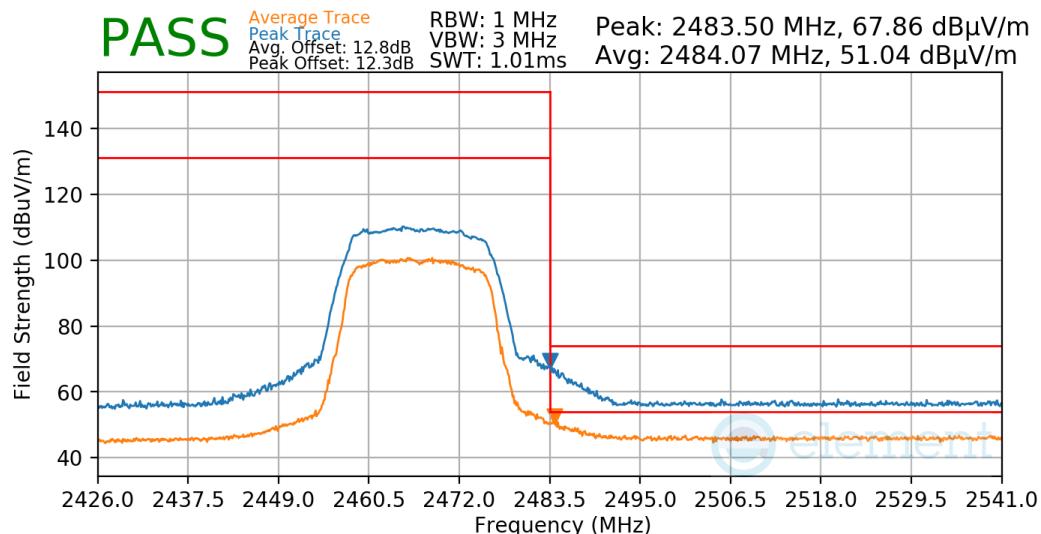
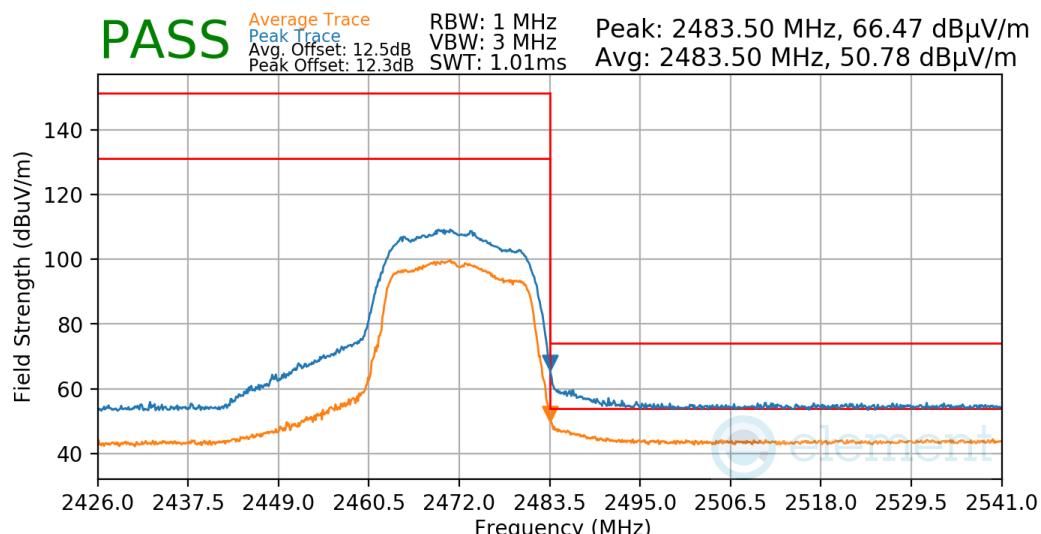


Mode: 802.11n
 Data Rate: MCS13
 Distance of Measurements: 3 Meters
 Operating Frequency: 2467MHz
 Channel: 12



Plot 7-665. Radiated Restricted Upper Band Edge Measurement CDD

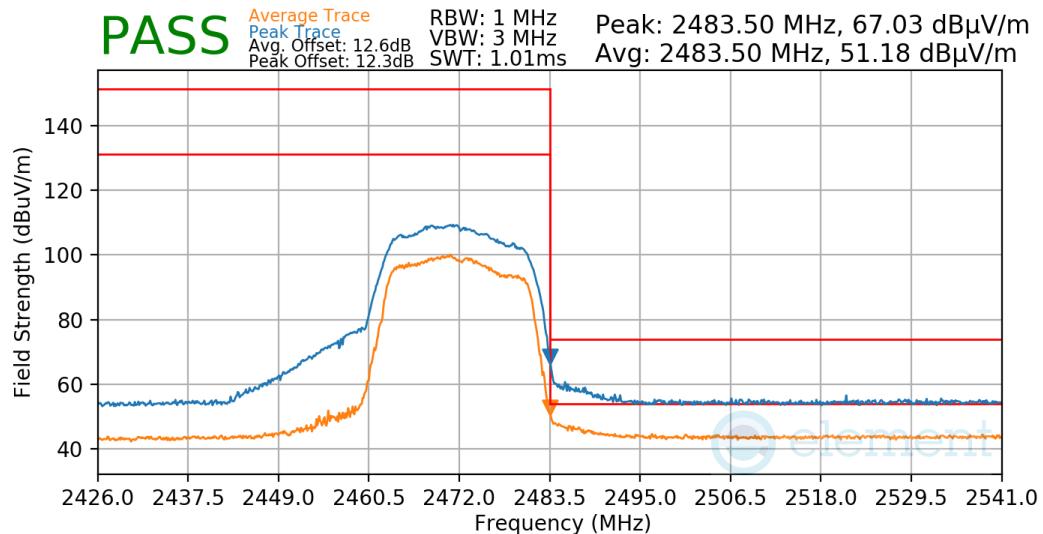
Mode: 802.11n
 Data Rate: MCS10
 Distance of Measurements: 3 Meters
 Operating Frequency: 2472MHz
 Channel: 13



Plot 7-666. Radiated Restricted Upper Band Edge Measurement CDD

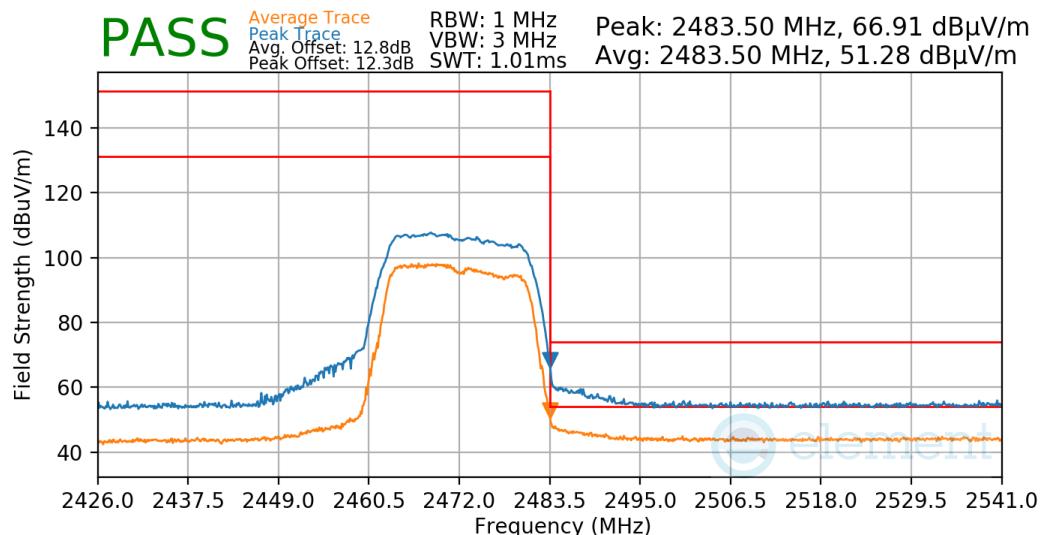
| | | | |
|---|---|---------------------------------------|--------------------------------------|
| FCC ID: BCG2764 IC: 579C-A2764 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-11.BCG | Test Dates: 07/21/2022-9/12/2022 | EUT Type: Tablet Device | Page 398 of 429 V 10.5 12/15/2021 |

Mode: 802.11n
 Data Rate: MCS11
 Distance of Measurements: 3 Meters
 Operating Frequency: 2472MHz
 Channel: 13



Plot 7-667. Radiated Restricted Upper Band Edge Measurement CDD

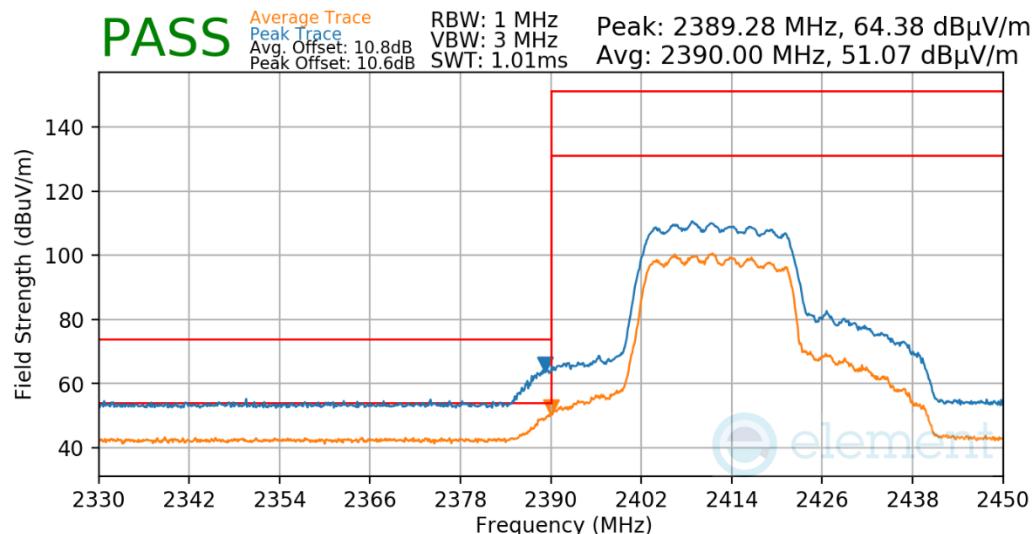
Mode: 802.11n
 Data Rate: MCS13
 Distance of Measurements: 3 Meters
 Operating Frequency: 2472MHz
 Channel: 13



Plot 7-668. Radiated Restricted Upper Band Edge Measurement CDD

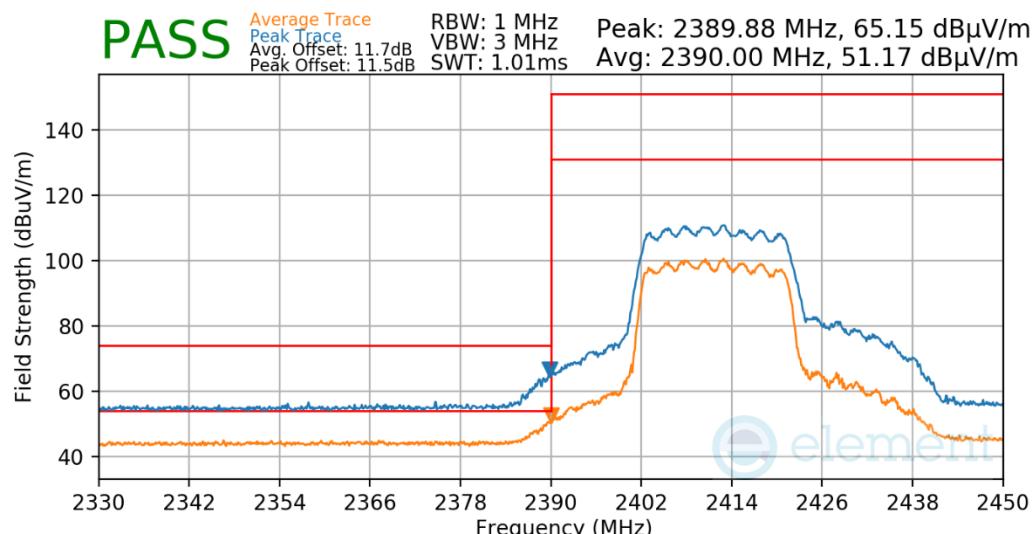
| | | | |
|---|---|---------------------------------------|--------------------------------------|
| FCC ID: BCG2764 IC: 579C-A2764 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-11.BCG | Test Dates: 07/21/2022-9/12/2022 | EUT Type: Tablet Device | Page 399 of 429 V 10.5 12/15/2021 |

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



Plot 7-669. Radiated Restricted Lower Band Edge Measurement CDD

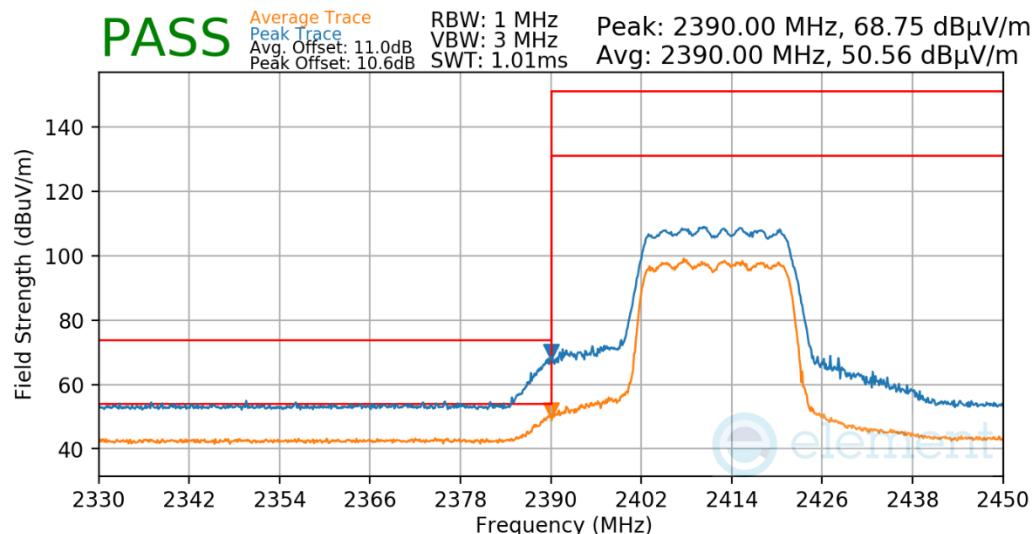
Mode: 802.11ax - SU
 Data Rate: MCS3
 Distance of Measurements: 3 Meters
 Operating Frequency: 2412MHz
 Channel: 1



