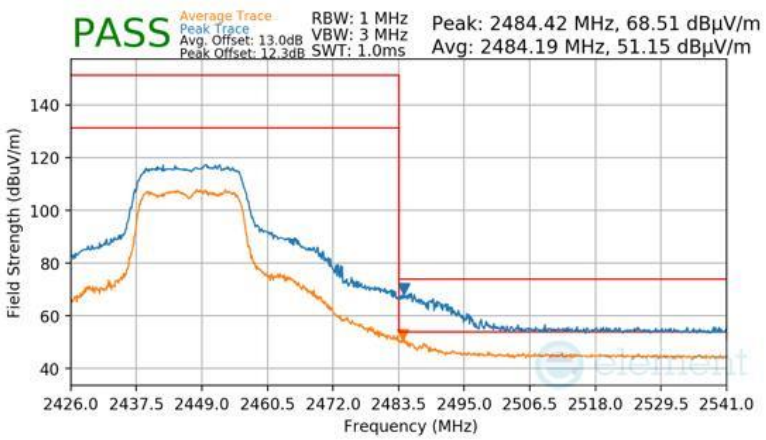
Plot 7-650 Radiated Restricted Upper Band Edge Measurement CDD

Mode	802.11n
Data Rate	MCS12
Distance of Measurement	3 Meters
Operating Frequency	2447MHz
Channel	8



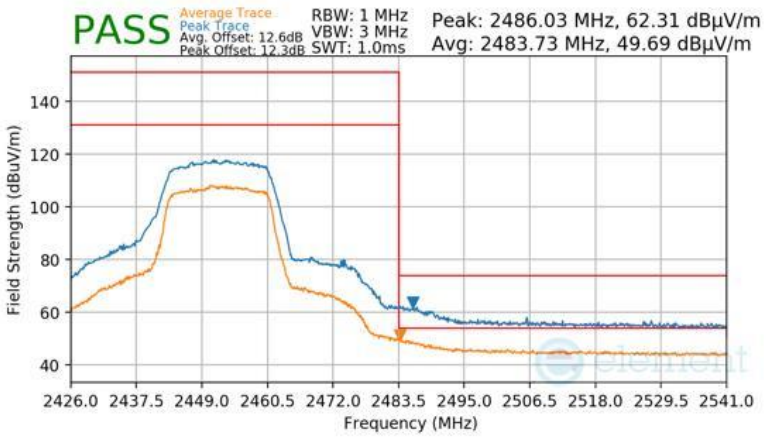
Plot 7-651 Radiated Restricted Upper Band Edge Measurement CDD

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



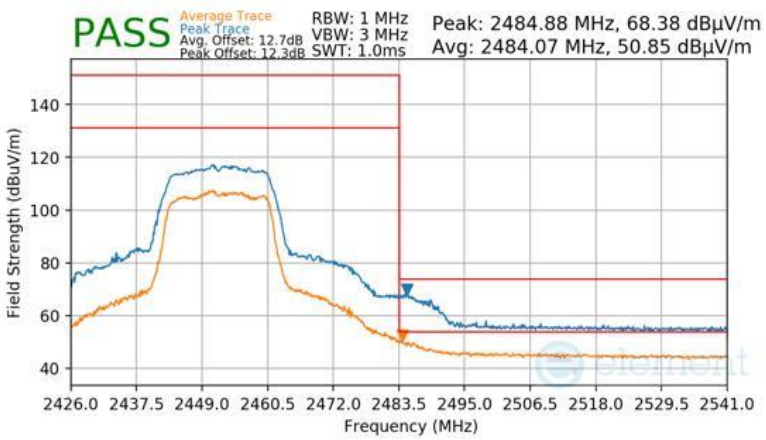
Plot 7-652 Radiated Restricted Upper Band Edge Measurement CDD

Mode	802.11n
Data Rate	MCS10
Distance of Measurement	3 Meters
Operating Frequency	2452MHz
Channel	9



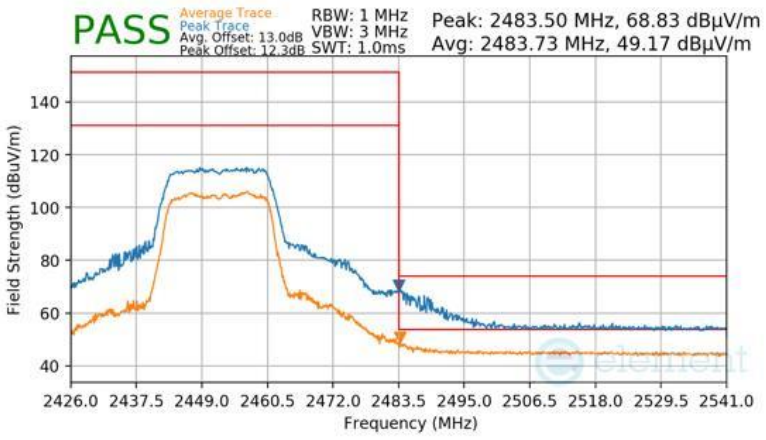
Plot 7-653 Radiated Restricted Upper Band Edge Measurement CDD

Mode	802.11n
Data Rate	MCS12
Distance of Measurement	3 Meters
Operating Frequency	2452MHz
Channel	9



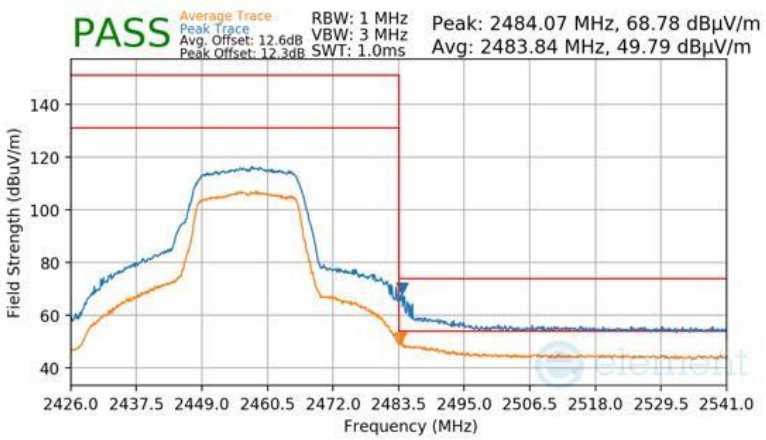
Plot 7-654 Radiated Restricted Upper Band Edge Measurement CDD

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



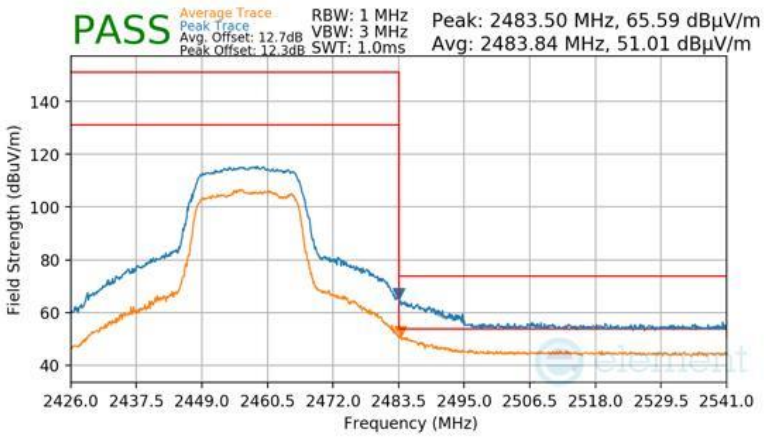
Plot 7-655 Radiated Restricted Upper Band Edge Measurement CDD

Mode	802.11n
Data Rate	MCS10
Distance of Measurement	3 Meters
Operating Frequency	2457MHz
Channel	10



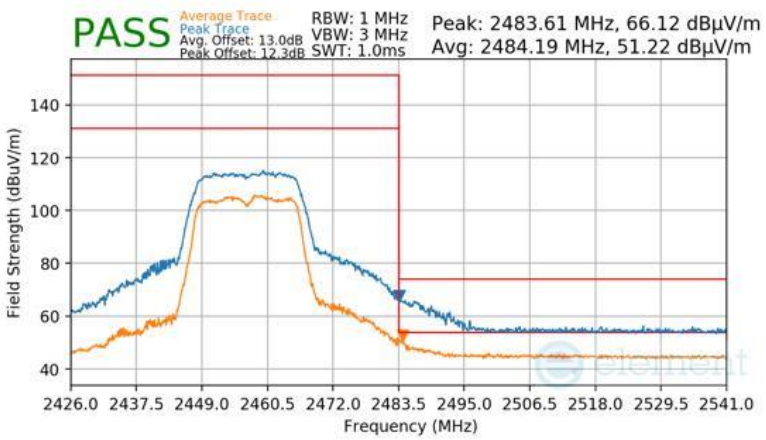
Plot 7-656 Radiated Restricted Upper Band Edge Measurement CDD

Mode	802.11n
Data Rate	MCS12
Distance of Measurement	3 Meters
Operating Frequency	2457MHz
Channel	10



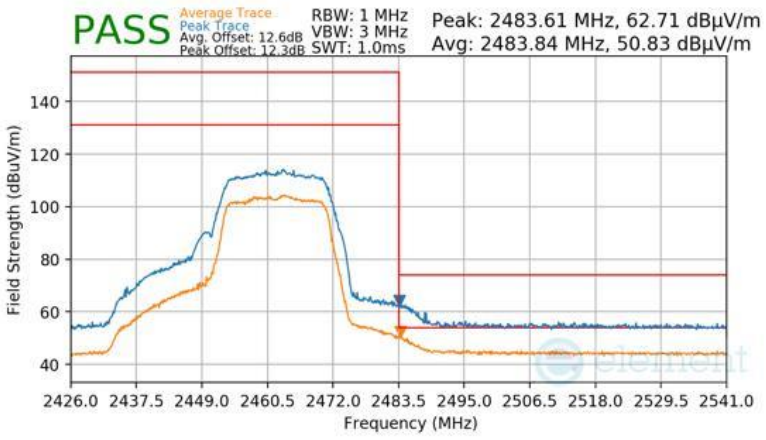
Plot 7-657 Radiated Restricted Upper Band Edge Measurement CDD

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



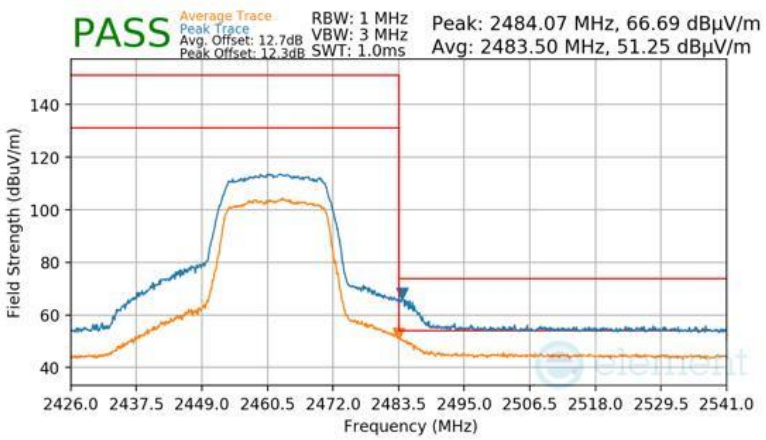
Plot 7-658 Radiated Restricted Upper Band Edge Measurement CDD

Mode	802.11n
Data Rate	MCS10
Distance of Measurement	3 Meters
Operating Frequency	2462MHz
Channel	11



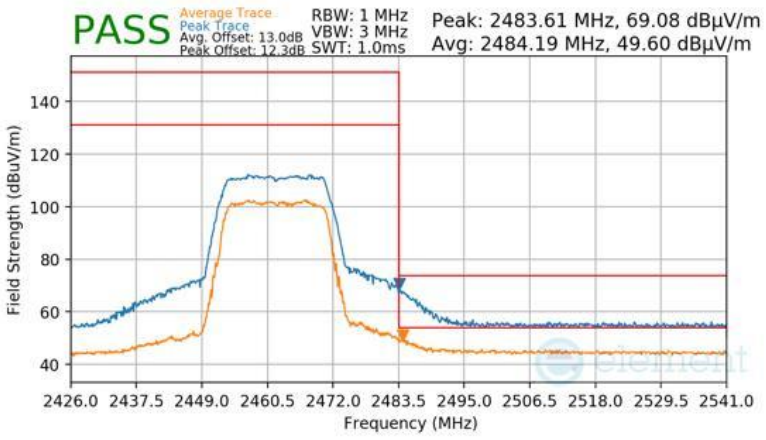
Plot 7-659 Radiated Restricted Upper Band Edge Measurement CDD

