

## 7.4.24 ISED CDD/SDM Conducted Output Power Measurements (Fully-loaded RU)

| 5GHz (20MHz Bandwidth) | Freq [MHz] | Channel | Mode | RU Size | RU Index | Data Rate [Mbps]    | Conducted Powers [dBm] |              |        | Conducted Power Limit [dBm] | Conducted Power Margin [dB] | Ant. Gain [dBi] | Max e.i.r.p. [dBm] | Max e.i.r.p. Limit [dBm] | e.i.r.p. Margin [dB] |
|------------------------|------------|---------|------|---------|----------|---------------------|------------------------|--------------|--------|-----------------------------|-----------------------------|-----------------|--------------------|--------------------------|----------------------|
|                        |            |         |      |         |          |                     | Antenna WF8            | Antenna WF7a | Summed |                             |                             |                 |                    |                          |                      |
|                        |            |         |      |         |          |                     |                        |              |        |                             |                             |                 |                    |                          |                      |
|                        | 5180       | 36      | SDM  | 242     | 61       | 243.8/286.8 (MCS11) | 14.43                  | 14.37        | 17.41  | 23.98                       | -6.57                       | 2.50            | 19.91              | 22.60                    | -2.69                |
|                        | 5200       | 40      | SDM  | 242     | 61       | 243.8/286.8 (MCS11) | 14.11                  | 14.49        | 17.31  | 23.98                       | -6.67                       | 2.50            | 19.81              | 22.60                    | -2.79                |
|                        | 5240       | 48      | SDM  | 242     | 61       | 243.8/286.8 (MCS11) | 14.15                  | 14.47        | 17.32  | 23.98                       | -6.66                       | 2.50            | 19.82              | 22.60                    | -2.78                |
|                        | 5260       | 52      | CDD  | 242     | 61       | 243.8/286.8 (MCS11) | 17.81                  | 17.67        | 20.75  | 23.64                       | -2.89                       | 3.10            | 23.85              | 29.64                    | -5.79                |
|                        | 5300       | 60      | CDD  | 242     | 61       | 243.8/286.8 (MCS11) | 17.78                  | 17.92        | 20.86  | 23.64                       | -2.78                       | 3.10            | 23.96              | 29.64                    | -5.68                |
|                        | 5320       | 64      | CDD  | 242     | 61       | 243.8/286.8 (MCS11) | 15.41                  | 15.13        | 18.28  | 23.64                       | -5.36                       | 3.10            | 21.38              | 29.64                    | -8.26                |
|                        | 5500       | 100     | CDD  | 242     | 61       | 243.8/286.8 (MCS11) | 14.37                  | 14.68        | 17.54  | 23.65                       | -6.11                       | 4.60            | 22.14              | 29.65                    | -7.51                |
|                        | 5520       | 104     | SDM  | 242     | 61       | 243.8/286.8 (MCS11) | 17.39                  | 17.30        | 20.36  | 23.65                       | -3.29                       | 3.75            | 24.11              | 29.65                    | -5.54                |
|                        | 5540       | 108     | SDM  | 242     | 61       | 243.8/286.8 (MCS11) | 17.95                  | 17.83        | 20.90  | 23.65                       | -2.75                       | 3.75            | 24.65              | 29.65                    | -5.00                |
|                        | 5580       | 116     | SDM  | 242     | 61       | 243.8/286.8 (MCS11) | 17.82                  | 17.88        | 20.86  | 23.65                       | -2.79                       | 3.75            | 24.61              | 29.65                    | -5.04                |
|                        | 5680       | 136     | SDM  | 242     | 61       | 243.8/286.8 (MCS11) | 17.91                  | 17.84        | 20.88  | 23.65                       | -2.77                       | 3.75            | 24.63              | 29.65                    | -5.02                |
|                        | 5700       | 140     | CDD  | 242     | 61       | 243.8/286.8 (MCS11) | 13.83                  | 13.80        | 16.82  | 23.65                       | -6.83                       | 4.60            | 21.42              | 29.65                    | -8.23                |
|                        | 5720       | 144     | SDM  | 242     | 61       | 243.8/286.8 (MCS11) | 17.87                  | 17.88        | 20.89  | 23.65                       | -2.76                       | 3.75            | 24.64              | 29.65                    | -5.01                |
|                        | 5745       | 149     | CDD  | 242     | 61       | 243.8/286.8 (MCS11) | 20.49                  | 20.42        | 23.46  | 30.00                       | -6.54                       | 5.20            | 28.66              | -                        | -                    |
|                        | 5785       | 157     | CDD  | 242     | 61       | 243.8/286.8 (MCS11) | 20.34                  | 20.10        | 23.24  | 30.00                       | -6.76                       | 5.20            | 28.44              | -                        | -                    |
|                        | 5825       | 165     | CDD  | 242     | 61       | 243.8/286.8 (MCS11) | 20.31                  | 20.38        | 23.35  | 30.00                       | -6.65                       | 5.20            | 28.55              | -                        | -                    |