Plot 7-670. Radiated Restricted Lower Band Edge Measurement CDD

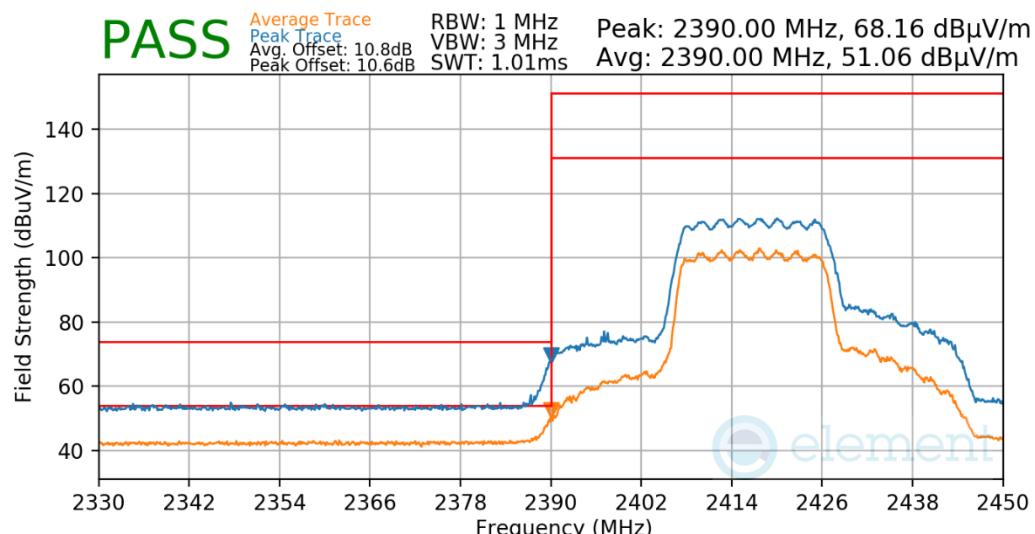
| | | | |
|---|---|---------------------------------------|--------------------------------------|
| FCC ID: BCG2764 IC: 579C-A2764 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-11.BCG | Test Dates: 07/21/2022-9/12/2022 | EUT Type: Tablet Device | Page 400 of 429 V 10.5 12/15/2021 |

Mode: 802.11ax - SU
 Data Rate: MCS5
 Distance of Measurements: 3 Meters
 Operating Frequency: 2412MHz
 Channel: 1



Plot 7-671. Radiated Restricted Lower Band Edge Measurement CDD

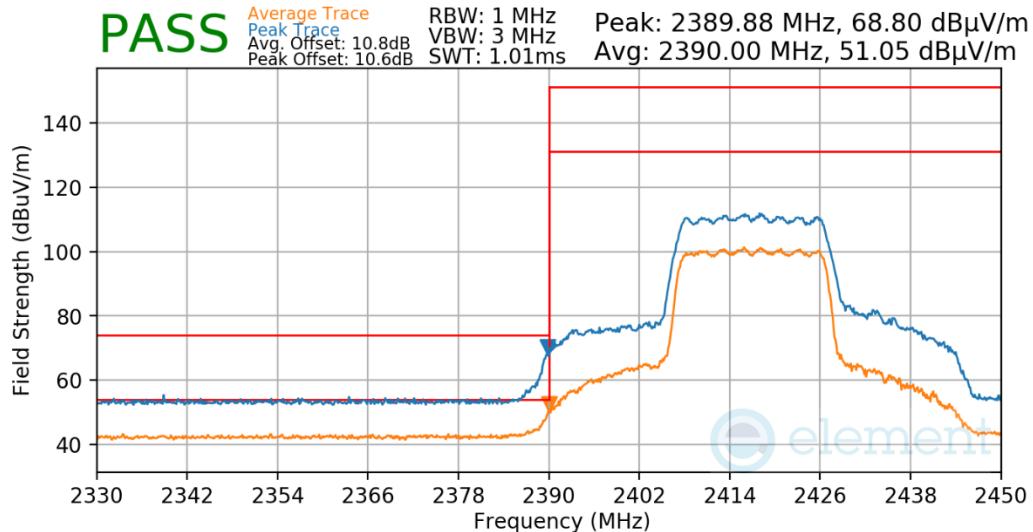
Mode: 802.11ax - SU
 Data Rate: MCS2
 Distance of Measurements: 3 Meters
 Operating Frequency: 2417MHz
 Channel: 2



Plot 7-672. Radiated Restricted Lower Band Edge Measurement CDD

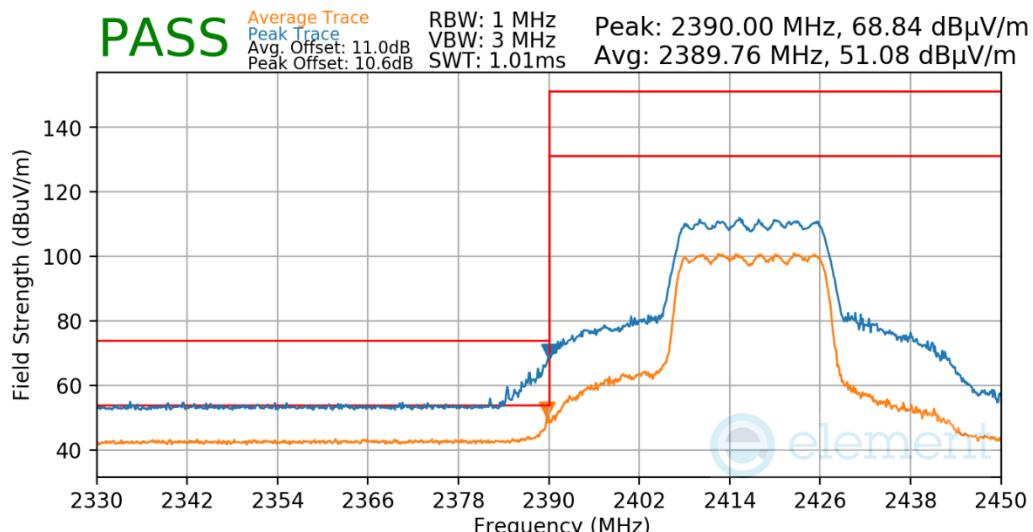
| | | | |
|---|---|---------------------------------------|--------------------------------------|
| FCC ID: BCG2764 IC: 579C-A2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-11.BCG | Test Dates: 07/21/2022-9/12/2022 | EUT Type: Tablet Device | Page 401 of 429 V 10.5 12/15/2021 |

Mode: 802.11ax - SU
 Data Rate: MCS3
 Distance of Measurements: 3 Meters
 Operating Frequency: 2417MHz
 Channel: 2



Plot 7-673. Radiated Restricted Lower Band Edge Measurement CDD

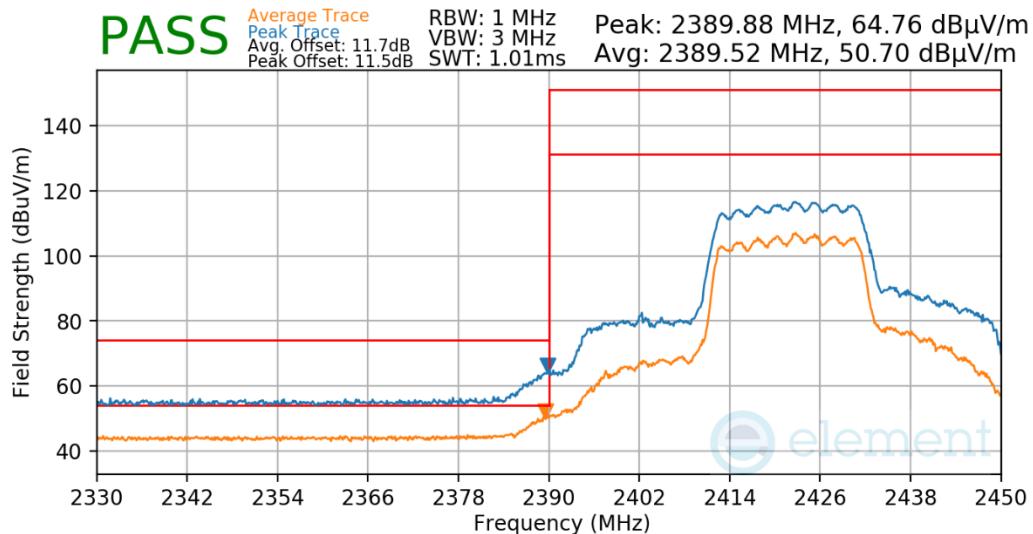
Mode: 802.11ax - SU
 Data Rate: MCS5
 Distance of Measurements: 3 Meters
 Operating Frequency: 2417MHz
 Channel: 2



Plot 7-674. Radiated Restricted Lower Band Edge Measurement CDD

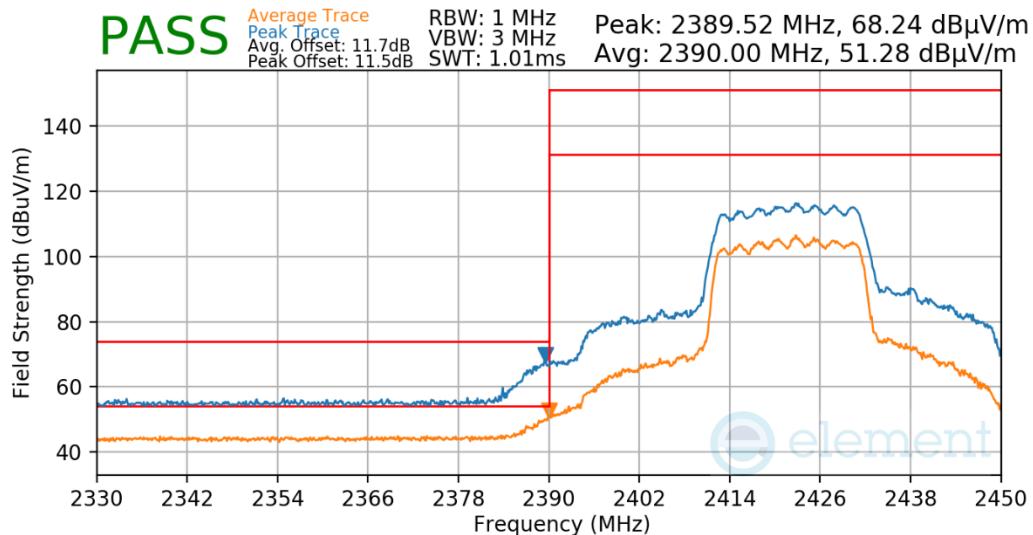
| | | | |
|---|---|---------------------------------------|--------------------------------------|
| FCC ID: BCG2764 IC: 579C-A2764 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-11.BCG | Test Dates: 07/21/2022-9/12/2022 | EUT Type: Tablet Device | Page 402 of 429 V 10.5 12/15/2021 |

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



Plot 7-675. Radiated Restricted Lower Band Edge Measurement CDD

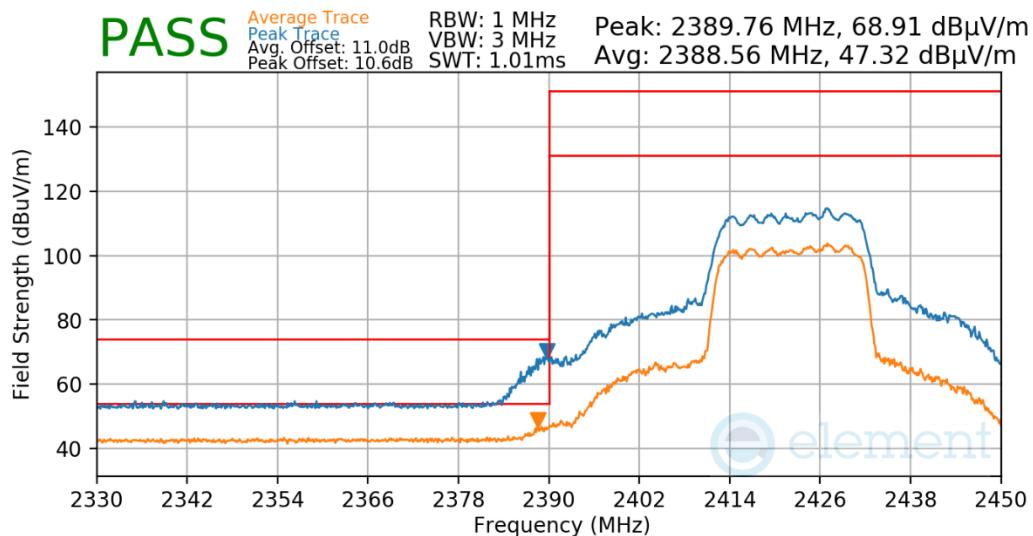
Mode: 802.11ax - SU
 Data Rate: MCS3
 Distance of Measurements: 3 Meters
 Operating Frequency: 2422MHz
 Channel: 3



Plot 7-676. Radiated Restricted Lower Band Edge Measurement CDD

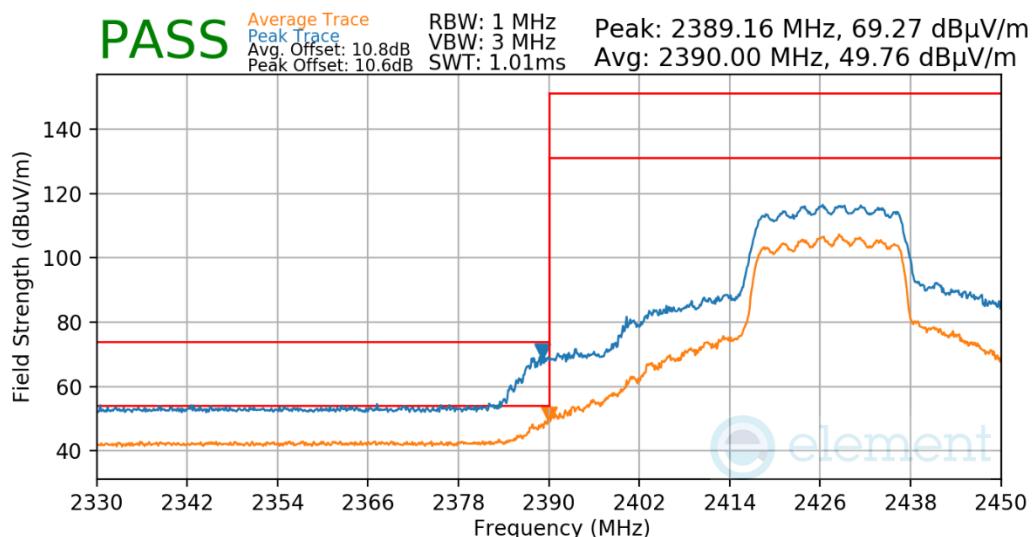
| | | | |
|---|---|---------------------------------------|--------------------------------------|
| FCC ID: BCG2764 IC: 579C-A2764 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-11.BCG | Test Dates: 07/21/2022-9/12/2022 | EUT Type: Tablet Device | Page 403 of 429 V 10.5 12/15/2021 |