Mode	802.11n
Data Rate	MCS12
Distance of Measurement	3 Meters
Operating Frequency	2462MHz
Channel	11



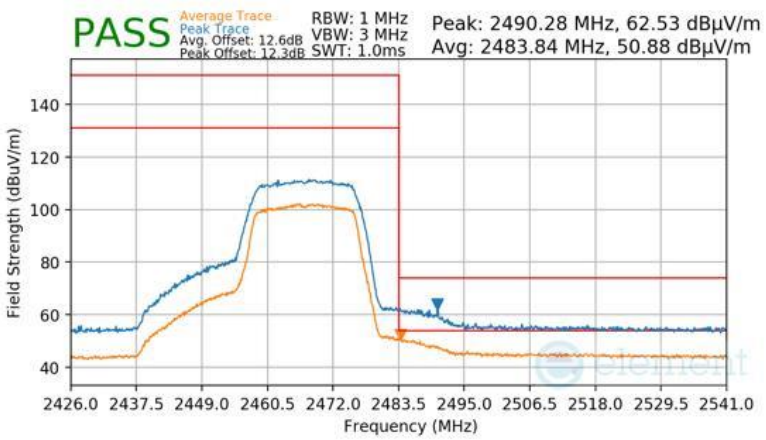
Plot 7-660 Radiated Restricted Upper Band Edge Measurement CDD

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



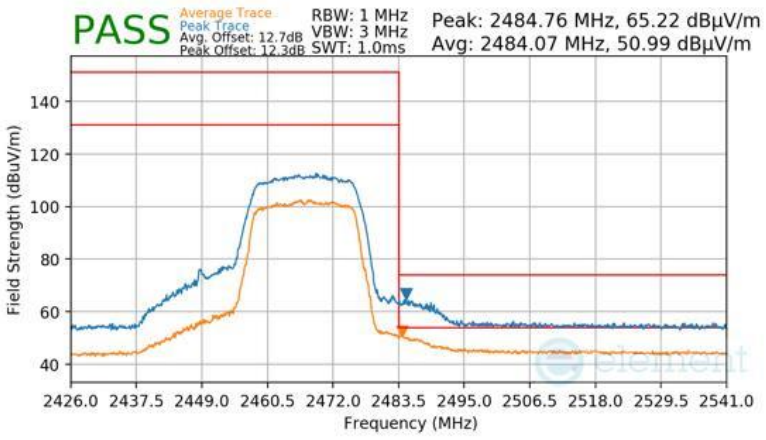
Plot 7-661 Radiated Restricted Upper Band Edge Measurement CDD

Mode	802.11n
Data Rate	MCS10
Distance of Measurement	3 Meters
Operating Frequency	2467MHz
Channel	12



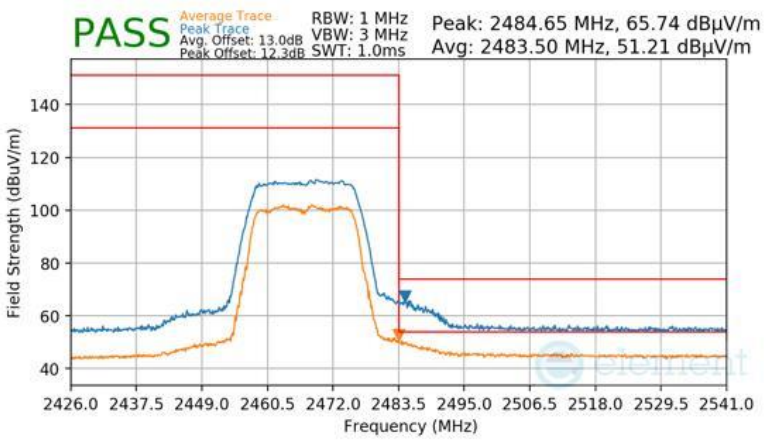
Plot 7-662 Radiated Restricted Upper Band Edge Measurement CDD

Mode	802.11n
Data Rate	MCS12
Distance of Measurement	3 Meters
Operating Frequency	2467MHz
Channel	12



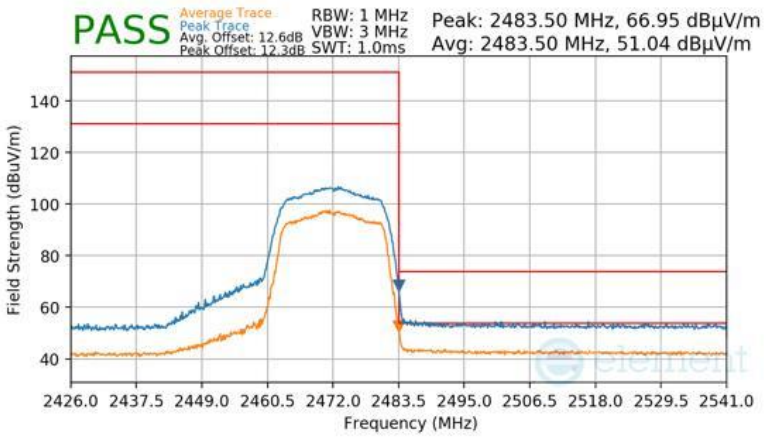
Plot 7-663 Radiated Restricted Upper Band Edge Measurement CDD

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



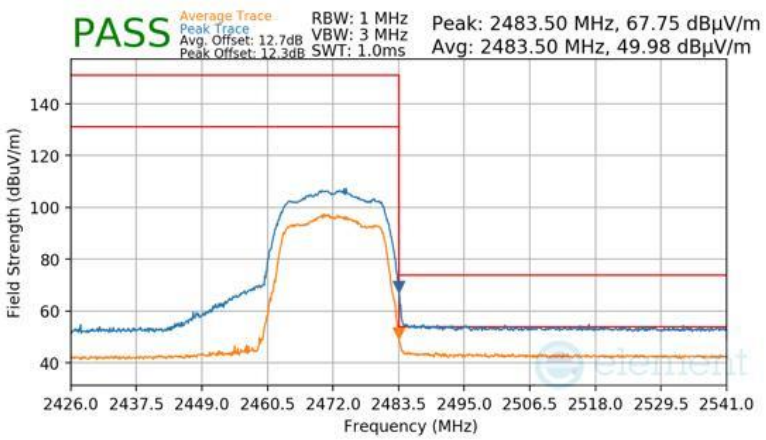
Plot 7-664 Radiated Restricted Upper Band Edge Measurement CDD

Mode	802.11n
Data Rate	MCS10
Distance of Measurement	3 Meters
Operating Frequency	2472MHz
Channel	13



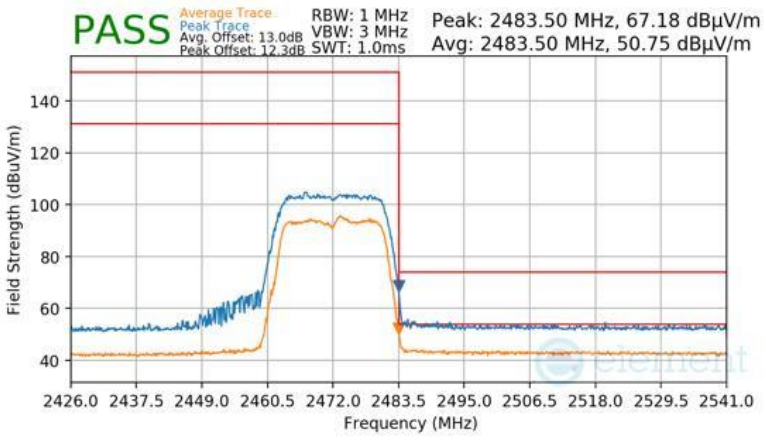
Plot 7-665 Radiated Restricted Upper Band Edge Measurement CDD

Mode	802.11n
Data Rate	MCS12
Distance of Measurement	3 Meters
Operating Frequency	2472MHz
Channel	13



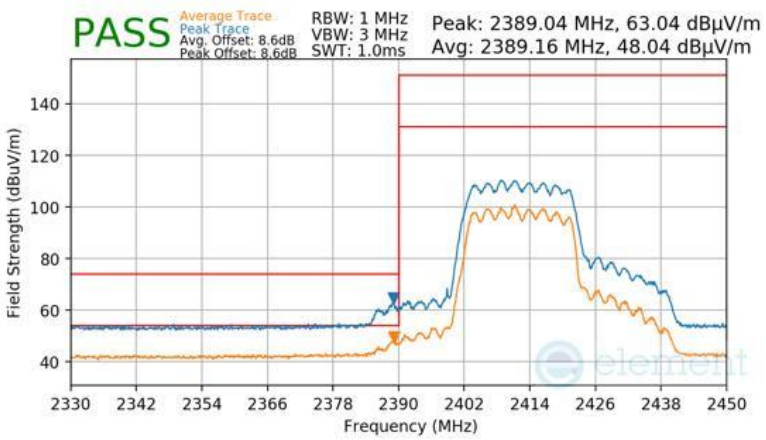
Plot 7-666 Radiated Restricted Upper Band Edge Measurement CDD

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



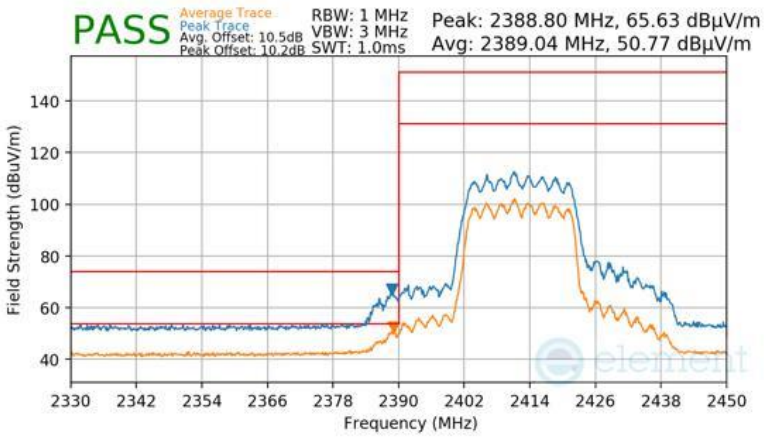
Plot 7-667 Radiated Restricted Upper Band Edge Measurement CDD

Mode	802.11ax-SU
Data Rate	MCS2
Distance of Measurement	3 Meters
Operating Frequency	2412MHz
Channel	1



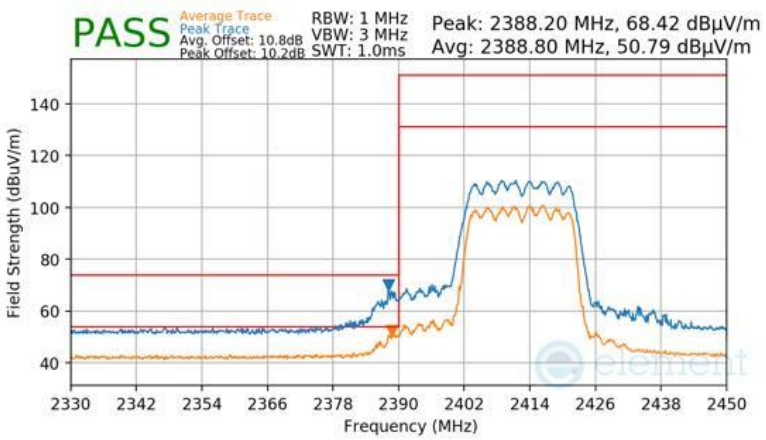
Plot 7-668 Radiated Restricted Lower Band Edge Measurement CDD

Mode	802.11ax-SU
Data Rate	MCS4
Distance of Measurement	3 Meters
Operating Frequency	2412MHz
Channel	1