Table 7-98. ISED CDD/SDM 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

| 5GHz (40MHz Bandwidth) | Freq [MHz] | Channel | Mode | RU Size | RU Index | Data Rate [Mbps]    | Conducted Powers [dBm] |              |        | Conducted Power Limit [dBm] | Conducted Power Margin [dB] | Ant. Gain [dBi] | Max e.i.r.p. [dBm] | Max e.i.r.p. Limit [dBm] | e.i.r.p. Margin [dB] |
|------------------------|------------|---------|------|---------|----------|---------------------|------------------------|--------------|--------|-----------------------------|-----------------------------|-----------------|--------------------|--------------------------|----------------------|
|                        |            |         |      |         |          |                     | Antenna WF8            | Antenna WF7a | Summed |                             |                             |                 |                    |                          |                      |
|                        |            |         |      |         |          |                     |                        |              |        |                             |                             |                 |                    |                          |                      |
|                        | 5190       | 38      | CDD  | 484     | 65       | 487.5/573.5 (MCS11) | 11.74                  | 11.74        | 14.75  | 23.98                       | -9.23                       | 3.50            | 18.25              | 22.60                    | -4.35                |
|                        | 5230       | 46      | SDM  | 484     | 65       | 487.5/573.5 (MCS11) | 16.48                  | 16.42        | 19.46  | 23.98                       | -4.52                       | 2.50            | 21.96              | 22.60                    | -0.64                |
|                        | 5270       | 54      | CDD  | 484     | 65       | 487.5/573.5 (MCS11) | 18.84                  | 18.75        | 21.80  | 23.64                       | -1.84                       | 3.10            | 24.90              | 29.64                    | -4.74                |
|                        | 5310       | 62      | CDD  | 484     | 65       | 487.5/573.5 (MCS11) | 13.77                  | 13.66        | 16.73  | 23.64                       | -6.91                       | 3.10            | 19.83              | 29.64                    | -9.81                |
|                        | 5510       | 102     | CDD  | 484     | 65       | 487.5/573.5 (MCS11) | 12.94                  | 12.95        | 15.96  | 23.65                       | -7.69                       | 4.60            | 20.56              | 29.65                    | -9.09                |
|                        | 5550       | 110     | CDD  | 484     | 65       | 487.5/573.5 (MCS11) | 17.20                  | 17.48        | 20.35  | 23.65                       | -3.30                       | 4.60            | 24.95              | 29.65                    | -4.70                |
|                        | 5670       | 134     | CDD  | 484     | 65       | 487.5/573.5 (MCS11) | 15.21                  | 15.19        | 18.21  | 23.65                       | -5.44                       | 4.60            | 22.81              | 29.65                    | -6.84                |
|                        | 5710       | 142     | SDM  | 484     | 65       | 487.5/573.5 (MCS11) | 19.79                  | 19.74        | 22.77  | 23.65                       | -0.88                       | 3.75            | 26.52              | 29.65                    | -3.13                |
|                        | 5755       | 151     | CDD  | 484     | 65       | 487.5/573.5 (MCS11) | 20.37                  | 20.34        | 23.37  | 30.00                       | -6.63                       | 5.20            | 28.57              | -                        | -                    |
|                        | 5795       | 159     | CDD  | 484     | 65       | 487.5/573.5 (MCS11) | 20.35                  | 20.29        | 23.33  | 30.00                       | -6.67                       | 5.20            | 28.53              | -                        | -                    |