Mode: 802.11ax - SU
 Data Rate: MCS5
 Distance of Measurements: 3 Meters
 Operating Frequency: 2422MHz
 Channel: 3



Plot 7-677. Radiated Restricted Lower Band Edge Measurement CDD

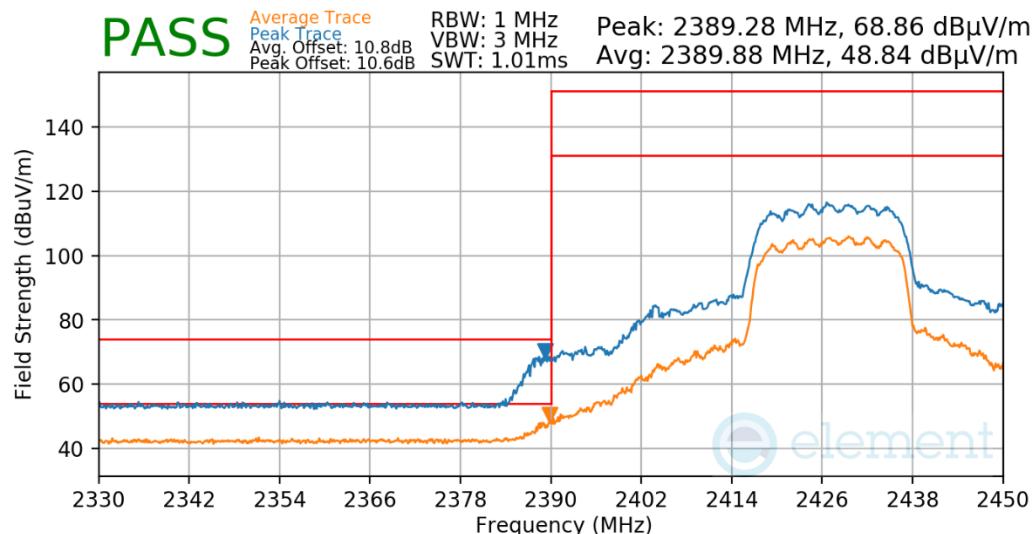
Mode: 802.11ax - SU
 Data Rate: MCS2
 Distance of Measurements: 3 Meters
 Operating Frequency: 2427MHz
 Channel: 4



Plot 7-678. Radiated Restricted Lower Band Edge Measurement CDD

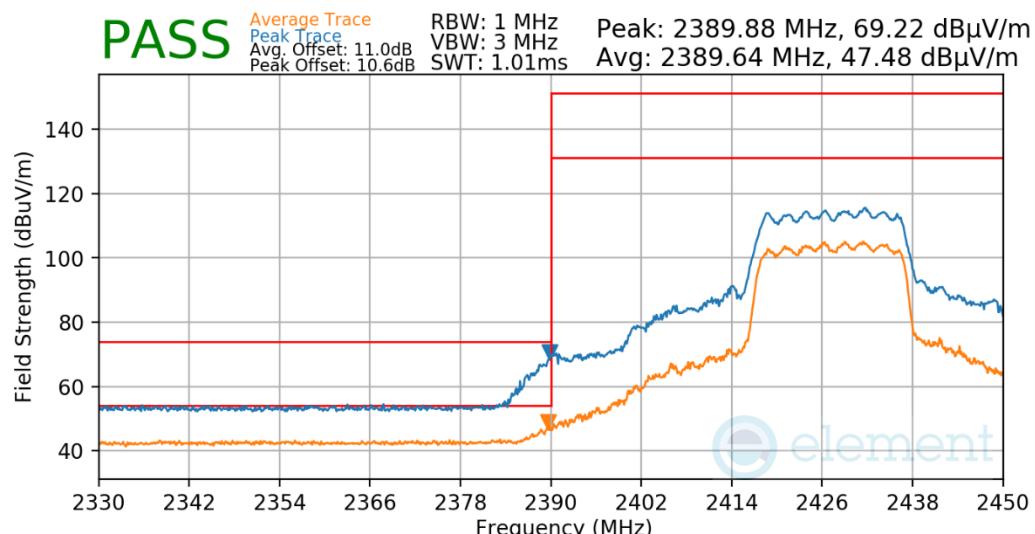
| | | | |
|---|---|---------------------------------------|--------------------------------------|
| FCC ID: BCG2764 IC: 579C-A2764 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-11.BCG | Test Dates: 07/21/2022-9/12/2022 | EUT Type: Tablet Device | Page 404 of 429 V 10.5 12/15/2021 |

Mode: 802.11ax - SU
 Data Rate: MCS3
 Distance of Measurements: 3 Meters
 Operating Frequency: 2427MHz
 Channel: 4



Plot 7-679. Radiated Restricted Lower Band Edge Measurement CDD

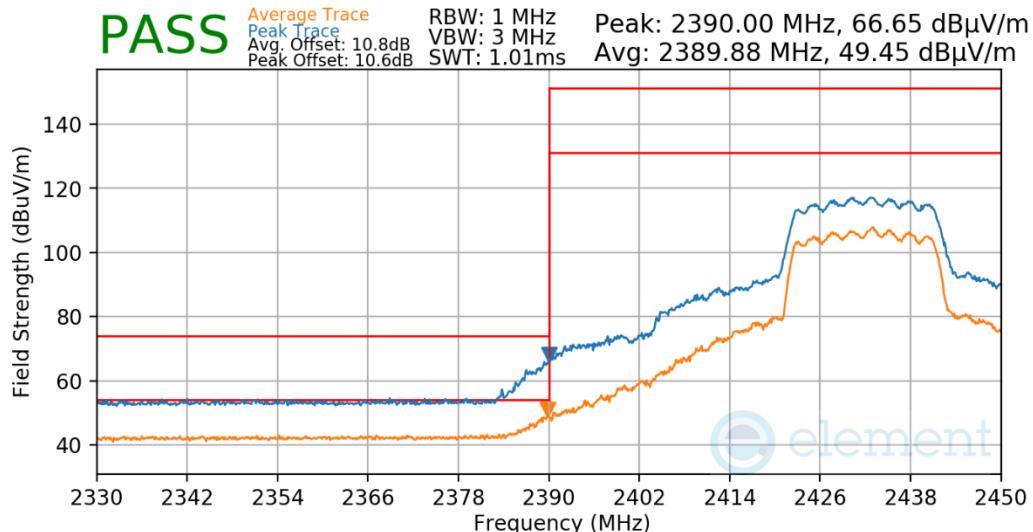
Mode: 802.11ax - SU
 Data Rate: MCS5
 Distance of Measurements: 3 Meters
 Operating Frequency: 2427MHz
 Channel: 4



Plot 7-680. Radiated Restricted Lower Band Edge Measurement CDD

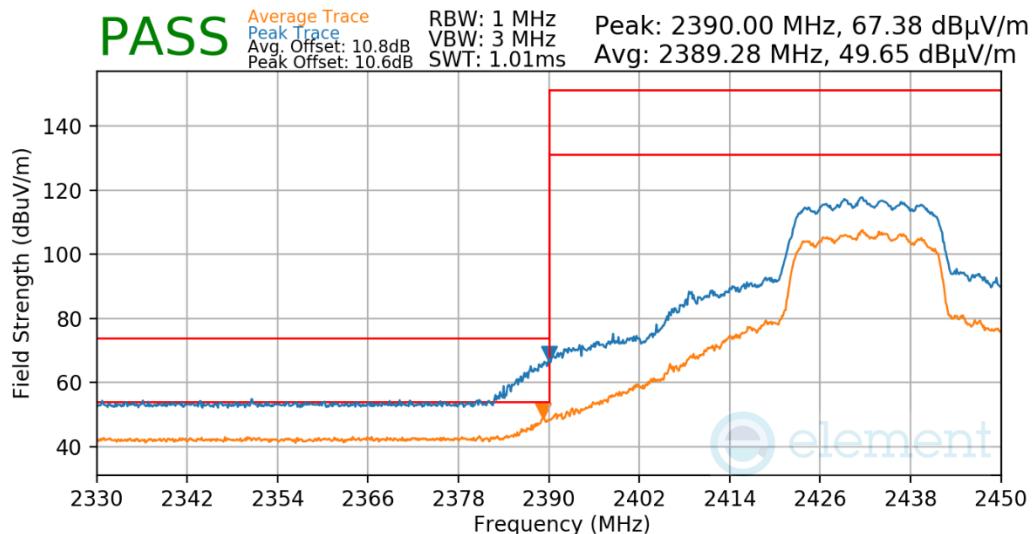
| | | | |
|---|---|---------------------------------------|--------------------------------------|
| FCC ID: BCG2764 IC: 579C-A2764 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-11.BCG | Test Dates: 07/21/2022-9/12/2022 | EUT Type: Tablet Device | Page 405 of 429 V 10.5 12/15/2021 |

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



Plot 7-681. Radiated Restricted Lower Band Edge Measurement CDD

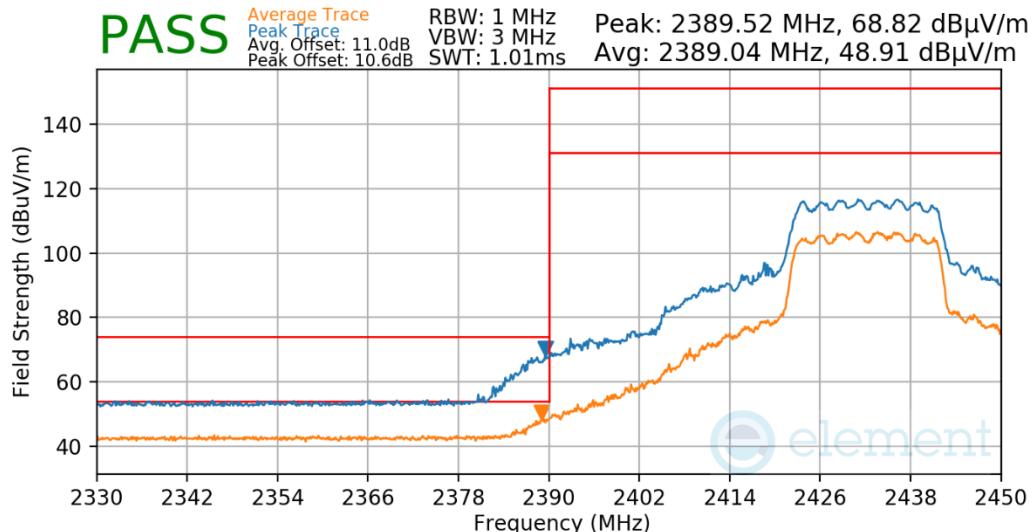
Mode: 802.11ax - SU
 Data Rate: MCS3
 Distance of Measurements: 3 Meters
 Operating Frequency: 2432MHz
 Channel: 5



Plot 7-682. Radiated Restricted Lower Band Edge Measurement CDD

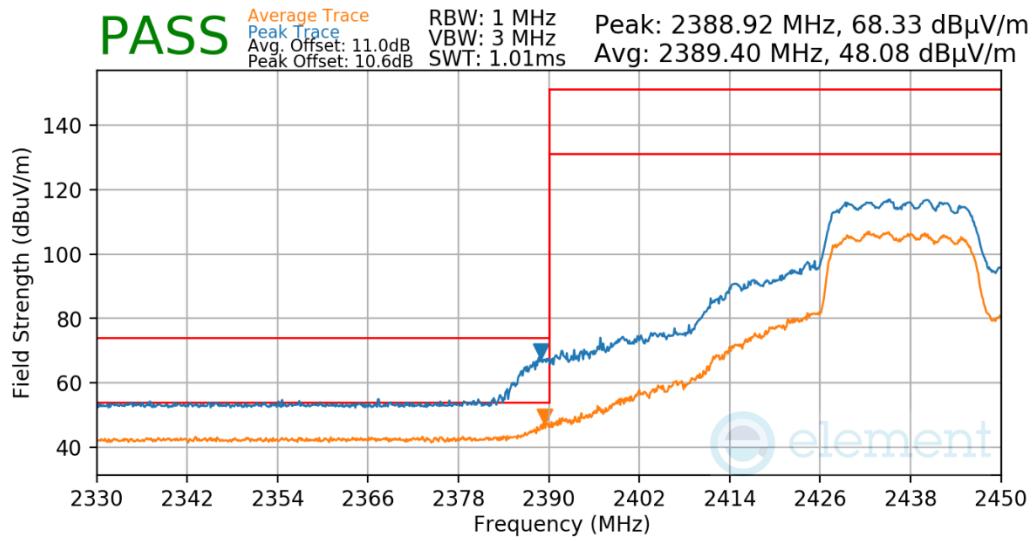
| | | | |
|---|---|---------------------------------------|-----------------------------------|
| FCC ID: BCG2764 IC: 579C-A2764 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-11.BCG | Test Dates: 07/21/2022-9/12/2022 | EUT Type: Tablet Device | Page 406 of 429 |

Mode: 802.11ax - SU
 Data Rate: MCS5
 Distance of Measurements: 3 Meters
 Operating Frequency: 2432MHz
 Channel: 5



Plot 7-683. Radiated Restricted Lower Band Edge Measurement CDD

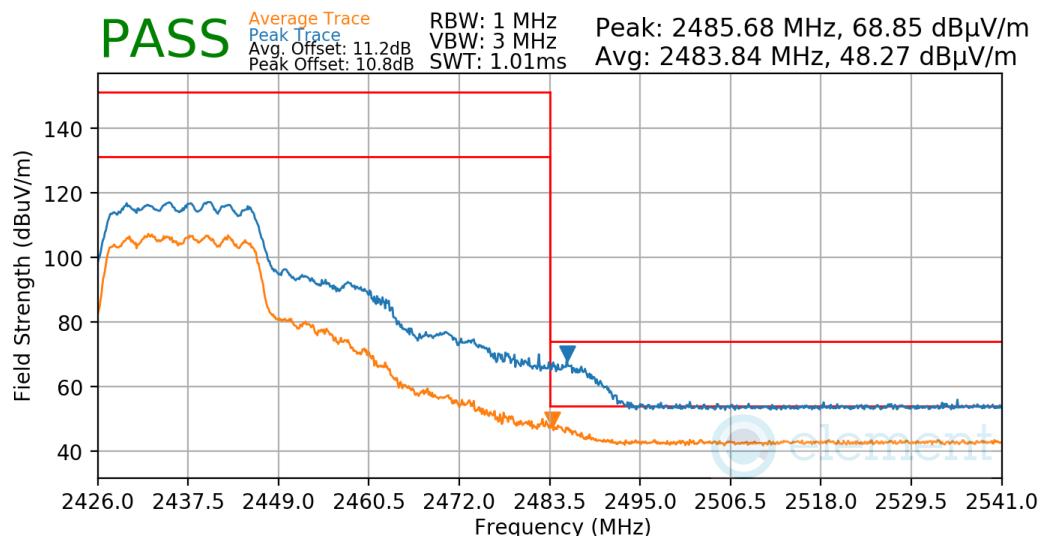
Mode: 802.11ax - SU
 Data Rate: MCS5
 Distance of Measurements: 3 Meters
 Operating Frequency: 2437MHz
 Channel: 6 (low)