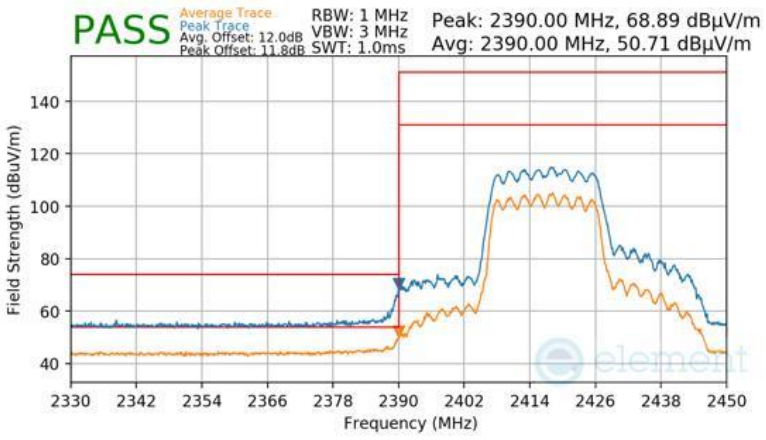
Plot 7-669 Radiated Restricted Lower Band Edge Measurement CDD

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



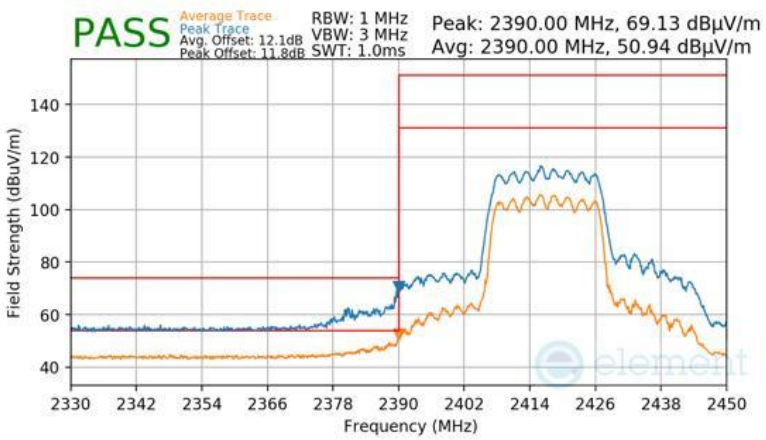
Plot 7-670 Radiated Restricted Lower Band Edge Measurement CDD

Mode	802.11ax-SU
Data Rate	MCS2
Distance of Measurement	3 Meters
Operating Frequency	2417MHz
Channel	2



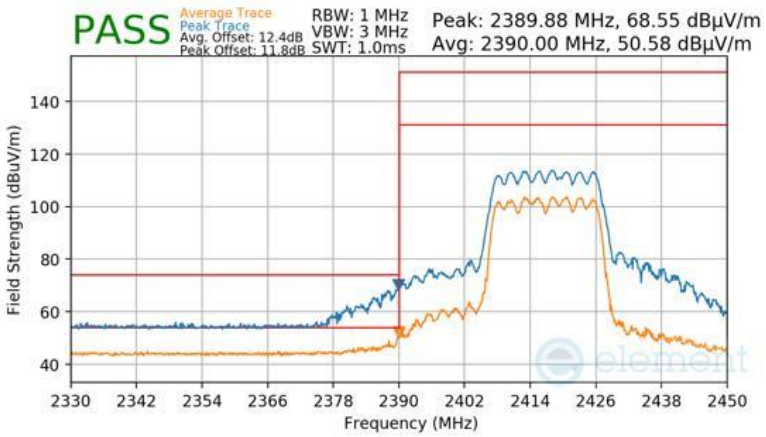
Plot 7-671 Radiated Restricted Lower Band Edge Measurement CDD

Mode	802.11ax-SU
Data Rate	MCS4
Distance of Measurement	3 Meters
Operating Frequency	2417MHz
Channel	2



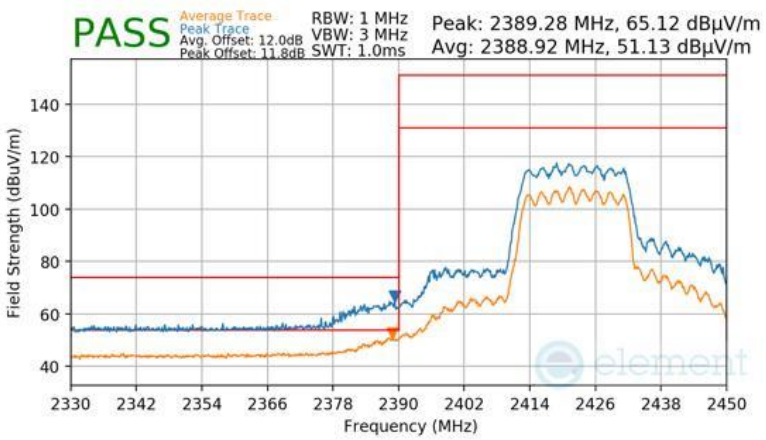
Plot 7-672 Radiated Restricted Lower Band Edge Measurement CDD

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



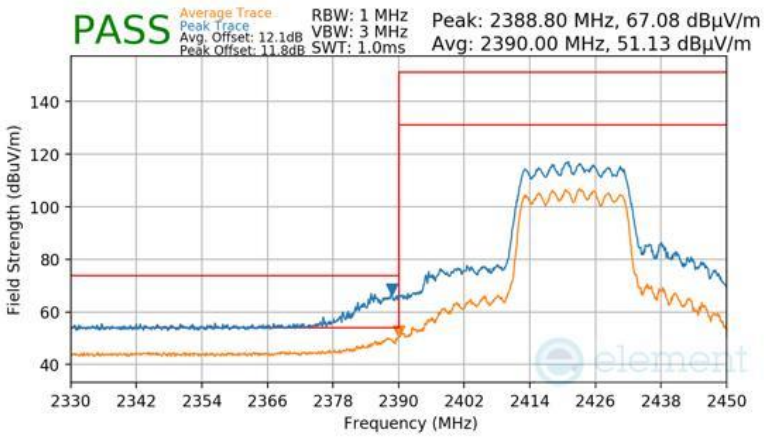
Plot 7-673 Radiated Restricted Lower Band Edge Measurement CDD

Mode	802.11ax-SU
Data Rate	MCS2
Distance of Measurement	3 Meters
Operating Frequency	2422MHz
Channel	3



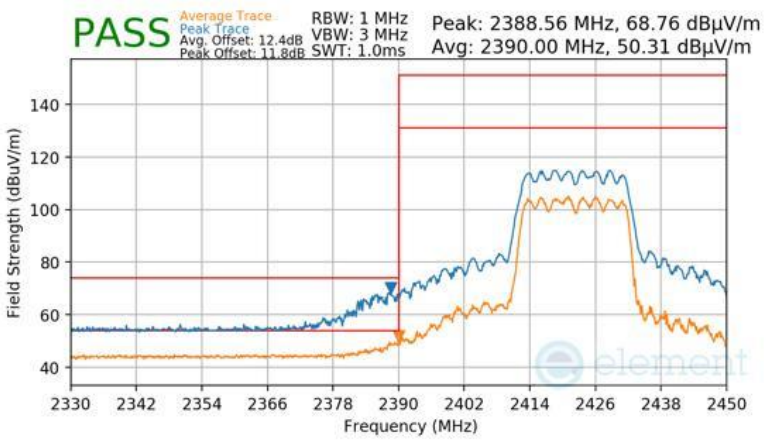
Plot 7-674 Radiated Restricted Lower Band Edge Measurement CDD

Mode	802.11ax-SU
Data Rate	MCS4
Distance of Measurement	3 Meters
Operating Frequency	2422MHz
Channel	3



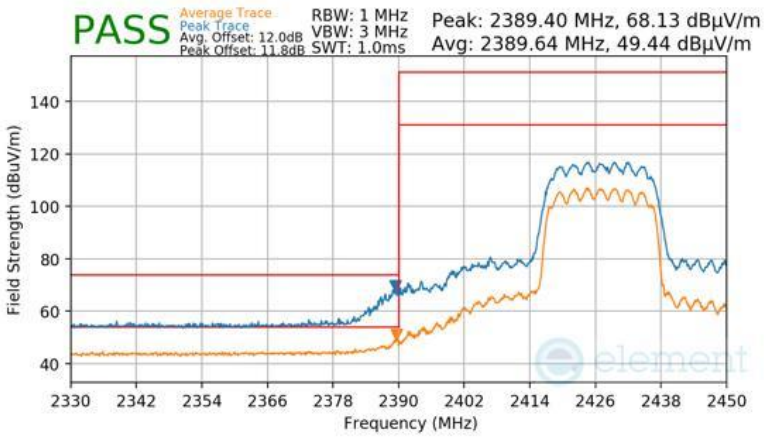
Plot 7-675 Radiated Restricted Lower Band Edge Measurement CDD

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



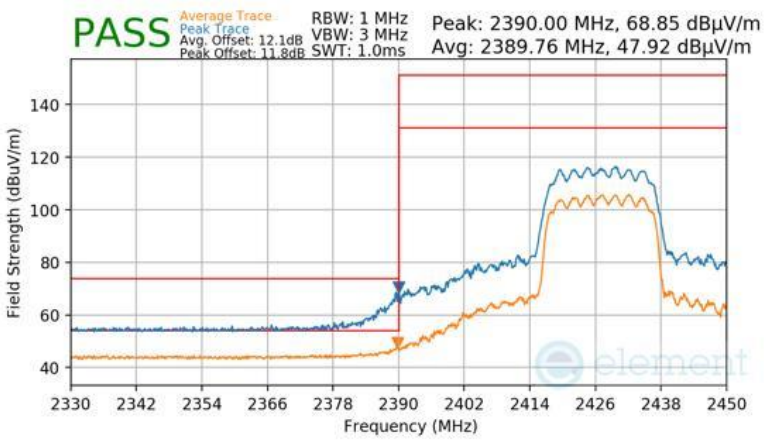
Plot 7-676 Radiated Restricted Lower Band Edge Measurement CDD

Mode	802.11ax-SU
Data Rate	MCS2
Distance of Measurement	3 Meters
Operating Frequency	2427MHz
Channel	4



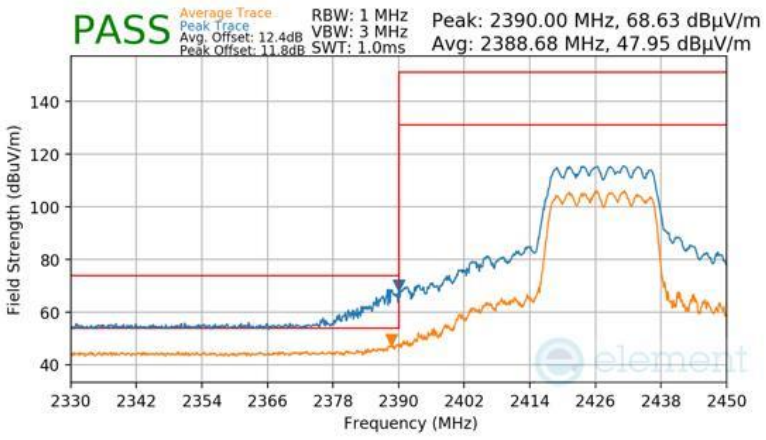
Plot 7-677 Radiated Restricted Lower Band Edge Measurement CDD

Mode	802.11ax-SU
Data Rate	MCS4
Distance of Measurement	3 Meters
Operating Frequency	2427MHz
Channel	4