Table 7-99. ISED CDD/SDM 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

| 5GHz (80MHz Bandwidth) | Freq [MHz] | Channel | Mode | RU Size | RU Index | Data Rate [Mbps]    | Conducted Powers [dBm] |              |        | Conducted Power Limit [dBm] | Conducted Power Margin [dB] | Ant. Gain [dBi] | Max e.i.r.p. [dBm] | Max e.i.r.p. Limit [dBm] | e.i.r.p. Margin [dB] |
|------------------------|------------|---------|------|---------|----------|---------------------|------------------------|--------------|--------|-----------------------------|-----------------------------|-----------------|--------------------|--------------------------|----------------------|
|                        |            |         |      |         |          |                     | Antenna WF8            | Antenna WF7a | Summed |                             |                             |                 |                    |                          |                      |
|                        |            |         |      |         |          |                     |                        |              |        |                             |                             |                 |                    |                          |                      |
|                        | 5210       | 42      | CDD  | 996     | 67       | 1020.8/1201 (MCS11) | 11.09                  | 11.45        | 14.28  | 23.98                       | -9.70                       | 3.50            | 17.78              | 22.60                    | -4.82                |
|                        | 5290       | 58      | CDD  | 996     | 67       | 1020.8/1201 (MCS11) | 13.70                  | 13.83        | 16.78  | 23.64                       | -6.86                       | 3.10            | 19.88              | 29.64                    | -9.76                |
|                        | 5530       | 106     | CDD  | 996     | 67       | 1020.8/1201 (MCS11) | 11.36                  | 11.34        | 14.36  | 23.65                       | -9.29                       | 4.60            | 18.96              | 29.65                    | -10.69               |
|                        | 5690       | 138     | CDD  | 996     | 67       | 1020.8/1201 (MCS11) | 19.88                  | 19.91        | 22.91  | 23.65                       | -0.74                       | 4.60            | 27.51              | 29.65                    | -2.14                |
|                        | 5775       | 155     | CDD  | 996     | 67       | 1020.8/1201 (MCS11) | 15.81                  | 15.76        | 18.79  | 30.00                       | -11.21                      | 5.20            | 23.99              | -                        | -                    |

Table 7-100. ISED CDD 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

| 5GHz (160MHz Bandwidth) | Freq [MHz] | Channel | Mode | RU Size | RU Index | Data Rate [Mbps]    | Conducted Powers [dBm] |              |        | Conducted Power Limit [dBm] | Conducted Power Margin [dB] | Ant. Gain [dBi] | Max e.i.r.p. [dBm] | Max e.i.r.p. Limit [dBm] | e.i.r.p. Margin [dB] |
|-------------------------|------------|---------|------|---------|----------|---------------------|------------------------|--------------|--------|-----------------------------|-----------------------------|-----------------|--------------------|--------------------------|----------------------|
|                         |            |         |      |         |          |                     | Antenna WF8            | Antenna WF7a | Summed |                             |                             |                 |                    |                          |                      |
|                         |            |         |      |         |          |                     |                        |              |        |                             |                             |                 |                    |                          |                      |
|                         | 5250       | 50      | CDD  | 996x2   | 68       | 2041.6/2402 (MCS11) | 9.91                   | 9.78         | 12.86  | 23.98                       | -11.12                      | 3.50            | 16.36              | 22.60                    | -6.24                |

Table 7-101. ISED CDD 160MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

|   |   |                                       |                                 |
|---|---|---------------------------------------|---------------------------------|
| FCC ID: BCGA3266<br>IC: 579C-A3266      |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2410210072-11.BCG | Test Dates:<br>10/25/2024 - 1/2/2025  | EUT Type:<br>Tablet Device            | Page 68 of 184                  |

**Note:**

Per ANSI C63.10-2020 and KDB 662911 v02r01 Section E1), the conducted powers at Antenna WF8 and Antenna WF7a were first measured separately during CDD/SDM transmission as shown in the section above. The measured values were then summed in linear power units then converted back to dBm.

Per ANSI C63.10-2020 Subclause 14.6.3, the correlated directional gain is calculated using the following formula, where  $G_N$  is the gain of the nth antenna and  $N_{ANT}$ , the total number of antennas used.

$$\text{Directional gain} = G_{ANT} + \text{Array Gain dBi}$$

Per ANSI C63.10-2020 Subclause 14.6.3, the uncorrelated directional gain is calculated using the following formula, where  $G_N$  is the gain of the nth antenna and  $N_{ANT}$ , the total number of antennas used.

$$\text{Directional gain} = 10 \log[(10^{G_1/10} + 10^{G_2/10} + \dots + 10^{G_N/10}) / N_{ANT}] \text{ dBi}$$