Plot 7-684. Radiated Restricted Lower Band Edge Measurement CDD

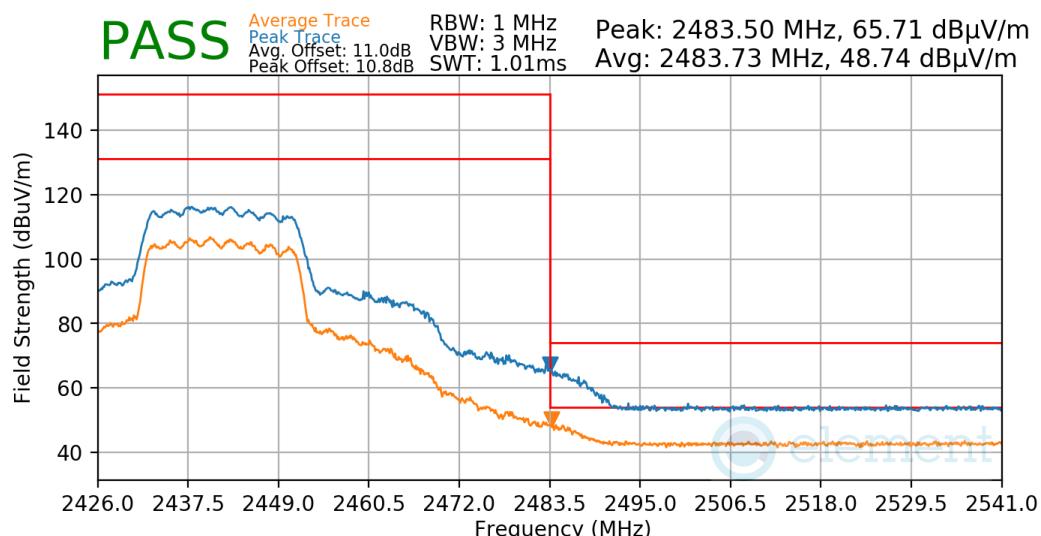
| | | | |
|---|---|---------------------------------------|--------------------------------------|
| FCC ID: BCG2764 IC: 579C-A2764 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-11.BCG | Test Dates: 07/21/2022-9/12/2022 | EUT Type: Tablet Device | Page 407 of 429 V 10.5 12/15/2021 |

Mode: 802.11ax - SU
 Data Rate: MCS5
 Distance of Measurements: 3 Meters
 Operating Frequency: 2437MHz
 Channel: 6 (high)



Plot 7-685. Radiated Restricted Upper Band Edge Measurement CDD

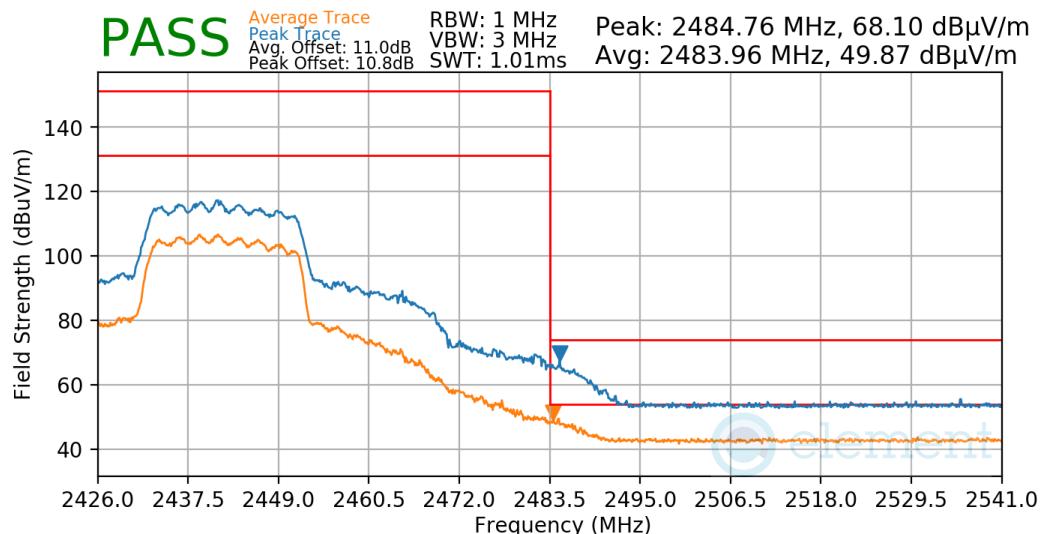
Mode: 802.11ax - SU
 Data Rate: MCS2
 Distance of Measurements: 3 Meters
 Operating Frequency: 2442MHz
 Channel: 7



Plot 7-686. Radiated Restricted Upper Band Edge Measurement CDD

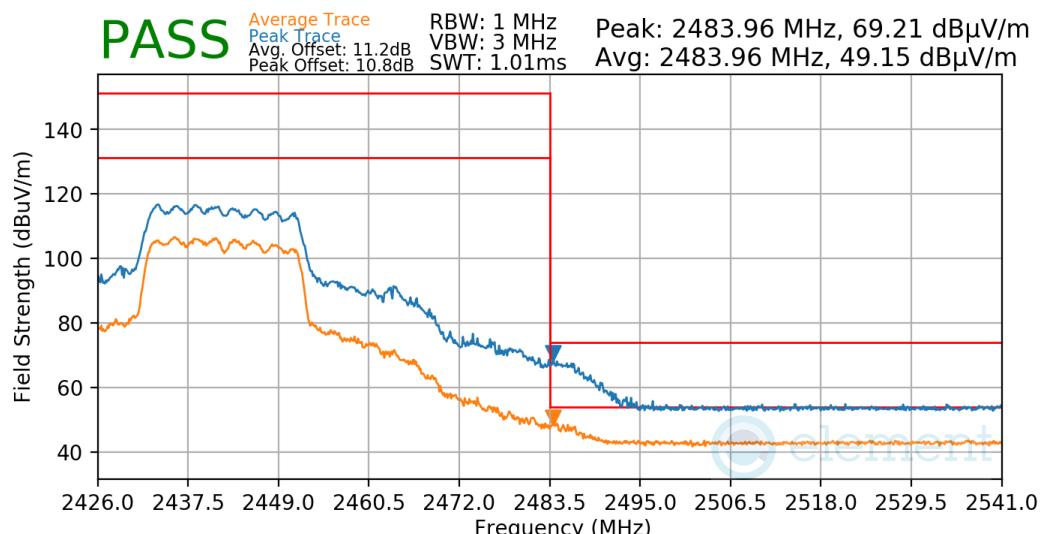
| | | | |
|---|--|---------------------------------------|--------------------------------------|
| FCC ID: BCG2764 IC: 579C-A2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-11.BCG | Test Dates: 07/21/2022-9/12/2022 | EUT Type: Tablet Device | Page 408 of 429 V 10.5 12/15/2021 |

Mode: 802.11ax - SU
 Data Rate: MCS3
 Distance of Measurements: 3 Meters
 Operating Frequency: 2442MHz
 Channel: 7



Plot 7-687. Radiated Restricted Upper Band Edge Measurement CDD

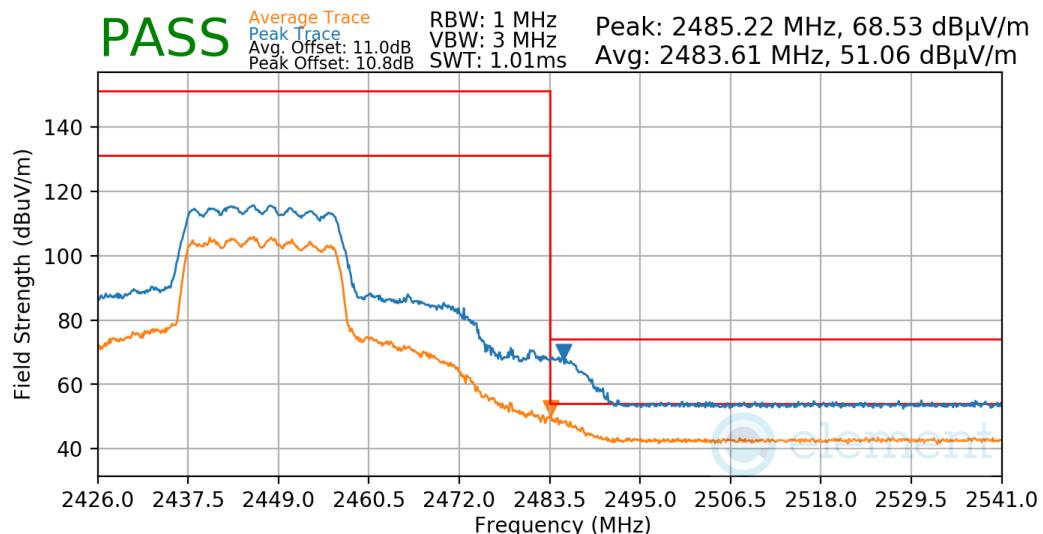
Mode: 802.11ax - SU
 Data Rate: MCS5
 Distance of Measurements: 3 Meters
 Operating Frequency: 2442MHz
 Channel: 7



Plot 7-688. Radiated Restricted Upper Band Edge Measurement CDD

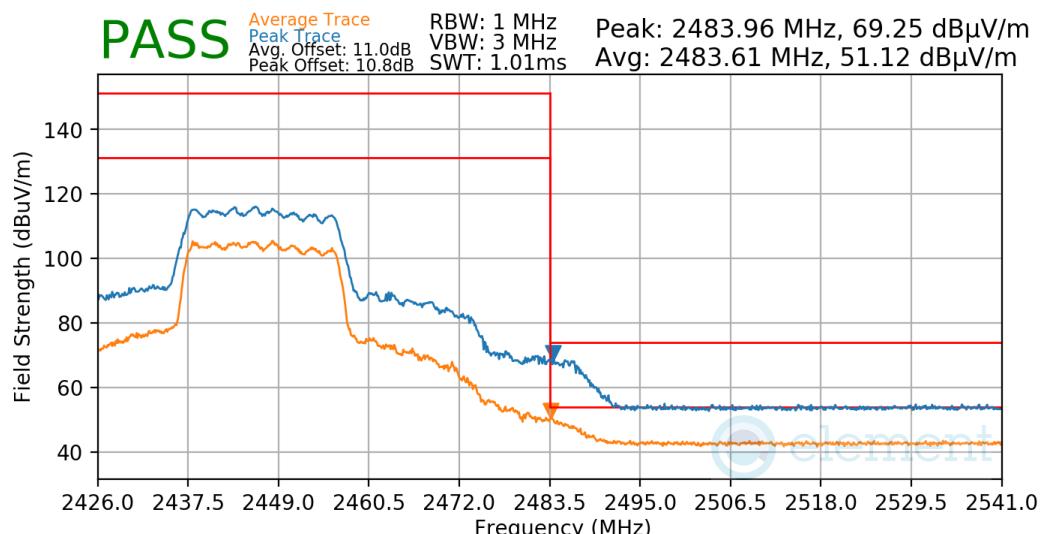
| | | | |
|---|---|---------------------------------------|--------------------------------------|
| FCC ID: BCG2764 IC: 579C-A2764 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-11.BCG | Test Dates: 07/21/2022-9/12/2022 | EUT Type: Tablet Device | Page 409 of 429 V 10.5 12/15/2021 |

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



Plot 7-689. Radiated Restricted Upper Band Edge Measurement CDD

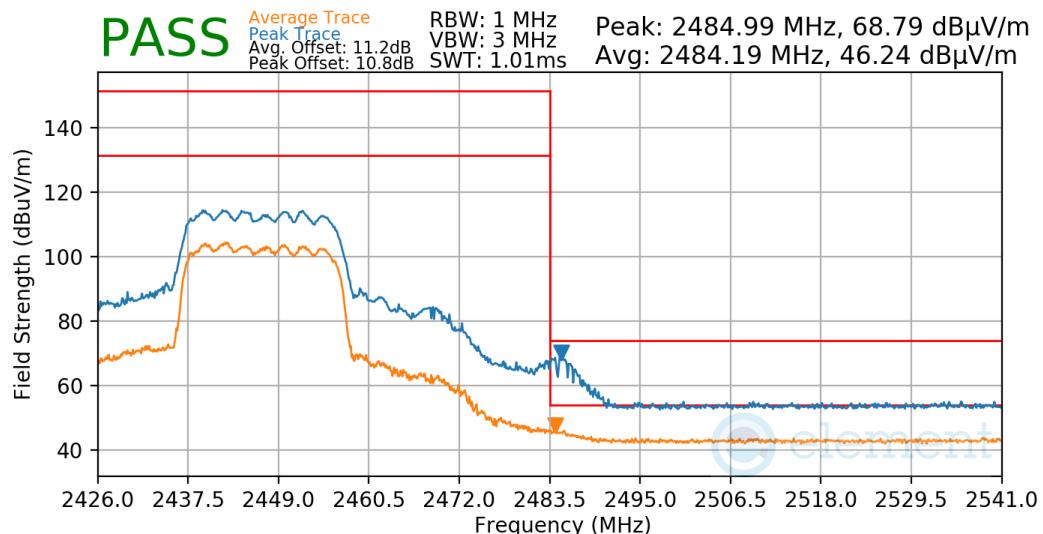
Mode: 802.11ax - SU
 Data Rate: MCS3
 Distance of Measurements: 3 Meters
 Operating Frequency: 2447MHz
 Channel: 8