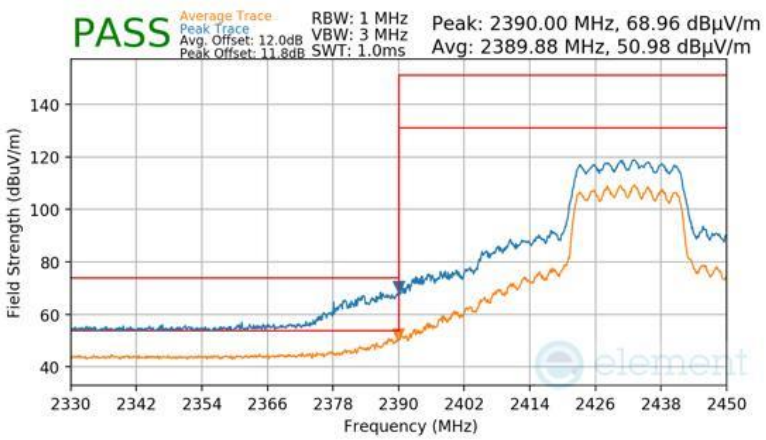
Plot 7-678 Radiated Restricted Lower Band Edge Measurement CDD

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



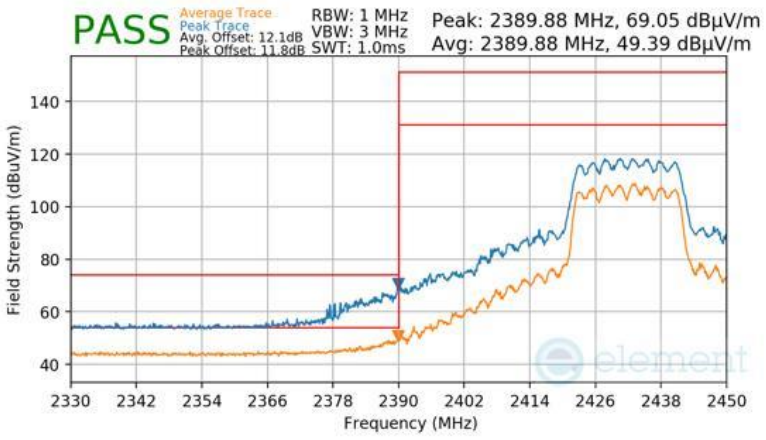
Plot 7-679 Radiated Restricted Lower Band Edge Measurement CDD

Mode	802.11ax-SU
Data Rate	MCS2
Distance of Measurement	3 Meters
Operating Frequency	2432MHz
Channel	5



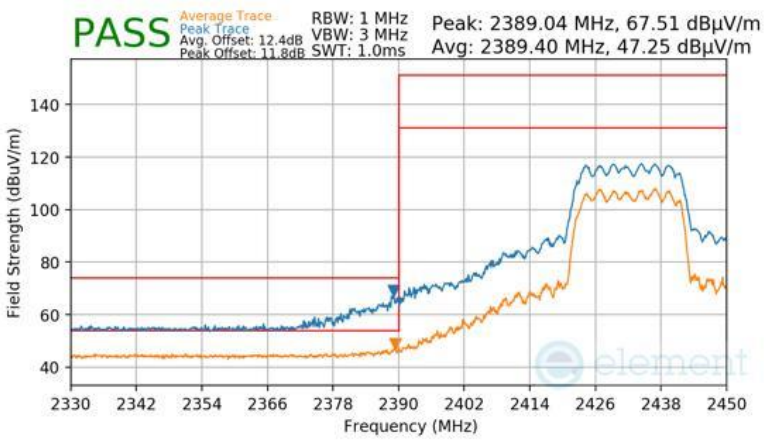
Plot 7-680 Radiated Restricted Lower Band Edge Measurement CDD

Mode	802.11ax-SU
Data Rate	MCS4
Distance of Measurement	3 Meters
Operating Frequency	2432MHz
Channel	5



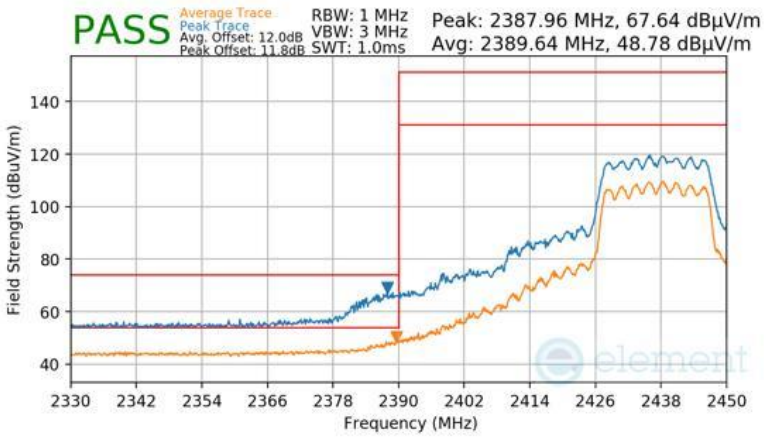
Plot 7-681 Radiated Restricted Lower Band Edge Measurement CDD

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



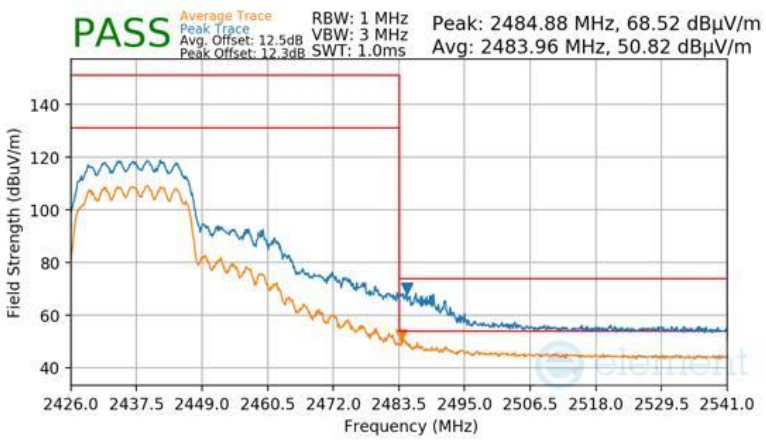
Plot 7-682 Radiated Restricted Lower Band Edge Measurement CDD

Mode	802.11ax-SU
Data Rate	MCS2
Distance of Measurement	3 Meters
Operating Frequency	2437MHz
Channel	6



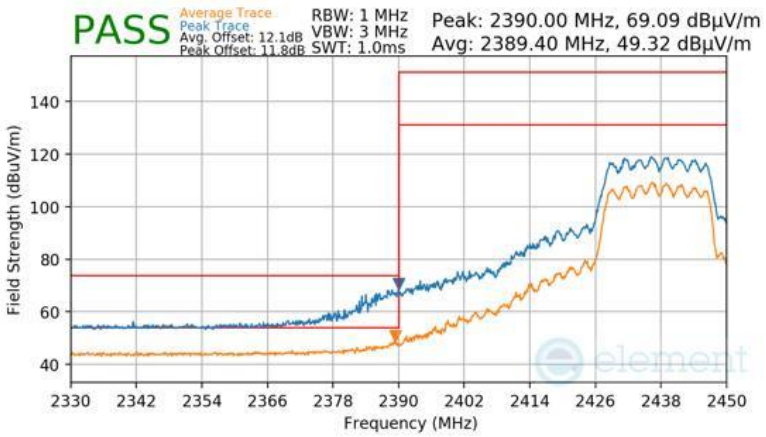
Plot 7-683 Radiated Restricted Lower Band Edge Measurement CDD

Mode	802.11ax-SU
Data Rate	MCS2
Distance of Measurement	3 Meters
Operating Frequency	2437MHz
Channel	6



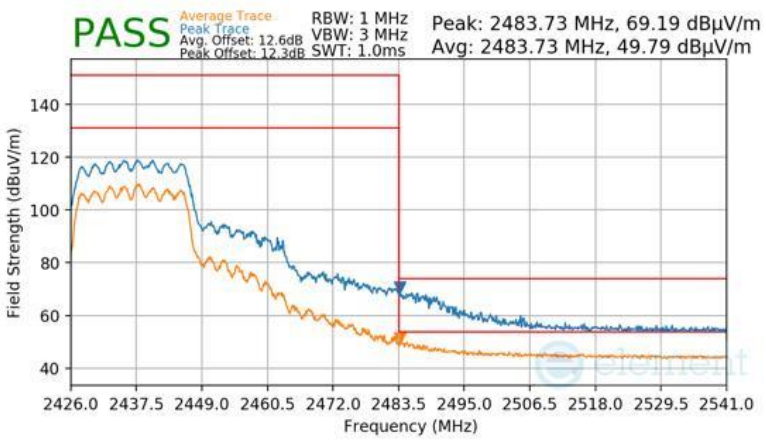
Plot 7-684 Radiated Restricted Upper Band Edge Measurement CDD

Mode	802.11ax-SU
Data Rate	MCS4
Distance of Measurement	3 Meters
Operating Frequency	2437MHz
Channel	6



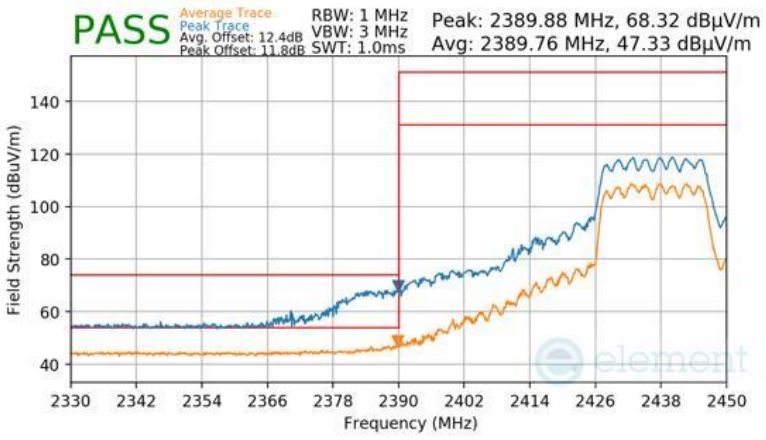
Plot 7-685 Radiated Restricted Lower Band Edge Measurement CDD

Mode	802.11ax-SU
Data Rate	MCS4
Distance of Measurement	3 Meters
Operating Frequency	2437MHz
Channel	6



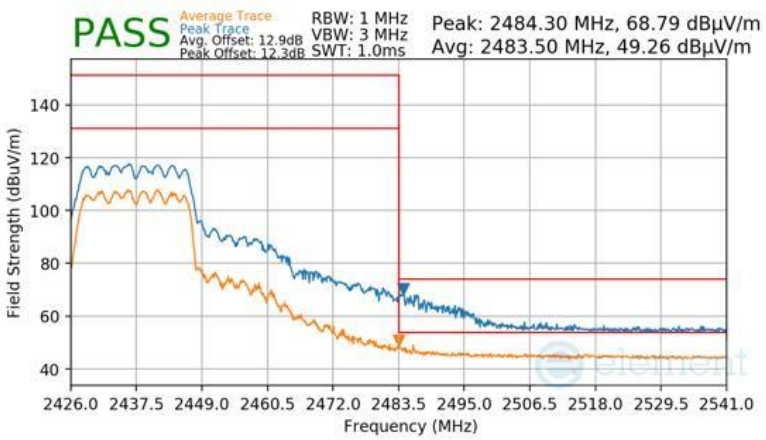
Plot 7-686 Radiated Restricted Upper Band Edge Measurement CDD

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



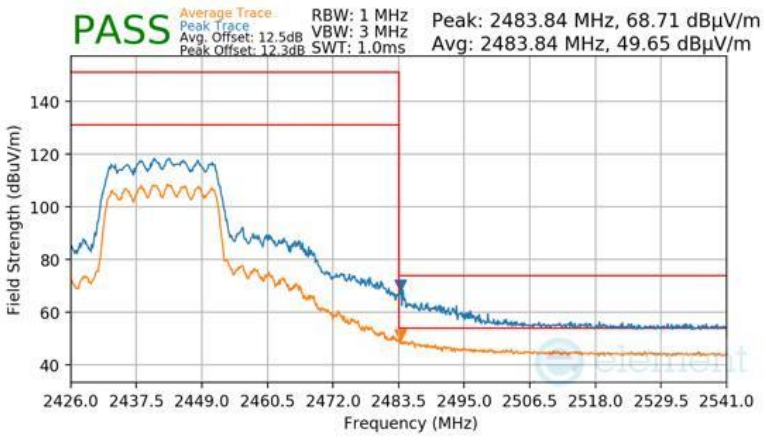
Plot 7-687 Radiated Restricted Lower Band Edge Measurement CDD