**Sample CDD Calculation:**

At 5180MHz in 802.11ax (20MHz BW) mode, the average conducted output power was measured to be 5.40 dBm for Antenna WF8 and 5.39 dBm for Antenna WF7a.

$$\text{Antenna WF8} + \text{Antenna WF7a} = \text{CDD/SDM}$$

$$(5.40 \text{ dBm} + 5.39 \text{ dBm}) = (3.467 \text{ mW} + 3.459 \text{ mW}) = 6.926 \text{ mW} = 8.41 \text{ dBm}$$

**Sample e.i.r.p. Calculation:**

At 5180MHz in 802.11ax (20MHz BW, SDM) mode, the average SDM conducted power was calculated to be 8.41 dBm with directional gain of 2.50 dBi.

$$\text{e.i.r.p. (dBm)} = \text{Conducted Power (dBm)} + \text{Ant gain (dBi)}$$

$$8.41 \text{ dBm} + 2.50 \text{ dBi} = 9.91 \text{ dBm}$$

|   |   |                                       |                                 |
|---|---|---------------------------------------|---------------------------------|
| FCC ID: BCGA3266<br>IC: 579C-A3266      |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2410210072-11.BCG | Test Dates:<br>10/25/2024 - 1/2/2025  | EUT Type:<br>Tablet Device            | Page 69 of 184                  |

V 10.6 10/27/2023

## 7.5 Maximum Power Spectral Density

**§15.407(a.1.iv) §15.407(a.2) §15.407(a.3.i); RSS-247 [6.2]**

### **Test Overview and Limit**

The spectrum analyzer was connected to the antenna terminal while the EUT was operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10-2020 and KDB 789033 D02 v02r01, and at the appropriate frequencies. Method SA-1, as defined in ANSI C63.10-2020 and KDB 789033 D02 v02r01, was used to measure the power spectral density.

***In the 5.15 – 5.25GHz, 5.25 – 5.35GHz, 5.47 – 5.725GHz bands, the maximum permissible power spectral density is 11dBm/MHz.***

***In the 5.15 – 5.25GHz band, the e.i.r.p. spectral density shall not exceed 10 dBm in any 1 MHz band.***

***In the 5.725 – 5.850GHz band, the maximum permissible power spectral density is 30dBm/500kHz.***

### **Test Procedure Used**

ANSI C63.10-2020 – Section 12.4.2.2

KDB 789033 D02 v02r01 – Section F

ANSI C63.10-2020 – Section 14.5.2.2 Measure-and-Sum Technique

KDB 662911 v02r01 – Section E)2) Measure-and-Sum Technique

### **Test Settings**

1. Analyzer was set to the center frequency of the UNII channel under investigation
2. Set span to encompass the entire 99% OBW of the signal
3. RBW = 1MHz for U-NII 1, U-NII 2A, U-NII 2C; 500kHz for U-NII 3
4. VBW ≥ 3MHz for U-NII 1, U-NII 2A, U-NII 2C; ≥ 3 x RBW for U-NII 3
5. Number of sweep points ≥ 2 x (span/RBW)
6. Sweep time = auto
7. Detector = power averaging (RMS)
8. Trigger was set to free run for all modes
9. Trace was averaged over 100 sweeps
10. The peak search function of the spectrum analyzer was used to find the peak of the spectrum.

|  |   |   |  |
|--|---|---|--|
| <b>FCC ID:</b> BCGA3266<br><b>IC:</b> 579C-A3266 |  | <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> | <b>Approved by:</b><br>Quality Manager |
| <b>Test Report S/N:</b><br>1C2410210072-11.BCG   | <b>Test Dates:</b><br>10/25/2024 - 1/2/2025   | <b>EUT Type:</b><br>Tablet Device             | Page 70 of 184                         |

V 10.6 10/27/2023

## Test Setup

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



**Figure 7-4. Test Instrument & Measurement Setup**

## Test Notes

1. All of the partially-loaded RU configurations have been investigated for Power Spectral Density measurement and among all partially-loaded RU configurations, the lowest supported RU configuration was found to be the worst case. Therefore, only the RU26, RU52 (Partially-loaded RU) and RU242 (Fully-loaded RU) data are included in this section.
2. Low, mid, and high channels were tested and tabular data has been reported. Only worst case PSD plots have been reported.