Plot 7-690. Radiated Restricted Upper Band Edge Measurement CDD

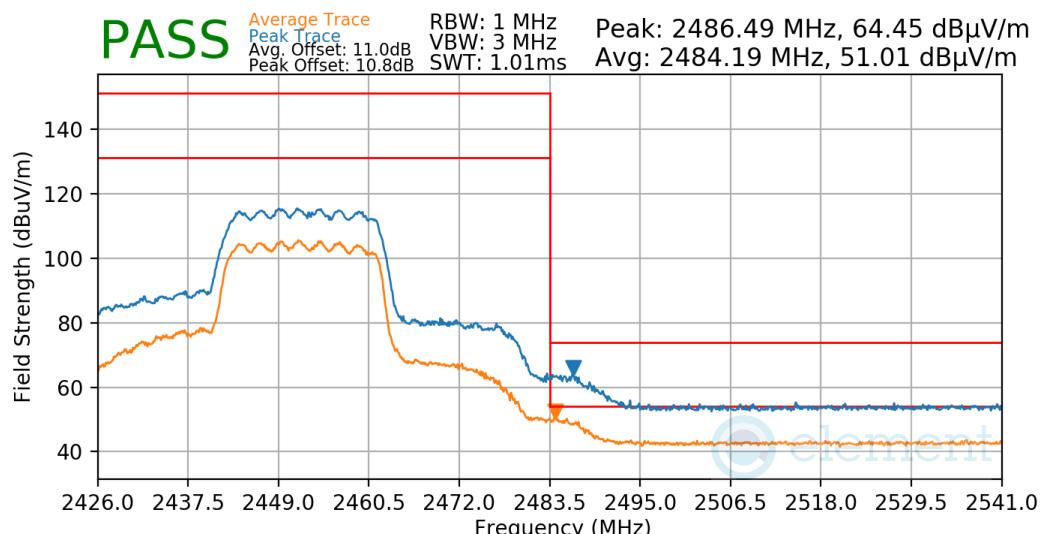
| | | | |
|---|--|---------------------------------------|--------------------------------------|
| FCC ID: BCG2764 IC: 579C-A2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-11.BCG | Test Dates: 07/21/2022-9/12/2022 | EUT Type: Tablet Device | Page 410 of 429 V 10.5 12/15/2021 |

Mode: 802.11ax - SU
 Data Rate: MCS5
 Distance of Measurements: 3 Meters
 Operating Frequency: 2447MHz
 Channel: 8



Plot 7-691. Radiated Restricted Upper Band Edge Measurement CDD

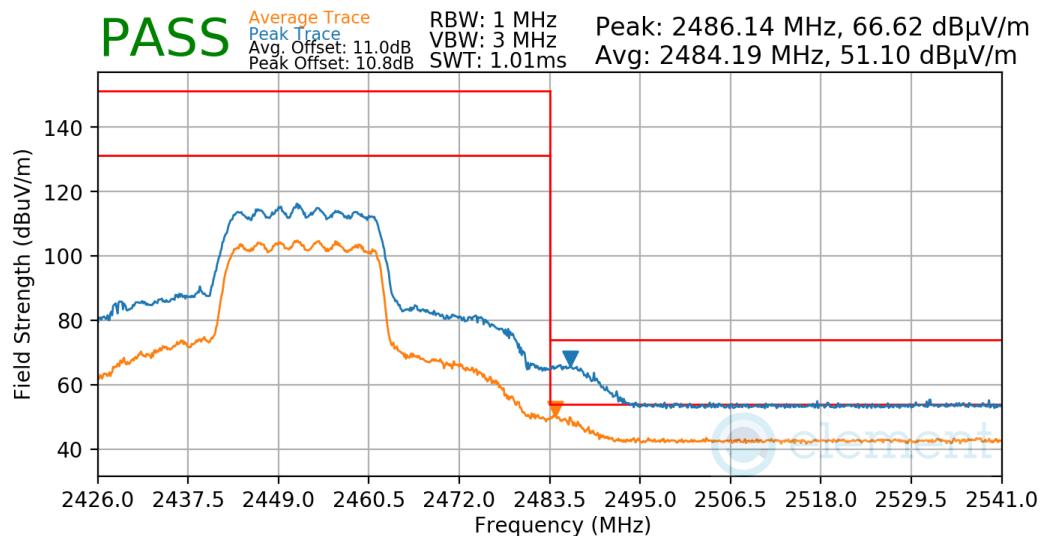
Mode: 802.11ax - SU
 Data Rate: MCS2
 Distance of Measurements: 3 Meters
 Operating Frequency: 2452MHz
 Channel: 9



Plot 7-692. Radiated Restricted Upper Band Edge Measurement CDD

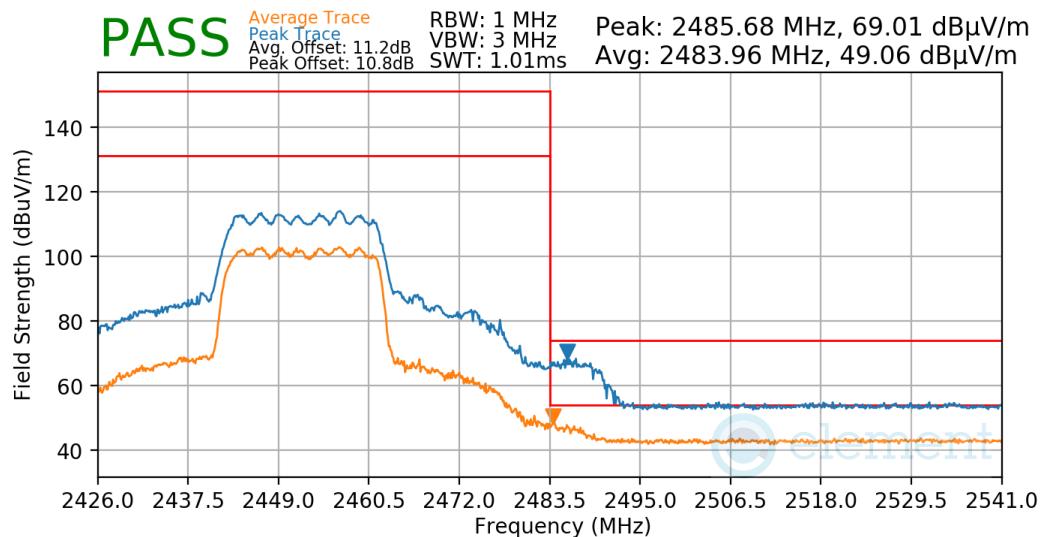
| | | | |
|---|---|---------------------------------------|--------------------------------------|
| FCC ID: BCG2764 IC: 579C-A2764 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-11.BCG | Test Dates: 07/21/2022-9/12/2022 | EUT Type: Tablet Device | Page 411 of 429 V 10.5 12/15/2021 |

Mode: 802.11ax - SU
 Data Rate: MCS3
 Distance of Measurements: 3 Meters
 Operating Frequency: 2452MHz
 Channel: 9



Plot 7-693. Radiated Restricted Upper Band Edge Measurement CDD

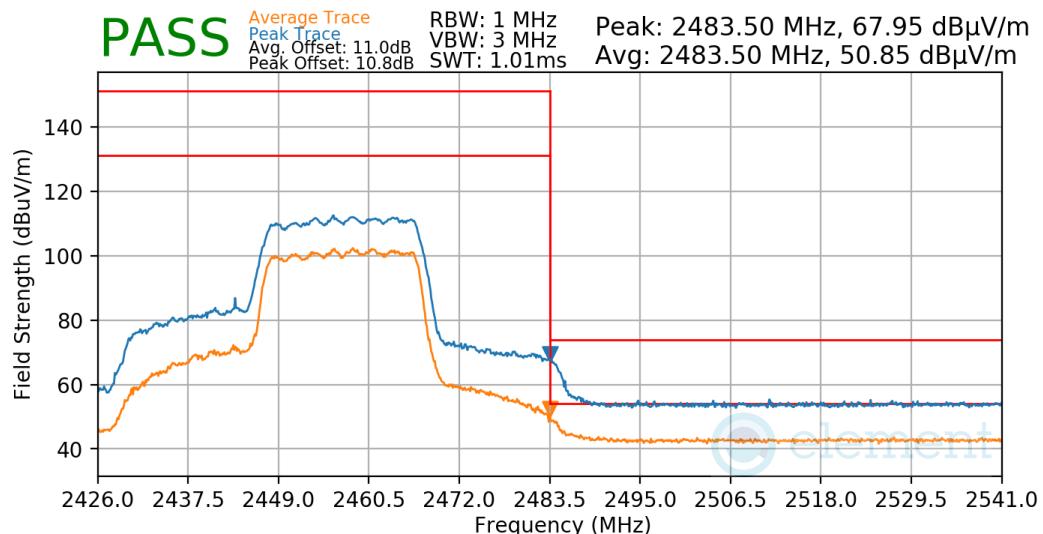
Mode: 802.11ax - SU
 Data Rate: MCS5
 Distance of Measurements: 3 Meters
 Operating Frequency: 2452MHz
 Channel: 9



Plot 7-694. Radiated Restricted Upper Band Edge Measurement CDD

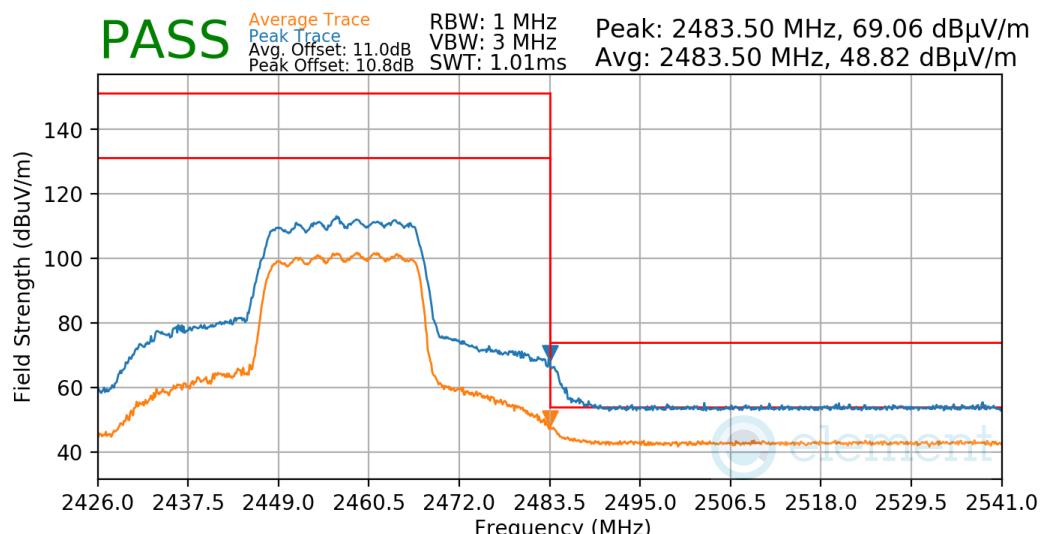
| | | | |
|---|---|---------------------------------------|--------------------------------------|
| FCC ID: BCG2764 IC: 579C-A2764 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-11.BCG | Test Dates: 07/21/2022-9/12/2022 | EUT Type: Tablet Device | Page 412 of 429 V 10.5 12/15/2021 |

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



Plot 7-695. Radiated Restricted Upper Band Edge Measurement CDD

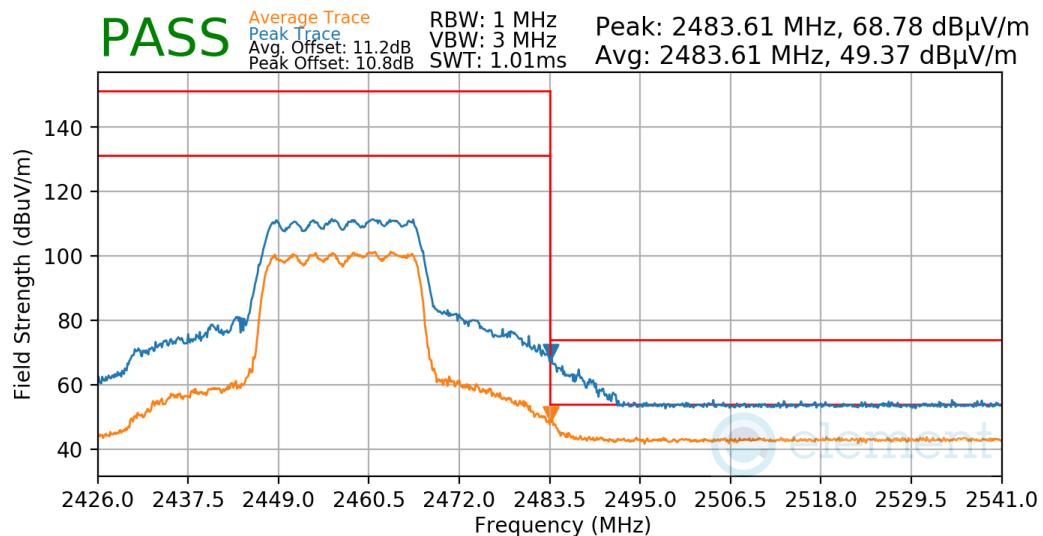
Mode: 802.11ax - SU
 Data Rate: MCS3
 Distance of Measurements: 3 Meters
 Operating Frequency: 2457MHz
 Channel: 10



Plot 7-696. Radiated Restricted Upper Band Edge Measurement CDD

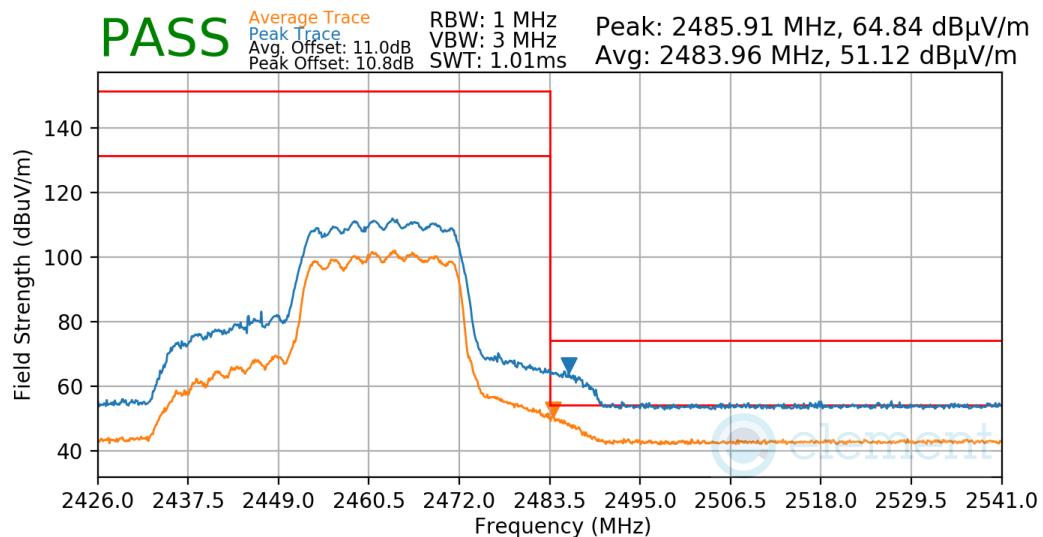
| | | | |
|---|---|---------------------------------------|--------------------------------------|
| FCC ID: BCG2764 IC: 579C-A2764 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-11.BCG | Test Dates: 07/21/2022-9/12/2022 | EUT Type: Tablet Device | Page 413 of 429 V 10.5 12/15/2021 |