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



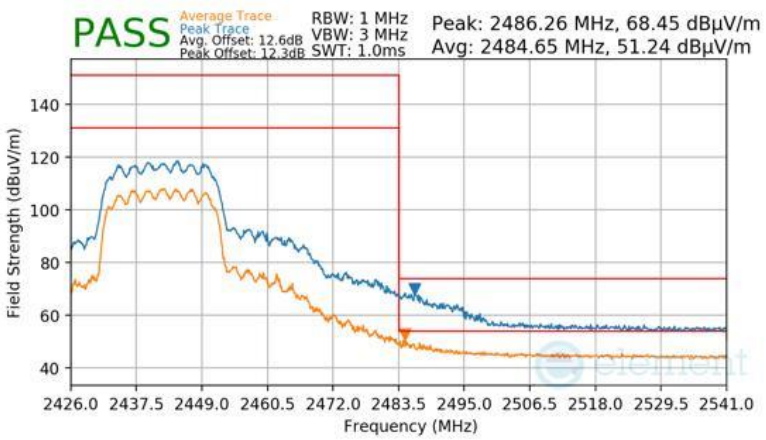
Plot 7-688 Radiated Restricted Upper Band Edge Measurement CDD

Mode	802.11ax-SU
Data Rate	MCS2
Distance of Measurement	3 Meters
Operating Frequency	2442MHz
Channel	7



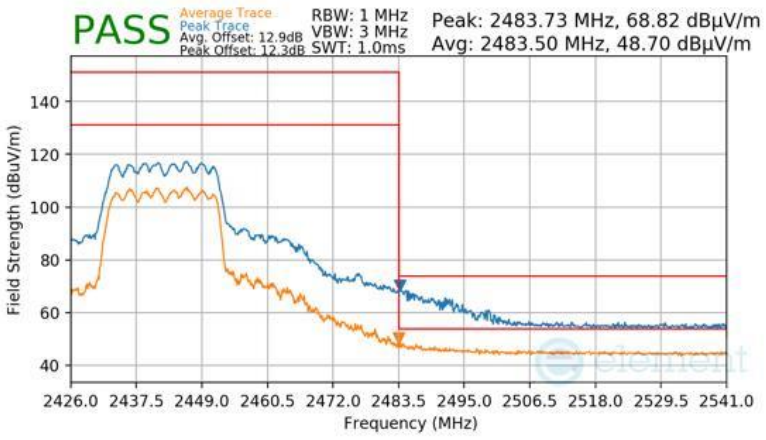
Plot 7-689 Radiated Restricted Upper Band Edge Measurement CDD

Mode	802.11ax-SU
Data Rate	MCS4
Distance of Measurement	3 Meters
Operating Frequency	2442MHz
Channel	7



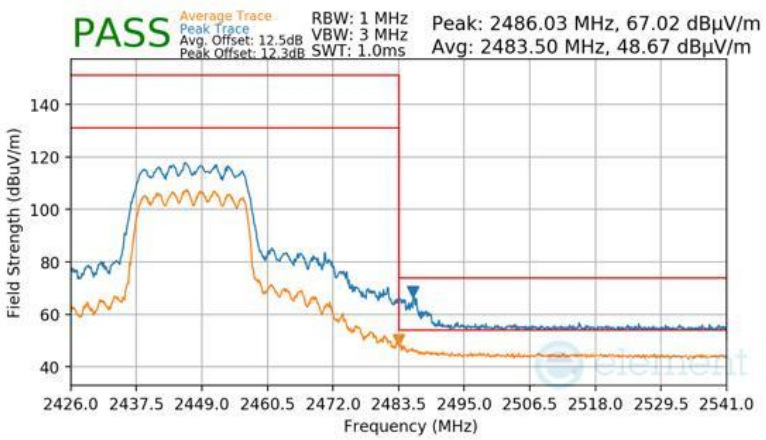
Plot 7-690 Radiated Restricted Upper Band Edge Measurement CDD

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



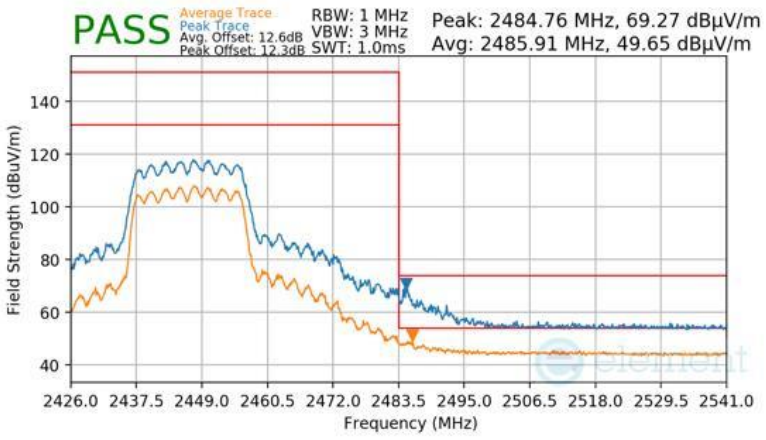
Plot 7-691 Radiated Restricted Upper Band Edge Measurement CDD

Mode	802.11ax-SU
Data Rate	MCS2
Distance of Measurement	3 Meters
Operating Frequency	2447MHz
Channel	8



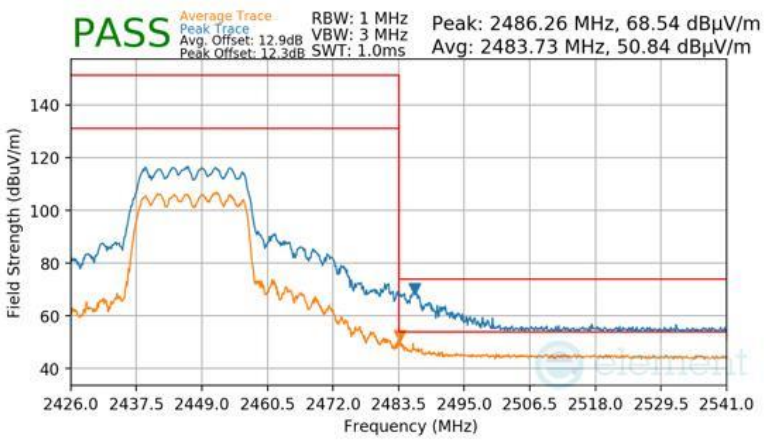
Plot 7-692 Radiated Restricted Upper Band Edge Measurement CDD

Mode	802.11ax-SU
Data Rate	MCS4
Distance of Measurement	3 Meters
Operating Frequency	2447MHz
Channel	8



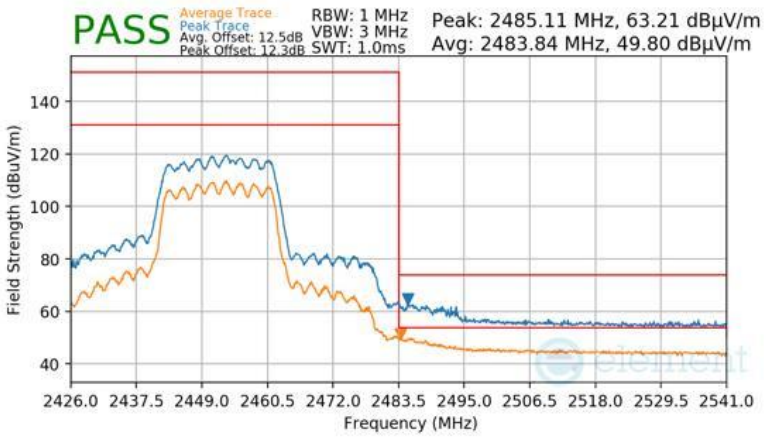
Plot 7-693 Radiated Restricted Upper Band Edge Measurement CDD

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



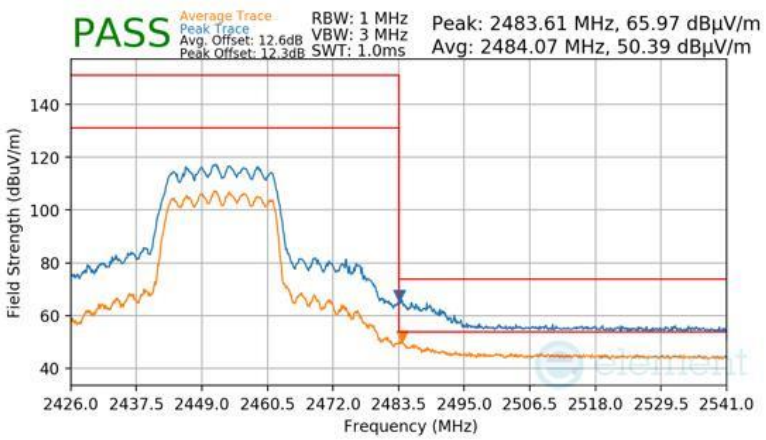
Plot 7-694 Radiated Restricted Upper Band Edge Measurement CDD

Mode	802.11ax-SU
Data Rate	MCS2
Distance of Measurement	3 Meters
Operating Frequency	2452MHz
Channel	9



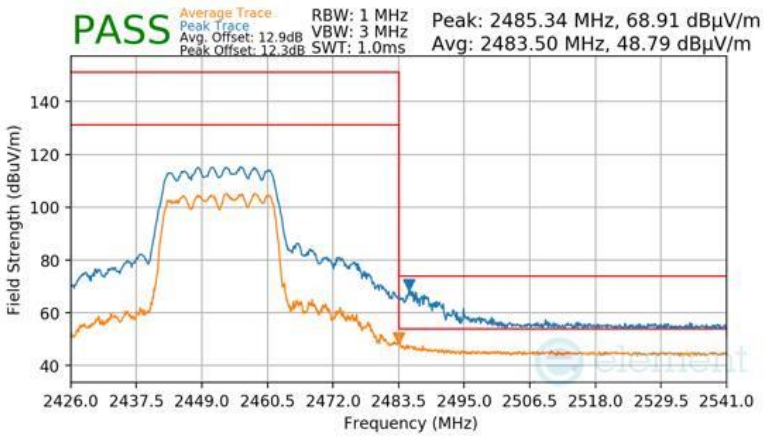
Plot 7-695 Radiated Restricted Upper Band Edge Measurement CDD

Mode	802.11ax-SU
Data Rate	MCS4
Distance of Measurement	3 Meters
Operating Frequency	2452MHz
Channel	9



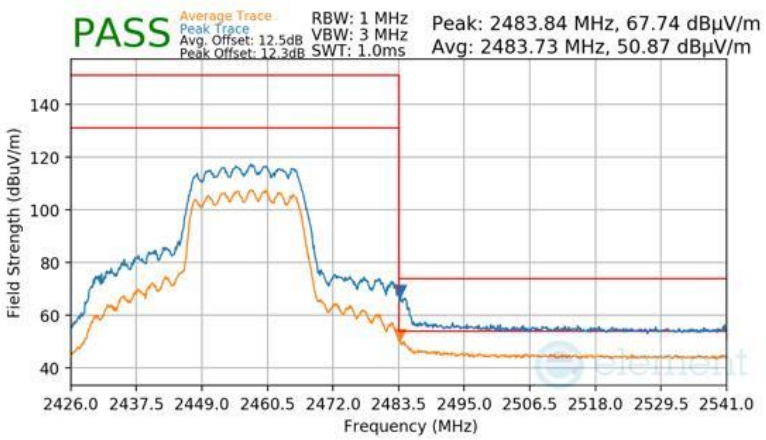
Plot 7-696 Radiated Restricted Upper Band Edge Measurement CDD