|  |   |   |  |
|--|---|---|--|
| <b>FCC ID:</b> BCGA3266<br><b>IC:</b> 579C-A3266 |  | <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> | <b>Approved by:</b><br>Quality Manager |
| <b>Test Report S/N:</b><br>1C2410210072-11.BCG   | <b>Test Dates:</b><br>10/25/2024 - 1/2/2025   | <b>EUT Type:</b><br>Tablet Device             | Page 71 of 184                         |

V 10.6 10/27/2023

## 7.5.1 Antenna WF8 Power Spectral Density Measurements

|        | Frequency [MHz] | Channel No. | 802.11 MODE | RU Size | RU Index | Data Rate [Mbps]  | Measured Power Density [dBm/MHz] | Max Power Density [dBm/MHz] | Margin [dB] |
|--------|-----------------|-------------|-------------|---------|----------|-------------------|----------------------------------|-----------------------------|-------------|
| Band 1 | 5180            | 36          | ax (20MHz)  | 26      | 0        | 12.5/14.7 (MCS11) | 7.90                             | 11.0                        | -3.11       |
|        |                 |             |             | 26      | 4        | 12.5/14.7 (MCS11) | 6.61                             | 11.0                        | -4.39       |
|        |                 |             |             | 26      | 8        | 12.5/14.7 (MCS11) | 7.72                             | 11.0                        | -3.28       |
|        | 5200            | 40          | ax (20MHz)  | 26      | 0        | 12.5/14.7 (MCS11) | 7.28                             | 11.0                        | -3.72       |
|        |                 |             |             | 26      | 4        | 12.5/14.7 (MCS11) | 7.01                             | 11.0                        | -3.99       |
|        |                 |             |             | 26      | 8        | 12.5/14.7 (MCS11) | 7.87                             | 11.0                        | -3.13       |
|        | 5240            | 48          | ax (20MHz)  | 26      | 0        | 12.5/14.7 (MCS11) | 8.12                             | 11.0                        | -2.88       |
|        |                 |             |             | 26      | 4        | 12.5/14.7 (MCS11) | 7.30                             | 11.0                        | -3.71       |
|        |                 |             |             | 26      | 8        | 12.5/14.7 (MCS11) | 8.30                             | 11.0                        | -2.70       |
|        | 5190            | 38          | ax (40MHz)  | 26      | 0        | 12.5/14.7 (MCS11) | 7.53                             | 11.0                        | -3.47       |
|        |                 |             |             | 26      | 8        | 12.5/14.7 (MCS11) | 7.90                             | 11.0                        | -3.10       |
|        |                 |             |             | 26      | 17       | 12.5/14.7 (MCS11) | 7.99                             | 11.0                        | -3.01       |
|        | 5230            | 46          | ax (40MHz)  | 26      | 0        | 12.5/14.7 (MCS11) | 8.27                             | 11.0                        | -2.73       |
|        |                 |             |             | 26      | 8        | 12.5/14.7 (MCS11) | 8.11                             | 11.0                        | -2.89       |
|        |                 |             |             | 26      | 17       | 12.5/14.7 (MCS11) | 8.05                             | 11.0                        | -2.95       |
|        | 5210            | 42          | ax (80MHz)  | 26      | 0        | 12.5/14.7 (MCS11) | 7.62                             | 11.0                        | -3.38       |
|        |                 |             |             | 26      | 18       | 12.5/14.7 (MCS11) | 6.47                             | 11.0                        | -4.54       |
|        |                 |             |             | 26      | 36       | 12.5/14.7 (MCS11) | 8.69                             | 11.0                        | -2.31       |

Table 7-102. Bands 1 Power Spectral Density Measurements Antenna WF8 (RU26)

|   |   |                                       |                                 |
|---|---|---------------------------------------|---------------------------------|
| FCC ID: BCGA3266<br>IC: 579C-A3266      |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2410210072-11.BCG | Test Dates:<br>10/25/2024 - 1/2/2025  | EUT Type:<br>Tablet Device            | Page 72 of 184                  |

V 10.6 10/27/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact [ct.info@element.com](mailto:ct.info@element.com).