Mode: 802.11ax - SU
 Data Rate: MCS5
 Distance of Measurements: 3 Meters
 Operating Frequency: 2457MHz
 Channel: 10



Plot 7-697. Radiated Restricted Upper Band Edge Measurement CDD

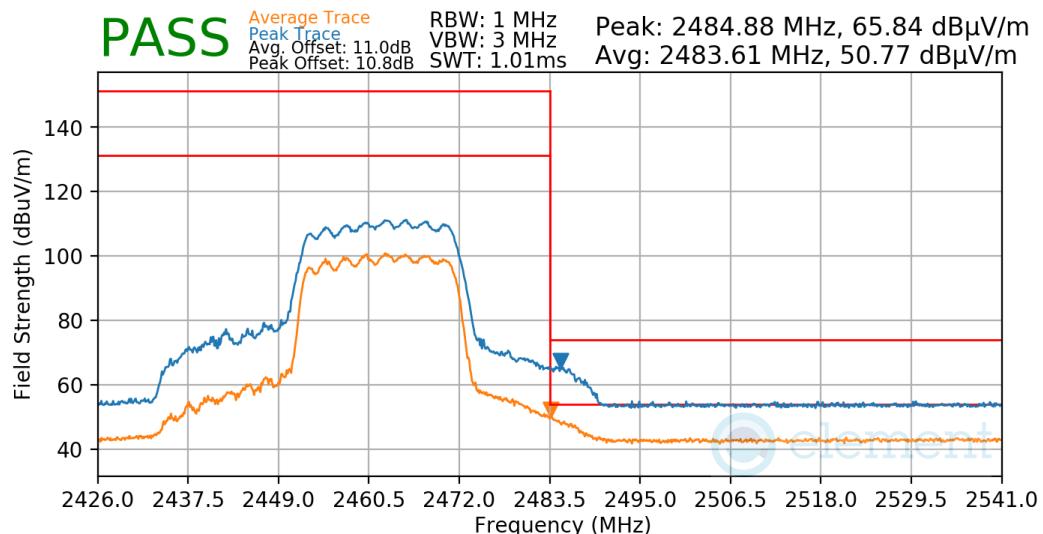
Mode: 802.11ax - SU
 Data Rate: MCS2
 Distance of Measurements: 3 Meters
 Operating Frequency: 2462MHz
 Channel: 11



Plot 7-698. Radiated Restricted Upper Band Edge Measurement CDD

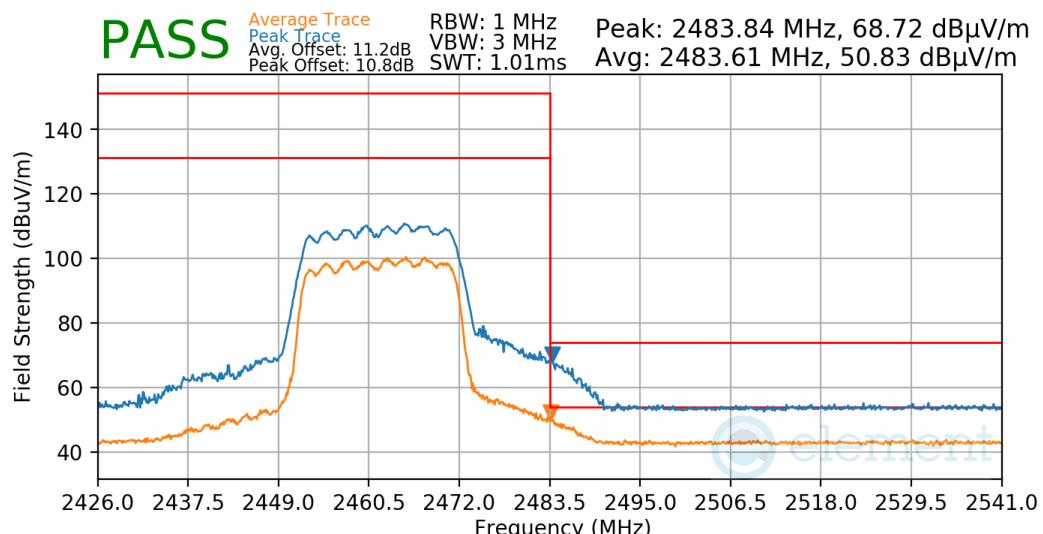
| | | | |
|---|---|---------------------------------------|--------------------------------------|
| FCC ID: BCG2764 IC: 579C-A2764 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-11.BCG | Test Dates: 07/21/2022-9/12/2022 | EUT Type: Tablet Device | Page 414 of 429 V 10.5 12/15/2021 |

Mode: 802.11ax - SU
 Data Rate: MCS3
 Distance of Measurements: 3 Meters
 Operating Frequency: 2462MHz
 Channel: 11



Plot 7-699. Radiated Restricted Upper Band Edge Measurement CDD

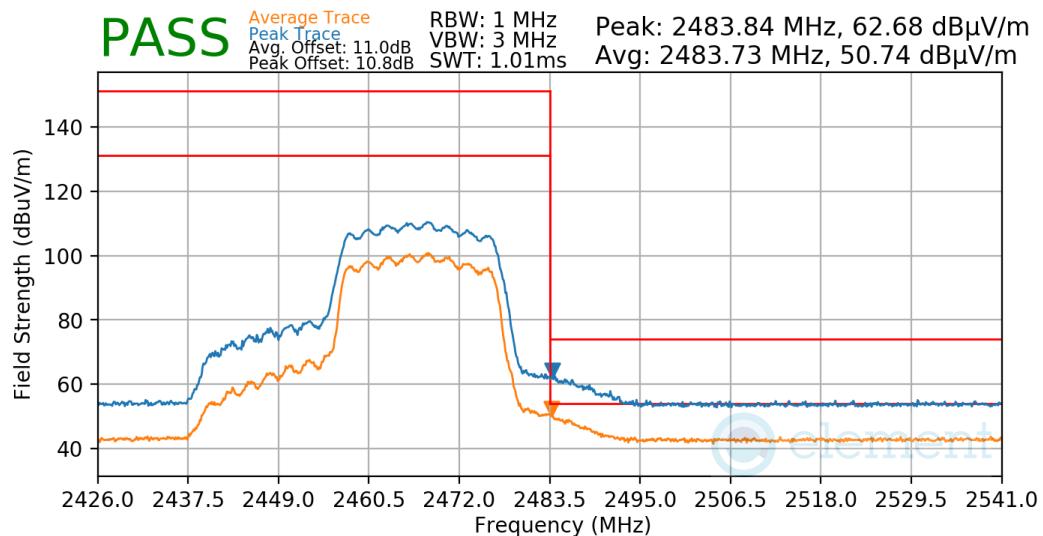
Mode: 802.11ax - SU
 Data Rate: MCS5
 Distance of Measurements: 3 Meters
 Operating Frequency: 2462MHz
 Channel: 11



Plot 7-700. Radiated Restricted Upper Band Edge Measurement CDD

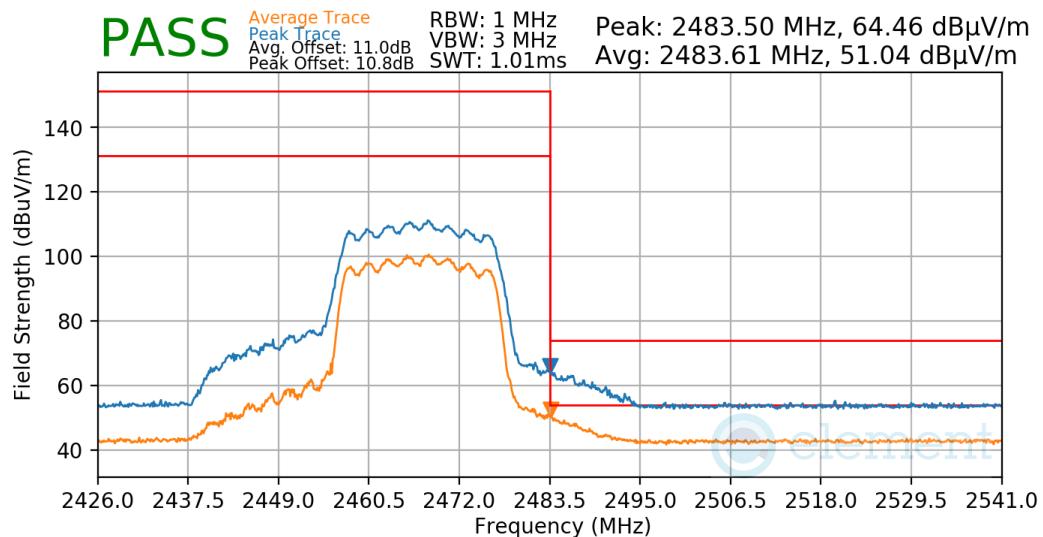
| | | | |
|---|---|---------------------------------------|--------------------------------------|
| FCC ID: BCG2764 IC: 579C-A2764 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-11.BCG | Test Dates: 07/21/2022-9/12/2022 | EUT Type: Tablet Device | Page 415 of 429 V 10.5 12/15/2021 |

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



Plot 7-701. Radiated Restricted Upper Band Edge Measurement CDD

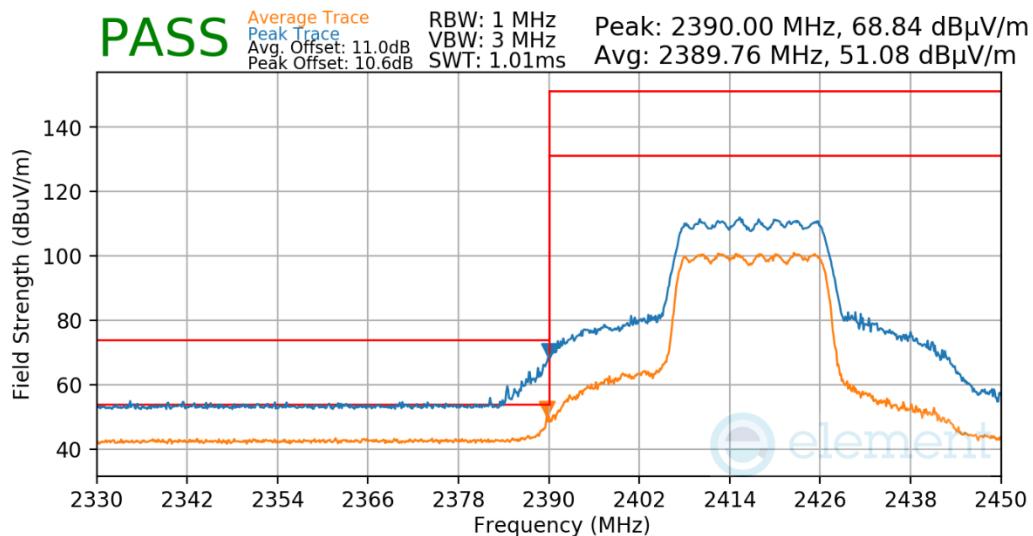
Mode: 802.11ax - SU
 Data Rate: MCS3
 Distance of Measurements: 3 Meters
 Operating Frequency: 2467MHz
 Channel: 12



Plot 7-702. Radiated Restricted Upper Band Edge Measurement CDD

| | | | |
|---|---|---------------------------------------|--------------------------------------|
| FCC ID: BCG2764 IC: 579C-A2764 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-11.BCG | Test Dates: 07/21/2022-9/12/2022 | EUT Type: Tablet Device | Page 416 of 429 V 10.5 12/15/2021 |

Mode: 802.11ax - SU
 Data Rate: MCS5
 Distance of Measurements: 3 Meters
 Operating Frequency: 2467MHz
 Channel: 12



Plot 7-703. Radiated Restricted Upper Band Edge Measurement CDD

| | | | |
|---|--|---------------------------------------|-----------------------------------|
| FCC ID: BCG2764 IC: 579C-A2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-11.BCG | Test Dates: 07/21/2022-9/12/2022 | EUT Type: Tablet Device | Page 417 of 429 |

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 [μ V/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

| | | | |
|---|---|---------------------------------------|-----------------------------------|
| FCC ID: BCG2764 IC: 579C-A2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-11.BCG | Test Dates: 07/21/2022-9/12/2022 | EUT Type: Tablet Device | Page 418 of 429 |