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



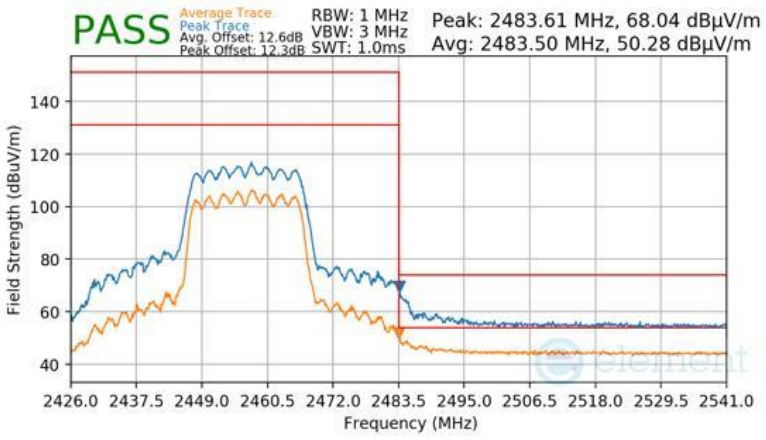
Plot 7-697 Radiated Restricted Upper Band Edge Measurement CDD

Mode	802.11ax-SU
Data Rate	MCS2
Distance of Measurement	3 Meters
Operating Frequency	2457MHz
Channel	10



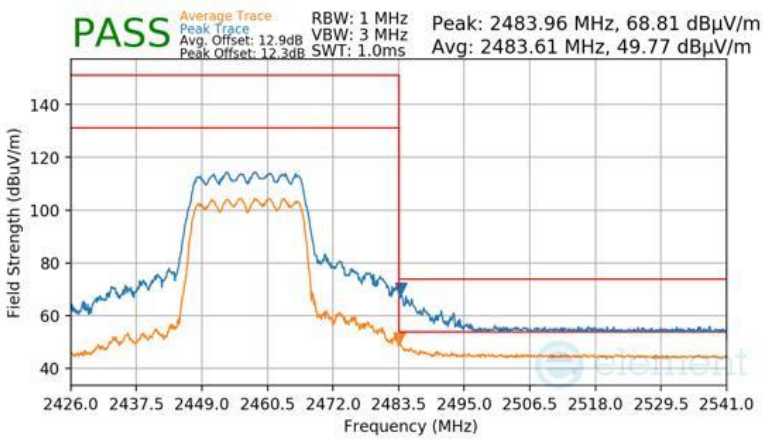
Plot 7-698 Radiated Restricted Upper Band Edge Measurement CDD

Mode	802.11ax-SU
Data Rate	MCS4
Distance of Measurement	3 Meters
Operating Frequency	2457MHz
Channel	10



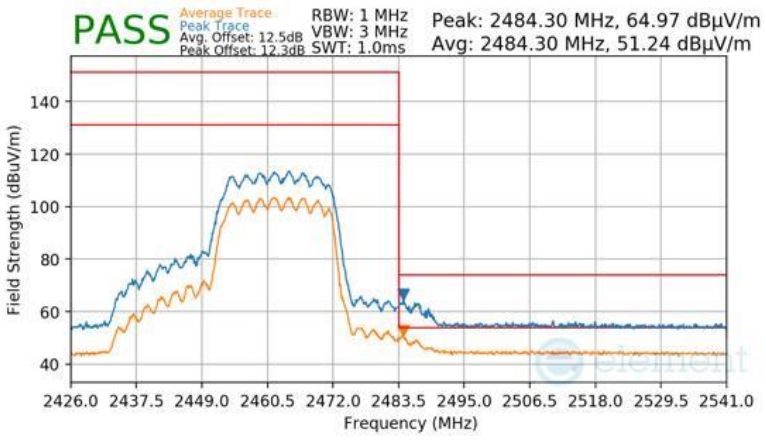
Plot 7-699 Radiated Restricted Upper Band Edge Measurement CDD

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



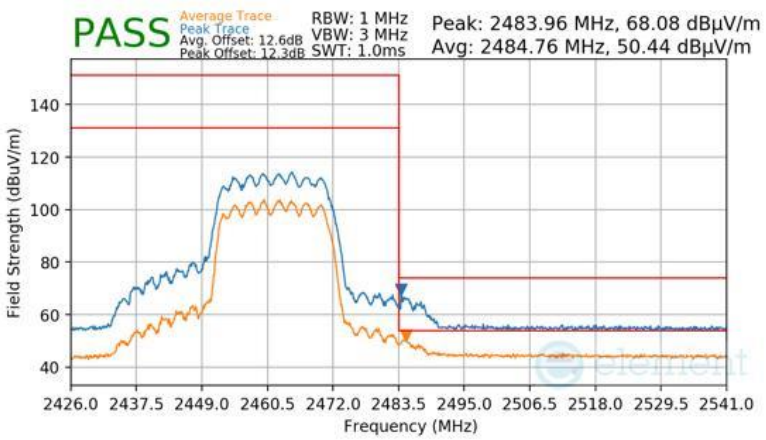
Plot 7-700 Radiated Restricted Upper Band Edge Measurement CDD

Mode	802.11ax-SU
Data Rate	MCS2
Distance of Measurement	3 Meters
Operating Frequency	2462MHz
Channel	11



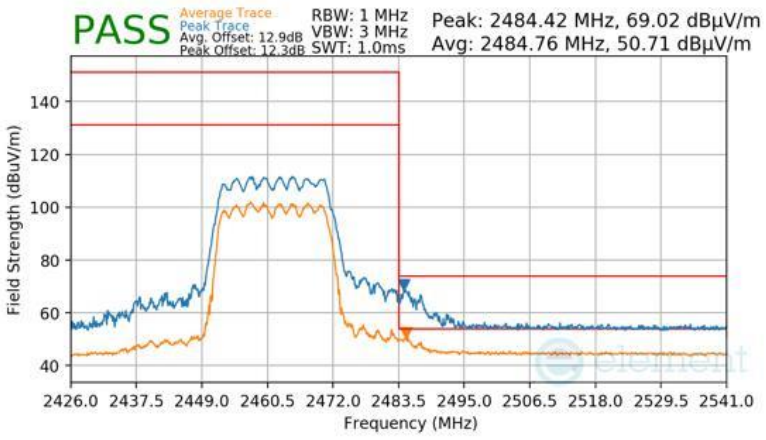
Plot 7-701 Radiated Restricted Upper Band Edge Measurement CDD

Mode	802.11ax-SU
Data Rate	MCS4
Distance of Measurement	3 Meters
Operating Frequency	2462MHz
Channel	11



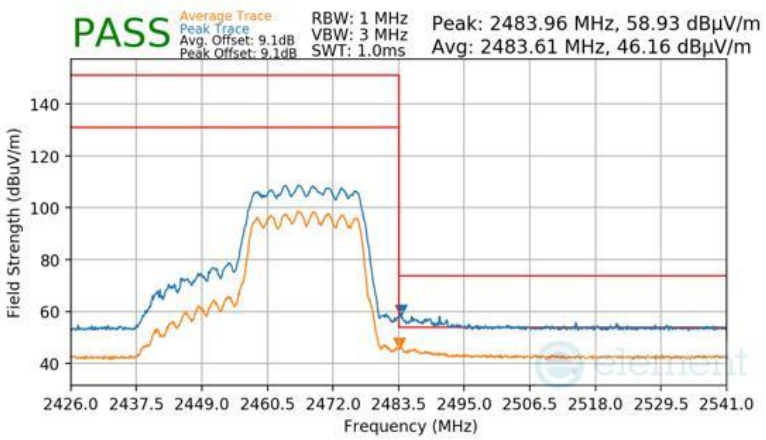
Plot 7-702 Radiated Restricted Upper Band Edge Measurement CDD

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



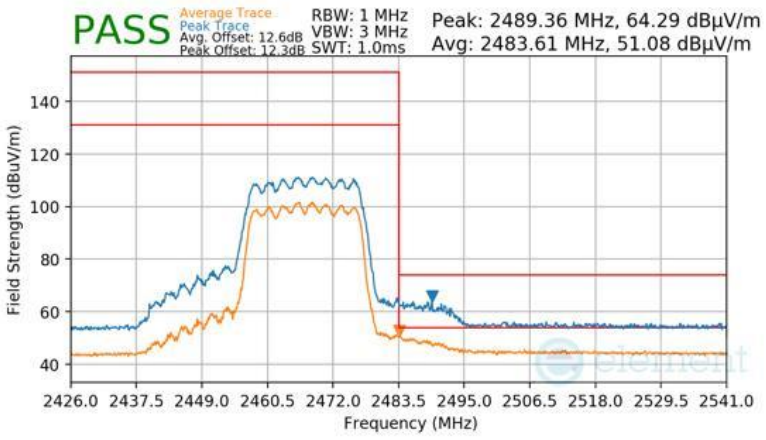
Plot 7-703 Radiated Restricted Upper Band Edge Measurement CDD

Mode	802.11ax-SU
Data Rate	MCS2
Distance of Measurement	3 Meters
Operating Frequency	2467MHz
Channel	12



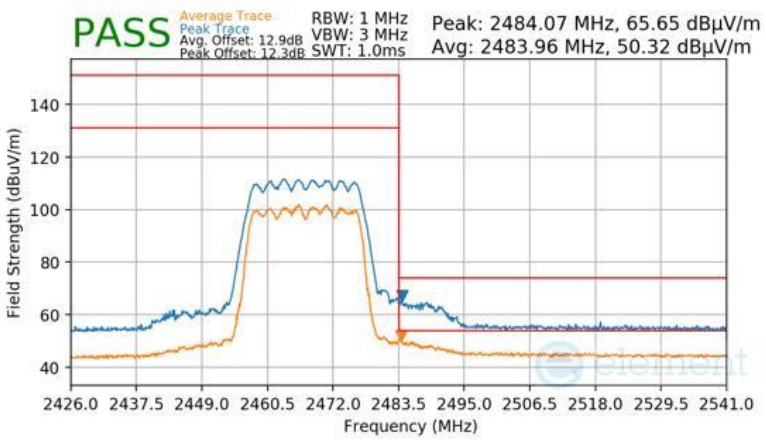
Plot 7-704 Radiated Restricted Upper Band Edge Measurement CDD

Mode	802.11ax-SU
Data Rate	MCS4
Distance of Measurement	3 Meters
Operating Frequency	2467MHz
Channel	12



Plot 7-705 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 7-706 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 7-66 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 7-66. Radiated Limits