|              | Frequency<br>[MHz] | Channel<br>No. | 802.11<br>MODE | RU Size | RU Index        | Data Rate [Mbps] | Measured Power<br>Density<br>[dBm/MHz] | Max Power<br>Density<br>[dBm/MHz] | Margin<br>[dB] |
|--------------|--------------------|----------------|----------------|---------|-----------------|------------------|--|-----------------------------------|----------------|
| Band<br>1/2A | 5250               | 50 (L)         | ax (160MHz)    | 52      | 37              | 25/29.4 (MCS11)  | 3.86                                   | 11.0                              | -7.14          |
|              |                    | 52             |                | 52      | 25/29.4 (MCS11) | 4.42             | 11.0                                   | -6.58                             |                |
|              |                    | 50 (U)         |                | 52      | 52              | 25/29.4 (MCS11)  | 4.52                                   | 11.0                              | -6.48          |
| Band 2A      | 5260               | 52             | ax (20MHz)     | 52      | 37              | 25/29.4 (MCS11)  | 8.23                                   | 11.0                              | -2.78          |
|              |                    |                |                | 52      | 38              | 25/29.4 (MCS11)  | 8.21                                   | 11.0                              | -2.79          |
|              |                    |                |                | 52      | 40              | 25/29.4 (MCS11)  | 8.20                                   | 11.0                              | -2.80          |
|              | 5280               | 60             | ax (20MHz)     | 52      | 37              | 25/29.4 (MCS11)  | 8.28                                   | 11.0                              | -2.72          |
|              |                    |                |                | 52      | 38              | 25/29.4 (MCS11)  | 8.40                                   | 11.0                              | -2.60          |
|              |                    |                |                | 52      | 40              | 25/29.4 (MCS11)  | 8.36                                   | 11.0                              | -2.64          |
|              | 5320               | 64             | ax (20MHz)     | 52      | 37              | 25/29.4 (MCS11)  | 8.08                                   | 11.0                              | -2.92          |
|              |                    |                |                | 52      | 38              | 25/29.4 (MCS11)  | 8.31                                   | 11.0                              | -2.70          |
|              |                    |                |                | 52      | 40              | 25/29.4 (MCS11)  | 8.38                                   | 11.0                              | -2.62          |
|              | 5270               | 54             | ax (40MHz)     | 52      | 37              | 25/29.4 (MCS11)  | 8.33                                   | 11.0                              | -2.67          |
|              |                    |                |                | 52      | 40              | 25/29.4 (MCS11)  | 8.07                                   | 11.0                              | -2.93          |
|              |                    |                |                | 52      | 44              | 25/29.4 (MCS11)  | 8.71                                   | 11.0                              | -2.29          |
|              | 5310               | 62             | ax (40MHz)     | 52      | 37              | 25/29.4 (MCS11)  | 7.76                                   | 11.0                              | -3.24          |
|              |                    |                |                | 52      | 40              | 25/29.4 (MCS11)  | 8.69                                   | 11.0                              | -2.31          |
|              |                    |                |                | 52      | 44              | 25/29.4 (MCS11)  | 8.02                                   | 11.0                              | -2.98          |
|              | 5290               | 58             | ax (80MHz)     | 52      | 37              | 25/29.4 (MCS11)  | 8.38                                   | 11.0                              | -2.62          |
|              |                    |                |                | 52      | 44              | 25/29.4 (MCS11)  | 8.09                                   | 11.0                              | -2.92          |
|              |                    |                |                | 52      | 52              | 25/29.4 (MCS11)  | 8.55                                   | 11.0                              | -2.45          |
| Band 2C      | 5500               | 100            | ax (20MHz)     | 52      | 37              | 25/29.4 (MCS11)  | 8.48                                   | 11.0                              | -2.52          |
|              |                    |                |                | 52      | 38              | 25/29.4 (MCS11)  | 8.82                                   | 11.0                              | -2.18          |
|              |                    |                |                | 52      | 40              | 25/29.4 (MCS11)  | 8.56                                   | 11.0                              | -2.44          |
|              | 5580               | 116            | ax (20MHz)     | 52      | 37              | 25/29.4 (MCS11)  | 8.31                                   | 11.0                              | -2.69          |
|              |                    |                |                | 52      | 38              | 25/29.4 (MCS11)  | 9.03                                   | 11.0                              | -1.97          |
|              |                    |                |                | 52      | 40              | 25/29.4 (MCS11)  | 9.04                                   | 11.0                              | -1.97          |
|              | 5720               | 144            | ax (20MHz)     | 52      | 37              | 25/29.4 (MCS11)  | 8.80                                   | 11.0                              | -2.21          |