Test Setup

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

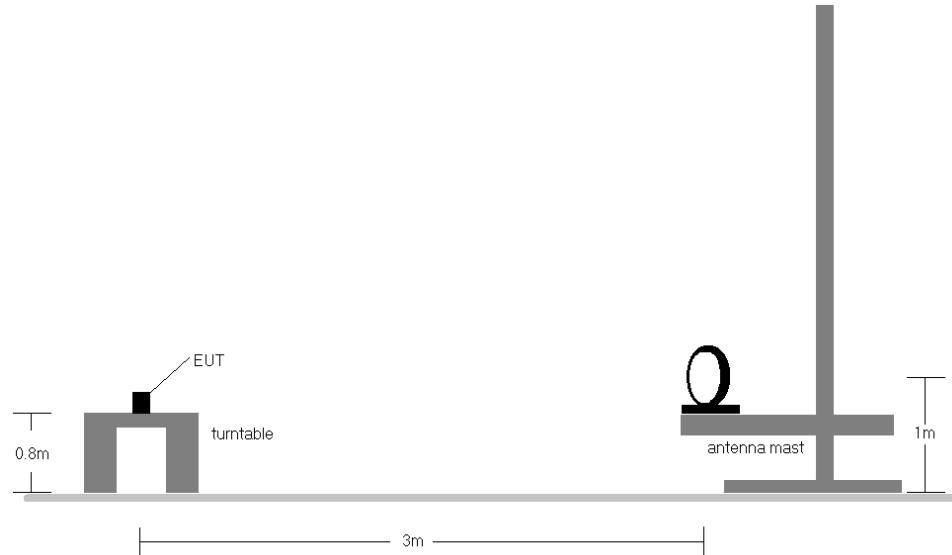


Figure 7-7. Radiated Test Setup < 30Mhz

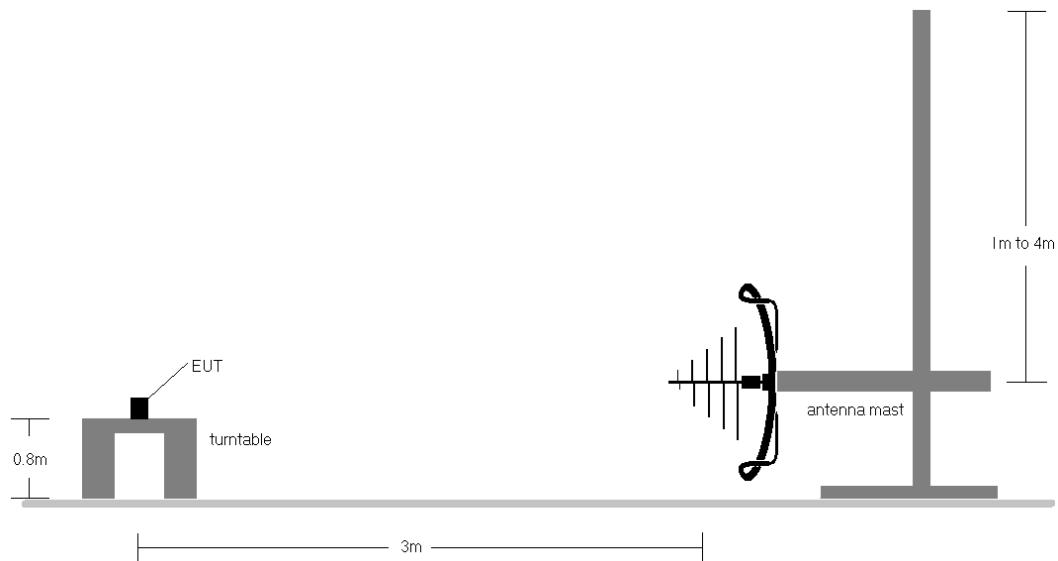


Figure 7-8. Radiated Test Setup < 1GHz

| | | | |
|---|--|---------------------------------------|-----------------------------------|
| FCC ID: BCG2764 IC: 579C-A2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-11.BCG | Test Dates: 07/21/2022-9/12/2022 | EUT Type: Tablet Device | Page 419 of 429 |

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 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

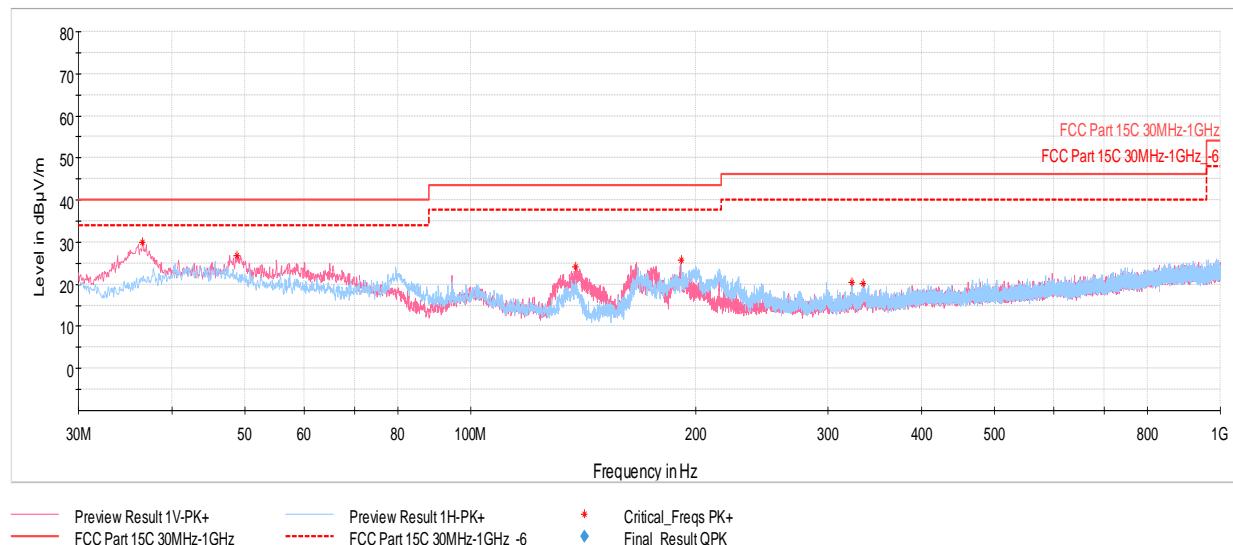
Determining Spurious Emissions Levels

- Field Strength Level $[\text{dB}_{\mu\text{V/m}}]$ = Analyzer Level $[\text{dBm}]$ + 107 + AFCL $[\text{dB}/\text{m}]$
- AFCL $[\text{dB}/\text{m}]$ = Antenna Factor $[\text{dB}/\text{m}]$ + Cable Loss $[\text{dB}]$ – Preamplifier Gain $[\text{dB}]$
- Margin $[\text{dB}]$ = Field Strength Level $[\text{dB}_{\mu\text{V/m}}]$ – Limit $[\text{dB}_{\mu\text{V/m}}]$

| | | | |
|---|---|---------------------------------------|-----------------------------------|
| FCC ID: BCG2764 IC: 579C-A2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-11.BCG | Test Dates: 07/21/2022-9/12/2022 | EUT Type: Tablet Device | Page 420 of 429 |

CDD Radiated Spurious Emissions Measurements (Below 1GHz)

§15.209; RSS-Gen [8.9]

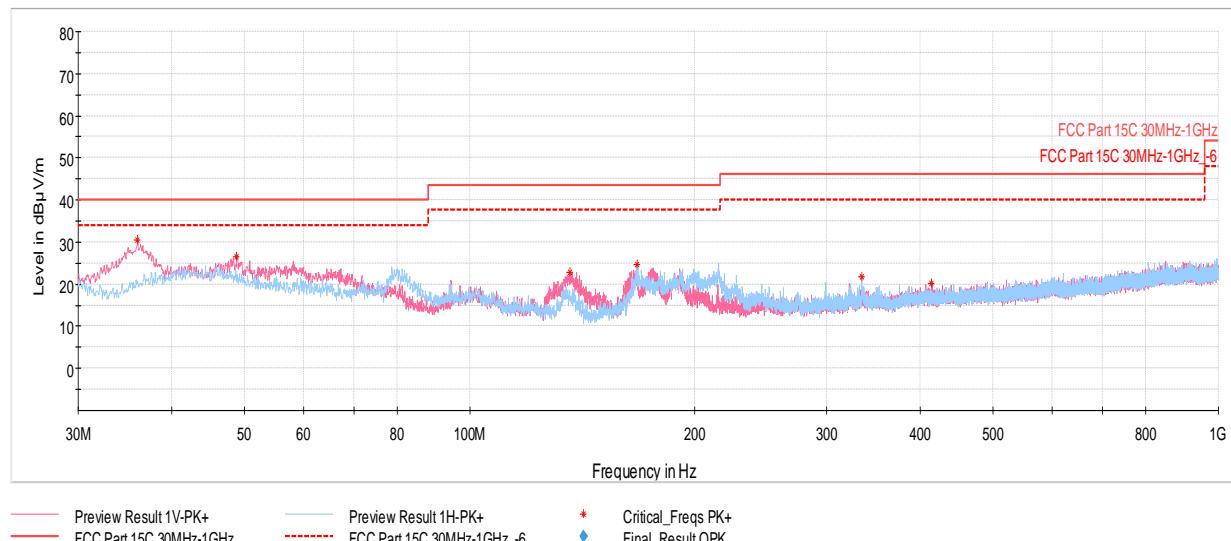


Plot 7-704. Radiated Spurious Emissions below 1GHz CDD 11n Ch.6, with AC/DC Adapter

| 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] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| 36.50 | Max Peak | V | 100 | 353 | -58.74 | -18.33 | 29.93 | 40.00 | -10.07 |
| 48.77 | Max Peak | V | 100 | 358 | -64.67 | -15.50 | 26.83 | 40.00 | -13.17 |
| 138.30 | Max Peak | V | 100 | 6 | -61.53 | -21.40 | 24.07 | 43.52 | -19.45 |
| 191.07 | Max Peak | H | 100 | 258 | -62.93 | -18.27 | 25.80 | 43.52 | -17.72 |
| 322.31 | Max Peak | H | 100 | 292 | -72.10 | -14.54 | 20.36 | 46.02 | -25.66 |
| 333.85 | Max Peak | H | 100 | 287 | -72.80 | -14.10 | 20.10 | 46.02 | -25.92 |

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

| | | | |
|---|---|---------------------------------------|-----------------------------------|
| FCC ID: BCG2764 IC: 579C-A2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-11.BCG | Test Dates: 07/21/2022-9/12/2022 | EUT Type: Tablet Device | Page 421 of 429 |



Plot 7-705. 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] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| 36.01 | Max Peak | V | 100 | 27 | -58.15 | -18.45 | 30.40 | 40.00 | -9.60 |
| 48.87 | Max Peak | V | 100 | 18 | -65.01 | -15.51 | 26.48 | 40.00 | -13.52 |
| 136.12 | Max Peak | V | 100 | 231 | -62.79 | -21.45 | 22.76 | 43.52 | -20.76 |
| 167.16 | Max Peak | H | 100 | 69 | -62.19 | -20.26 | 24.55 | 43.52 | -18.97 |
| 334.19 | Max Peak | H | 100 | 290 | -71.22 | -14.04 | 21.74 | 46.02 | -24.28 |
| 413.49 | Max Peak | V | 300 | 127 | -74.61 | -12.19 | 20.20 | 46.02 | -25.82 |

Table 7-68. Radiated Spurious Emissions below 1GHz CDD 11ax - SU Ch.6, with AC/DC Adapter

| | | | |
|---|---|---------------------------------------|-----------------------------------|
| FCC ID: BCG2764 IC: 579C-A2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-11.BCG | Test Dates: 07/21/2022-9/12/2022 | EUT Type: Tablet Device | Page 422 of 429 |

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 (dB μ V) | |
|-----------------------------|------------------------------|-----------|
| | 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

| | | | |
|---|---|---------------------------------------|-----------------------------------|
| FCC ID: BCG2764 IC: 579C-A2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-11.BCG | Test Dates: 07/21/2022-9/12/2022 | EUT Type: Tablet Device | Page 423 of 429 |

Test Setup

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

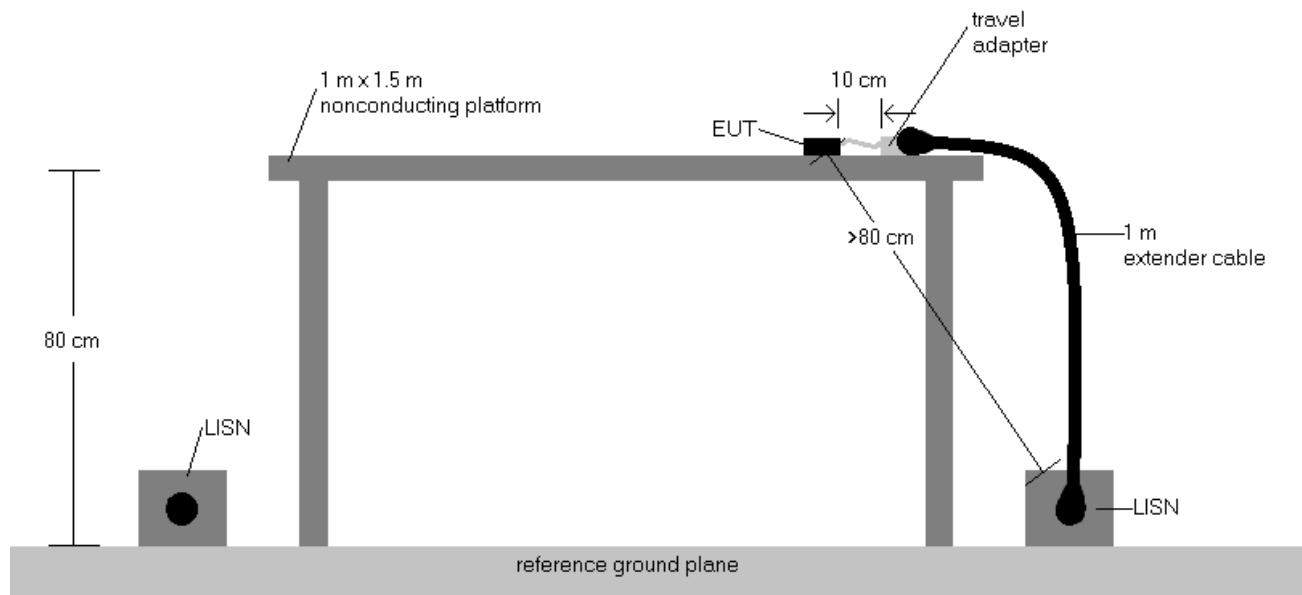
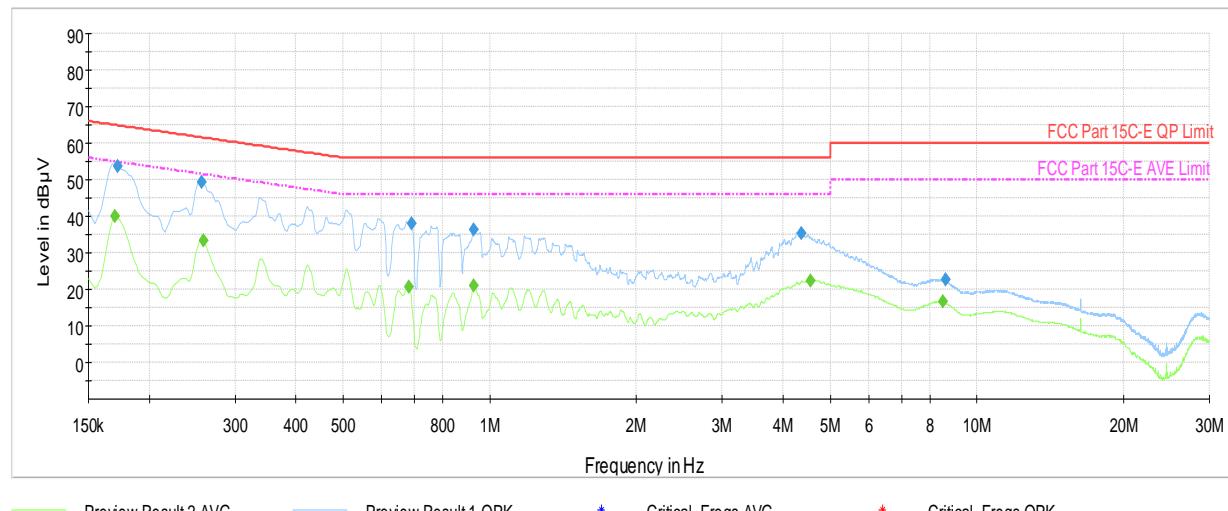