Test Procedures Used

ANSI C63.10-2013

Test Settings

Quasi-Peak Field Strength Measurements

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

Peak Field Strength Measurements

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

Test Setup

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

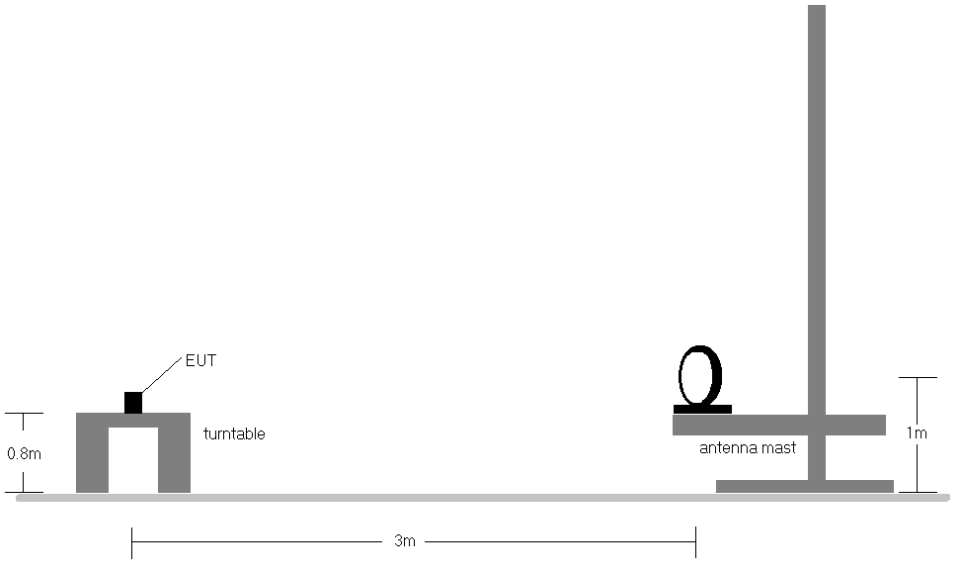


Figure 7-7. Radiated Test Setup < 30Mhz

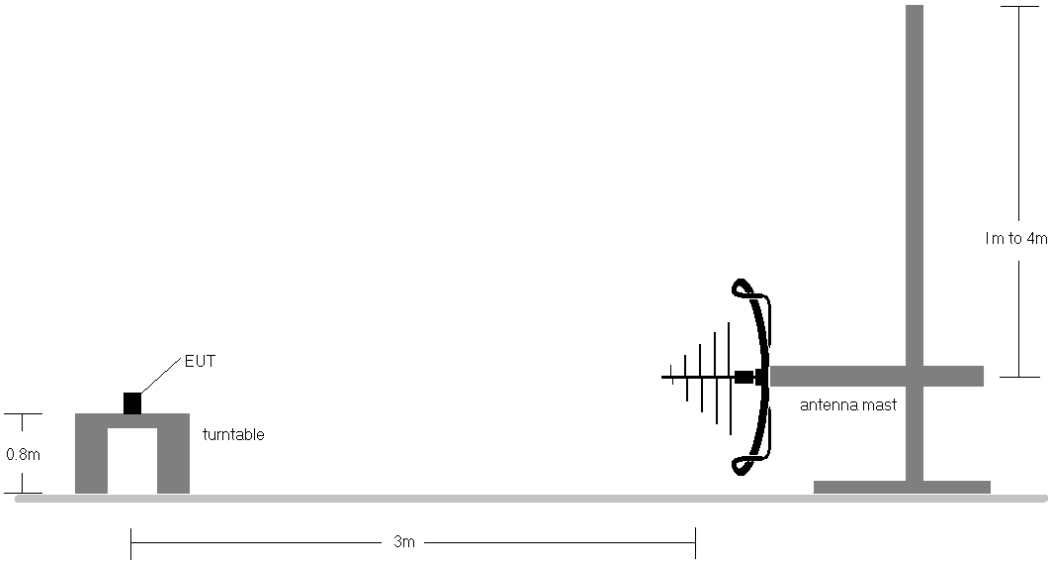


Figure 7-8. Radiated Test Setup < 1GHz

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 7-66.
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 wide spectrum spurious emissions plots shown on the following pages are used only for the purpose of emission identification.
10. The unit was tested with all possible modes and only the highest emission is reported.
11. All antenna configurations were investigated and only the worst case is reported.

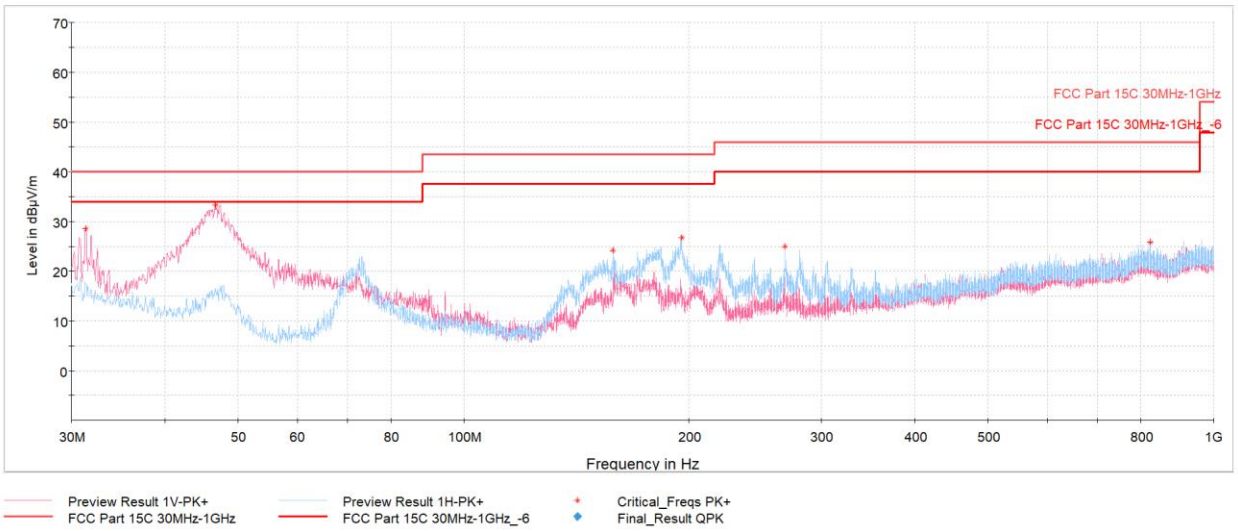
Sample Calculations

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)

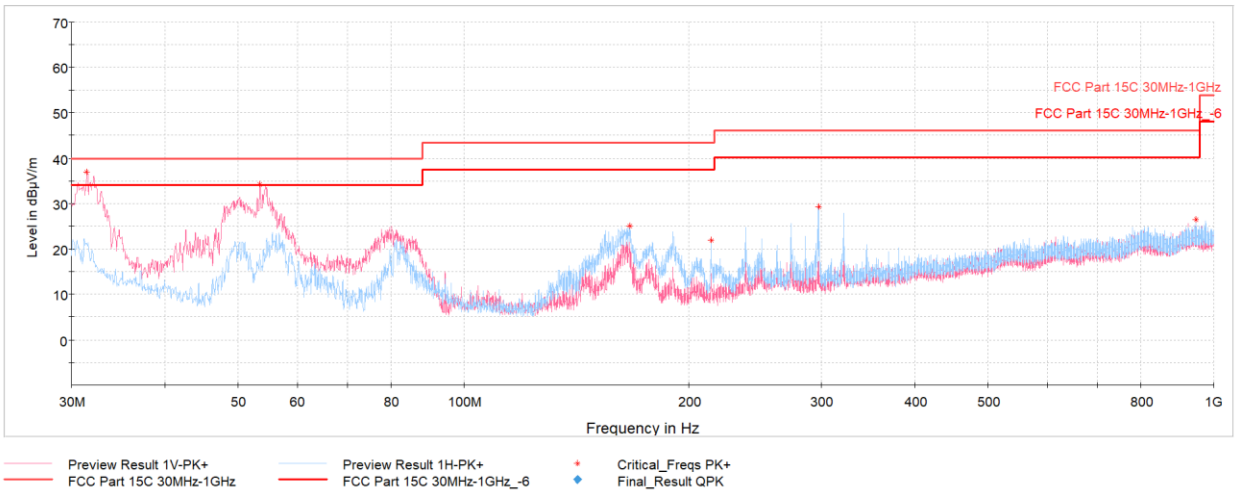
§15.209; RSS-Gen [8.9]



Plot 7-707. 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]
31.36	Max-Peak	V	200	335	-62.35	-16.02	28.63	40.00	-11.37
46.68	Max-Peak	V	100	302	-50.44	-23.15	33.41	40.00	-6.59
158.28	Max-Peak	H	100	218	-63.92	-18.81	24.27	43.52	-19.25
195.19	Max-Peak	H	100	35	-61.41	-18.86	26.73	43.52	-16.79
268.14	Max-Peak	H	100	357	-67.40	-14.67	24.93	46.02	-21.09
822.44	Max-Peak	H	100	348	-76.43	-4.72	25.85	46.02	-20.17

Table 7-67. Radiated Spurious Emissions below 1GHz CDD 11n Ch.6, with AC/DC Adapter



Plot 7-708. 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]
31.46	Quasi-Peak	V	105	60	-58.97	-16.09	31.94	40.00	-8.06
53.52	Quasi-Peak	V	100	0	-54.64	-22.98	29.38	40.00	-10.62
166.53	Max-Peak	H	200	0	-61.95	-19.94	25.11	43.52	-18.41
214.06	Max-Peak	H	100	242	-66.98	-18.18	21.84	43.52	-21.68
297.24	Max-Peak	H	100	292	-62.79	-14.95	29.26	46.02	-16.76
947.38	Max-Peak	H	200	357	-76.36	-4.10	26.54	46.02	-19.48

Table 7-68. 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 7-69. Conducted Limits

*Decreases with the logarithm of the frequency.

Test Procedures Used

ANSI C63.10-2013, Subclause 6.2

Test Settings

Quasi-Peak Measurements

1. Analyzer center frequency was set to the frequency of the spurious emission of interest
2. RBW = 9kHz (for emissions from 150kHz – 30MHz)
3. Detector = quasi-peak
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

Average Measurements

1. Analyzer center frequency was set to the frequency of the spurious emission of interest
2. RBW = 9kHz (for emissions from 150kHz – 30MHz)
3. Detector = RMS
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

Test Setup

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

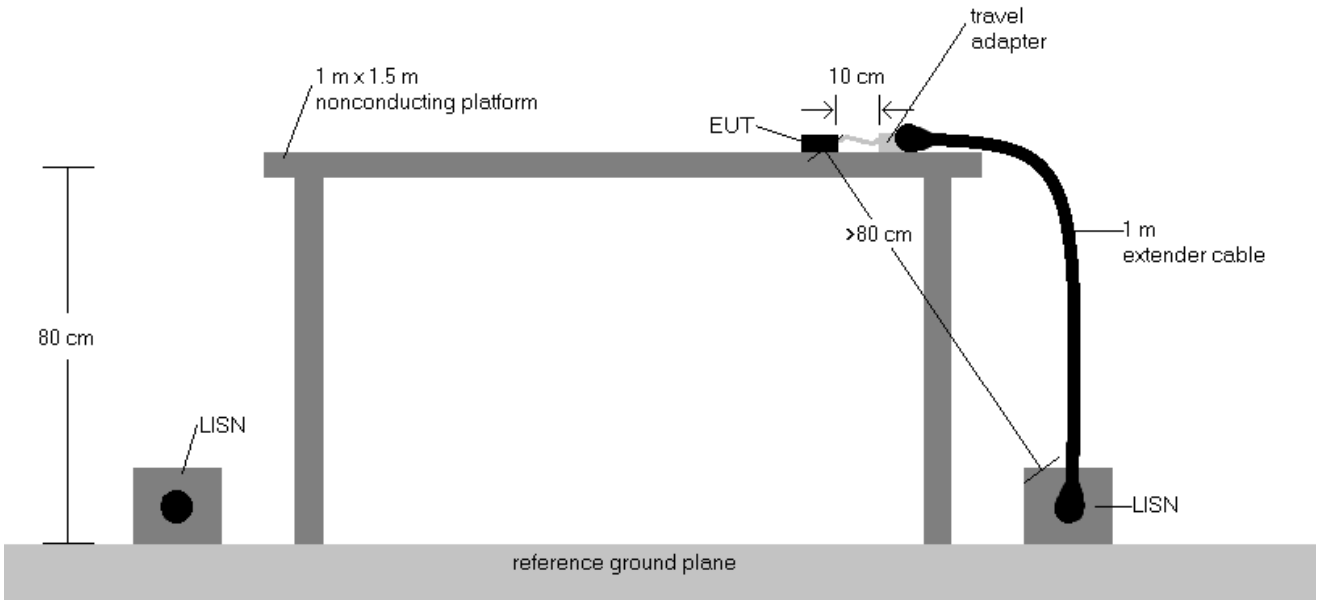
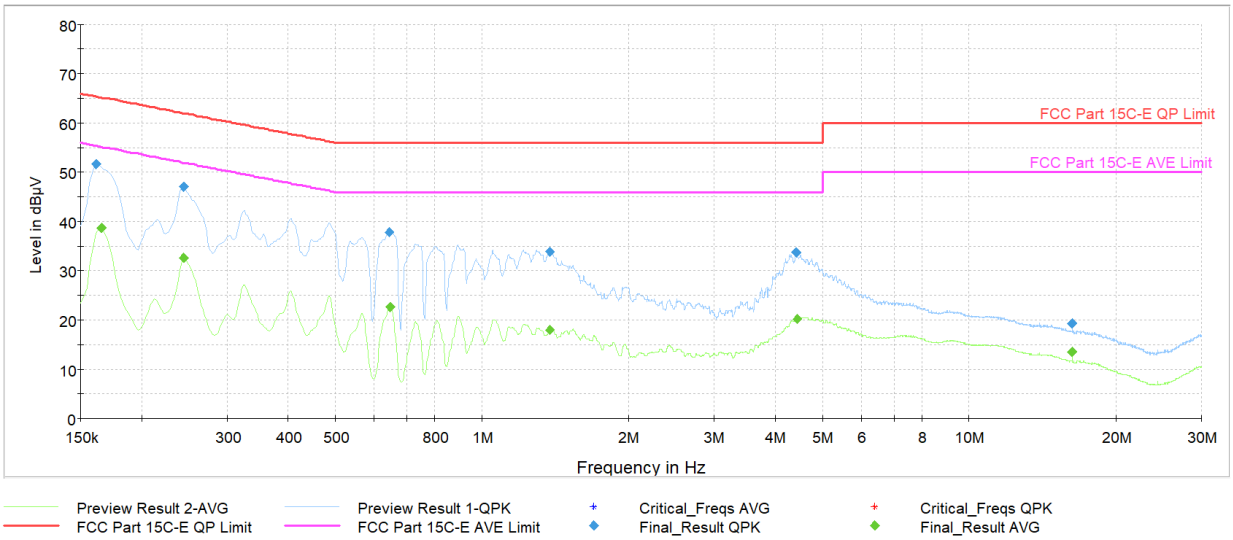


Figure 7-9. Test Instrument & Measurement Setup

Test Notes

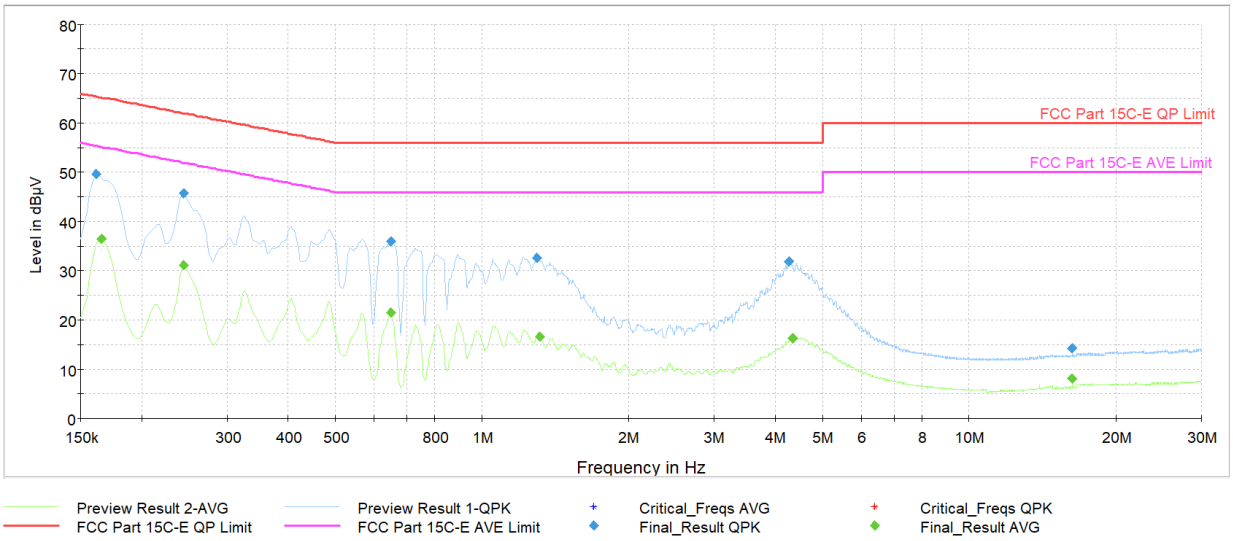
1. All modes of operation were investigated and the worst-case emissions are reported. The emissions found were not affected by the choice of channel used during testing.
2. Both configurations below were investigated, and the worst case has been reported.
   a. EUT powered by AC/DC adaptor via USB-C cable with wire charger
   b. EUT powered by host PC via USB-C cable with wire charger
3. The limit for an intentional radiator from 150kHz to 30MHz are specified in Part 15.207 and RSS-Gen(8.8).
4. Corr. (dB) = Cable loss (dB) + LISN insertion factor (dB)
5. QP/AV Level (dBμV) = QP/AV Analyzer/Receiver Level (dBμV) + 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 7-709. 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
0.161	FINAL	51.8	—	65.40	-13.65	L1	GND
0.166	FINAL	—	38.63	55.17	-16.54	L1	GND
0.245	FINAL	—	32.58	51.94	-19.36	L1	GND
0.245	FINAL	47.1	—	61.94	-14.83	L1	GND
0.645	FINAL	37.9	—	56.00	-18.13	L1	GND
0.647	FINAL	—	22.67	46.00	-23.33	L1	GND
1.376	FINAL	33.9	—	56.00	-22.15	L1	GND
1.376	FINAL	—	18.00	46.00	-28.00	L1	GND
4.425	FINAL	33.6	—	56.00	-22.39	L1	GND
4.434	FINAL	—	20.15	46.00	-25.85	L1	GND
16.278	FINAL	—	13.60	50.00	-36.40	L1	GND
16.278	FINAL	19.3	—	60.00	-40.66	L1	GND

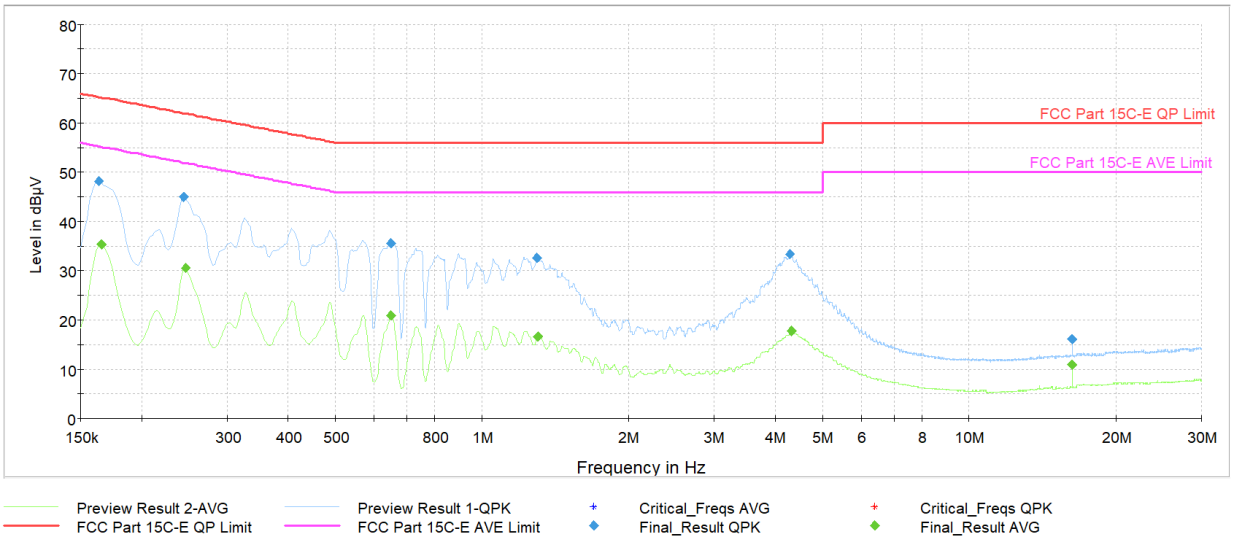
Table 7-70. AC Line Conducted Data with CDD 11n Ch.6 (L1, with AC/DC Adapter)



Plot 7-710. 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
0.161	FINAL	49.6	—	65.40	-15.81	N	GND
0.166	FINAL	—	36.50	55.17	-18.67	N	GND
0.245	FINAL	—	31.05	51.94	-20.90	N	GND
0.245	FINAL	45.7	—	61.94	-16.27	N	GND
0.650	FINAL	—	21.49	46.00	-24.51	N	GND
0.650	FINAL	35.8	—	56.00	-20.16	N	GND
1.295	FINAL	32.5	—	56.00	-23.46	N	GND
1.316	FINAL	—	16.73	46.00	-29.27	N	GND
4.277	FINAL	31.8	—	56.00	-24.20	N	GND
4.333	FINAL	—	16.38	46.00	-29.62	N	GND
16.271	FINAL	—	8.11	50.00	-41.89	N	GND
16.271	FINAL	14.2	—	60.00	-45.76	N	GND

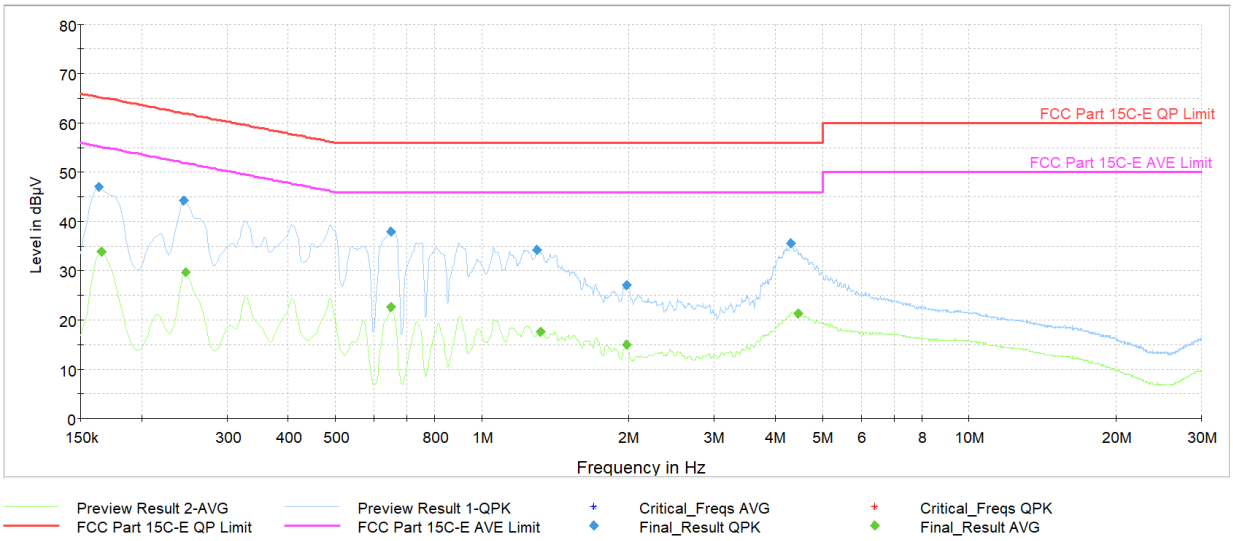
Table 7-71. AC Line Conducted Data with CDD 11n Ch.6 (N, with AC/DC Adapter)



Plot 7-711. 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
0.164	FINAL	48.2	—	65.28	-17.06	L1	GND
0.166	FINAL	—	35.44	55.17	-19.73	L1	GND
0.245	FINAL	45.1	—	61.94	-16.87	L1	GND
0.247	FINAL	—	30.51	51.87	-21.36	L1	GND
0.650	FINAL	—	20.94	46.00	-25.06	L1	GND
0.650	FINAL	35.6	—	56.00	-20.37	L1	GND
1.300	FINAL	32.5	—	56.00	-23.48	L1	GND
1.302	FINAL	—	16.72	46.00	-29.28	L1	GND
4.295	FINAL	33.3	—	56.00	-22.74	L1	GND
4.315	FINAL	—	17.70	46.00	-28.30	L1	GND
16.271	FINAL	—	11.01	50.00	-38.99	L1	GND
16.271	FINAL	16.2	—	60.00	-43.85	L1	GND

Table 7-72. AC Line Conducted Data with CDD 11ax - SU Ch.6 (L1, with AC/DC Adapter)



Plot 7-712. 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
0.164	FINAL	47.0	—	65.28	-18.28	N	GND
0.166	FINAL	—	33.98	55.17	-21.19	N	GND
0.245	FINAL	44.3	—	61.94	-17.60	N	GND
0.247	FINAL	—	29.69	51.87	-22.18	N	GND
0.650	FINAL	38.0	—	56.00	-17.96	N	GND
0.652	FINAL	—	22.56	46.00	-23.44	N	GND
1.300	FINAL	34.2	—	56.00	-21.80	N	GND
1.318	FINAL	—	17.51	46.00	-28.49	N	GND
1.977	FINAL	—	14.94	46.00	-31.06	N	GND
1.982	FINAL	27.0	—	56.00	-29.00	N	GND
4.310	FINAL	35.5	—	56.00	-20.53	N	GND
4.448	FINAL	—	21.22	46.00	-24.78	N	GND

Table 7-73. 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: BCGA2898, IC: 579C-A2898** 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.