Figure 7-9. Test Instrument & Measurement Setup

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 (dB μ V) = QP/AV Analyzer/Receiver Level (dB μ V) + Corr. (dB)
6. Margin (dB) = QP/AV Level (dB μ V) - QP/AV Limit (dB μ V)
7. Traces shown in plot are made using quasi peak and average detectors.
8. Deviations to the Specifications: None.

| | | | |
|---|--|---------------------------------------|-----------------------------------|
| FCC ID: BCG2764 IC: 579C-A2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-11.BCG | Test Dates: 07/21/2022-9/12/2022 | EUT Type: Tablet Device | Page 424 of 429 |

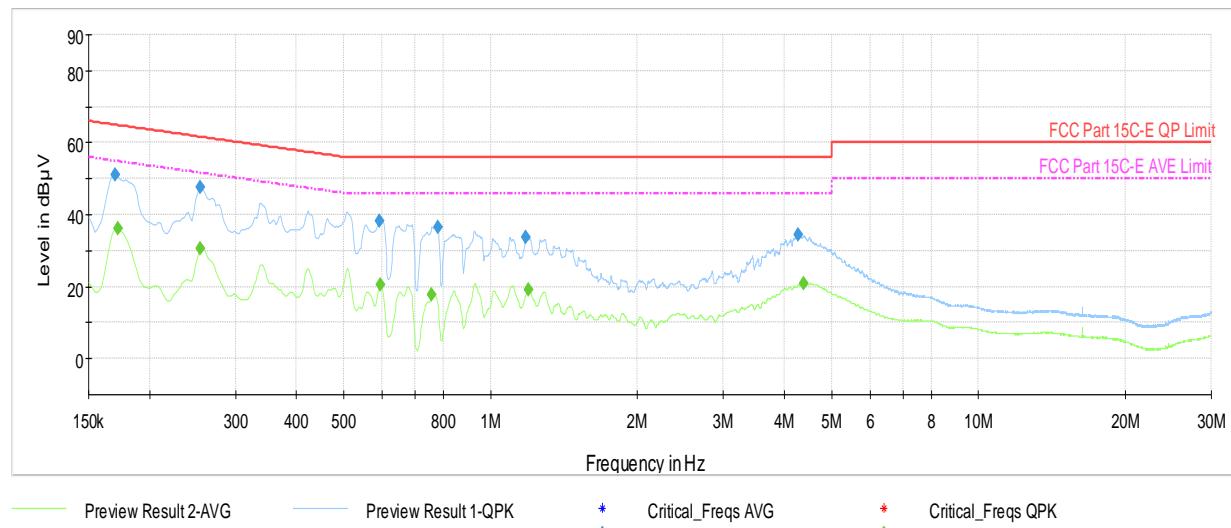


Plot 7-706. AC Line Conducted Plot with CDD 11n Ch.6 (L1, with AC/DC Adapter)

| Frequency [MHz] | Process State | QuasiPeak [dBμV] | Average [dBμV] | Limit [dBμV] | Margin [dB] | Line | PE |
|-----------------|---------------|------------------|----------------|--------------|-------------|------|-----|
| 0.170 | FINAL | — | 40.06 | 54.95 | -14.89 | L1 | GND |
| 0.173 | FINAL | 53.7 | — | 64.84 | -11.13 | L1 | GND |
| 0.256 | FINAL | 49.5 | — | 61.57 | -12.08 | L1 | GND |
| 0.258 | FINAL | — | 33.45 | 51.50 | -18.05 | L1 | GND |
| 0.681 | FINAL | — | 20.56 | 46.00 | -25.44 | L1 | GND |
| 0.690 | FINAL | 38.1 | — | 56.00 | -17.89 | L1 | GND |
| 0.926 | FINAL | 36.3 | — | 56.00 | -19.69 | L1 | GND |
| 0.926 | FINAL | — | 20.93 | 46.00 | -25.07 | L1 | GND |
| 4.353 | FINAL | 35.2 | — | 56.00 | -20.82 | L1 | GND |
| 4.544 | FINAL | — | 22.50 | 46.00 | -23.50 | L1 | GND |
| 8.495 | FINAL | — | 16.55 | 50.00 | -33.45 | L1 | GND |
| 8.603 | FINAL | 22.6 | — | 60.00 | -37.45 | L1 | GND |

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

| | | | |
|---|---|---------------------------------------|-----------------------------------|
| FCC ID: BCG2764 IC: 579C-A2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-11.BCG | Test Dates: 07/21/2022-9/12/2022 | EUT Type: Tablet Device | Page 425 of 429 |

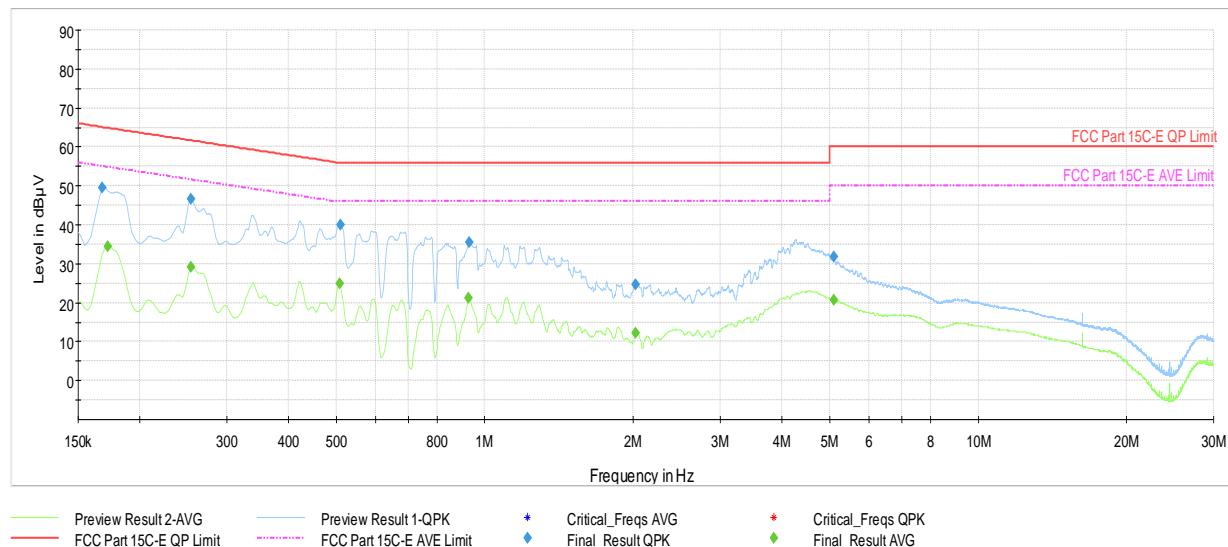


Plot 7-707. AC Line Conducted Plot with CDD 11n Ch.6 (N, with AC/DC Adapter)

| Frequency [MHz] | Process State | QuasiPeak [dBμV] | Average [dBμV] | Limit [dBμV] | Margin [dB] | Line | PE |
|-----------------|---------------|------------------|----------------|--------------|-------------|------|-----|
| 0.170 | FINAL | 51.3 | — | 64.95 | -13.68 | N | GND |
| 0.173 | FINAL | — | 36.23 | 54.84 | -18.60 | N | GND |
| 0.254 | FINAL | — | 30.68 | 51.64 | -20.97 | N | GND |
| 0.254 | FINAL | 47.6 | — | 61.64 | -14.04 | N | GND |
| 0.591 | FINAL | 38.4 | — | 56.00 | -17.58 | N | GND |
| 0.593 | FINAL | — | 20.56 | 46.00 | -25.44 | N | GND |
| 0.758 | FINAL | — | 17.66 | 46.00 | -28.34 | N | GND |
| 0.780 | FINAL | 36.6 | — | 56.00 | -19.38 | N | GND |
| 1.178 | FINAL | 33.8 | — | 56.00 | -22.24 | N | GND |
| 1.194 | FINAL | — | 19.18 | 46.00 | -26.82 | N | GND |
| 4.270 | FINAL | 34.6 | — | 56.00 | -21.42 | N | GND |
| 4.371 | FINAL | — | 20.81 | 46.00 | -25.19 | N | GND |

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

| | | | |
|---|---|---------------------------------------|-----------------------------------|
| FCC ID: BCG2764 IC: 579C-A2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-11.BCG | Test Dates: 07/21/2022-9/12/2022 | EUT Type: Tablet Device | Page 426 of 429 |

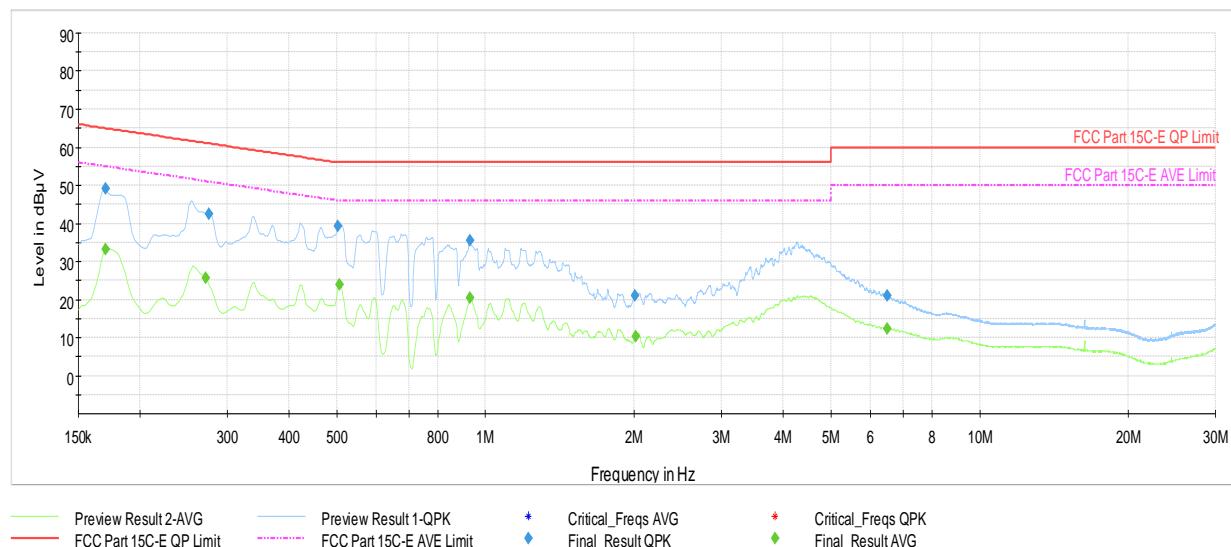


Plot 7-708. AC Line Conducted Plot with CDD 11ax - SU Ch.6 (L1, with AC/DC Adapter)

| Frequency [MHz] | Process State | QuasiPeak [dB μ V] | Average [dB μ V] | Limit [dB μ V] | Margin [dB] | Line | PE |
|-----------------|---------------|------------------------|----------------------|--------------------|-------------|------|-----|
| 0.168 | FINAL | 49.6 | — | 65.06 | -15.45 | L1 | GND |
| 0.173 | FINAL | — | 34.37 | 54.84 | -20.47 | L1 | GND |
| 0.254 | FINAL | — | 29.17 | 51.64 | -22.47 | L1 | GND |
| 0.254 | FINAL | 46.6 | — | 61.64 | -15.05 | L1 | GND |
| 0.508 | FINAL | — | 25.03 | 46.00 | -20.97 | L1 | GND |
| 0.510 | FINAL | 40.1 | — | 56.00 | -15.94 | L1 | GND |
| 0.926 | FINAL | — | 21.11 | 46.00 | -24.89 | L1 | GND |
| 0.931 | FINAL | 35.5 | — | 56.00 | -20.54 | L1 | GND |
| 2.020 | FINAL | 24.6 | — | 56.00 | -31.36 | L1 | GND |
| 2.024 | FINAL | — | 12.34 | 46.00 | -33.66 | L1 | GND |
| 5.091 | FINAL | 31.7 | — | 60.00 | -28.28 | L1 | GND |
| 5.093 | FINAL | — | 20.78 | 50.00 | -29.22 | L1 | GND |

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

| | | | |
|---|---|---------------------------------------|-----------------------------------|
| FCC ID: BCG2764 IC: 579C-A2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-11.BCG | Test Dates: 07/21/2022-9/12/2022 | EUT Type: Tablet Device | Page 427 of 429 |



Plot 7-709. AC Line Conducted Plot with CDD 11ax - SU Ch.6 (N, with AC/DC Adapter)

| Frequency [MHz] | Process State | QuasiPeak [dB μ V] | Average [dB μ V] | Limit [dB μ V] | Margin [dB] | Line | PE |
|-----------------|---------------|------------------------|----------------------|--------------------|-------------|------|-----|
| 0.170 | FINAL | — | 33.29 | 54.95 | -21.66 | N | GND |
| 0.170 | FINAL | 49.0 | — | 64.95 | -15.95 | N | GND |
| 0.272 | FINAL | — | 25.72 | 51.07 | -25.35 | N | GND |
| 0.276 | FINAL | 42.5 | — | 60.94 | -18.45 | N | GND |
| 0.503 | FINAL | 39.1 | — | 56.00 | -16.86 | N | GND |
| 0.506 | FINAL | — | 23.87 | 46.00 | -22.13 | N | GND |
| 0.929 | FINAL | 35.4 | — | 56.00 | -20.63 | N | GND |
| 0.929 | FINAL | — | 20.58 | 46.00 | -25.42 | N | GND |
| 2.004 | FINAL | 21.0 | — | 56.00 | -35.02 | N | GND |
| 2.011 | FINAL | — | 10.32 | 46.00 | -35.68 | N | GND |
| 6.486 | FINAL | 21.0 | — | 60.00 | -38.98 | N | GND |
| 6.493 | FINAL | — | 12.45 | 50.00 | -37.55 | N | GND |

Table 7-73. AC Line Conducted Data with CDD 11ax - SU Ch.6 (N, with AC/DC Adapter)

| | | | |
|---|---|---------------------------------------|-----------------------------------|
| FCC ID: BCG2764 IC: 579C-A2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-11.BCG | Test Dates: 07/21/2022-9/12/2022 | EUT Type: Tablet Device | Page 428 of 429 |

8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Apple Tablet Device** **FCC ID: BCG2764, IC: 579C-A2764** 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.

| | | | |
|---|---|---------------------------------------|-----------------------------------|
| FCC ID: BCG2764 IC: 579C-A2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-11.BCG | Test Dates: 07/21/2022-9/12/2022 | EUT Type: Tablet Device | Page 429 of 429 |

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