|              |                    |                |                | 52      | 38              | 25/29.4 (MCS11)  | 8.66                                   | 11.0                              | -2.34          |
|              |                    |                |                | 52      | 40              | 25/29.4 (MCS11)  | 8.77                                   | 11.0                              | -2.23          |
|              | 5510               | 102            | ax (40MHz)     | 52      | 37              | 25/29.4 (MCS11)  | 8.25                                   | 11.0                              | -2.75          |
|              |                    |                |                | 52      | 40              | 25/29.4 (MCS11)  | 7.62                                   | 11.0                              | -3.38          |
|              |                    |                |                | 52      | 44              | 25/29.4 (MCS11)  | 8.30                                   | 11.0                              | -2.70          |
|              | 5550               | 110            | ax (40MHz)     | 52      | 37              | 25/29.4 (MCS11)  | 8.19                                   | 11.0                              | -2.81          |
|              |                    |                |                | 52      | 40              | 25/29.4 (MCS11)  | 8.85                                   | 11.0                              | -2.15          |
|              |                    |                |                | 52      | 44              | 25/29.4 (MCS11)  | 8.15                                   | 11.0                              | -2.85          |
|              | *5590              | 118            | ax (40MHz)     | 52      | 37              | 25/29.4 (MCS11)  | 8.66                                   | 11.0                              | -2.34          |
|              |                    |                |                | 52      | 40              | 25/29.4 (MCS11)  | 8.85                                   | 11.0                              | -2.15          |
|              |                    |                |                | 52      | 44              | 25/29.4 (MCS11)  | 8.89                                   | 11.0                              | -2.11          |
|              | 5670               | 134            | ax (40MHz)     | 52      | 37              | 25/29.4 (MCS11)  | 8.06                                   | 11.0                              | -2.94          |
|              |                    |                |                | 52      | 40              | 25/29.4 (MCS11)  | 8.50                                   | 11.0                              | -2.50          |
|              |                    |                |                | 52      | 44              | 25/29.4 (MCS11)  | 8.32                                   | 11.0                              | -2.68          |
|              | 5710               | 142            | ax (40MHz)     | 52      | 37              | 25/29.4 (MCS11)  | 8.41                                   | 11.0                              | -2.59          |
|              |                    |                |                | 52      | 40              | 25/29.4 (MCS11)  | 8.76                                   | 11.0                              | -2.25          |
|              |                    |                |                | 52      | 44              | 25/29.4 (MCS11)  | 8.81                                   | 11.0                              | -2.19          |
|              | 5530               | 106            | ax (80MHz)     | 52      | 37              | 25/29.4 (MCS11)  | 7.07                                   | 11.0                              | -3.93          |
|              |                    |                |                | 52      | 44              | 25/29.4 (MCS11)  | 6.54                                   | 11.0                              | -4.46          |
|              |                    |                |                | 52      | 52              | 25/29.4 (MCS11)  | 7.29                                   | 11.0                              | -3.72          |
| *5610        | 122                | ax (80MHz)     | 52             | 37      | 25/29.4 (MCS11) | 8.85             | 11.0                                   | -2.15                             |                |
|              |                    |                | 52             | 44      | 25/29.4 (MCS11) | 8.36             | 11.0                                   | -2.64                             |                |
|              |                    |                | 52             | 52      | 25/29.4 (MCS11) | 8.82             | 11.0                                   | -2.18                             |                |
| 5690         | 138                | ax (80MHz)     | 52             | 37      | 25/29.4 (MCS11) | 8.75             | 11.0                                   | -2.25                             |                |
|              |                    |                | 52             | 44      | 25/29.4 (MCS11) | 8.35             | 11.0                                   | -2.66                             |                |
|              |                    |                | 52             | 52      | 25/29.4 (MCS11) | 8.42             | 11.0                                   | -2.58                             |                |
| *5570        | 114 (L)            | ax (160MHz)    | 52             | 37      | 25/29.4 (MCS11) | 4.24             | 11.0                                   | -6.76                             |                |
|              | 114 (U)            |                | 52             | 52      | 25/29.4 (MCS11) | 4.24             | 11.0                                   | -6.76                             |                |
|              |                    |                | 52             | 52      | 25/29.4 (MCS11) | 5.07             | 11.0                                   | -5.93                             |                |

**Table 7-103. Bands 1, 2A, 2C Power Spectral Density Measurements Antenna WF8 (RU52)**

\*TDWR channel is not supported for ISED (denoted by a \* next to the frequency)

|   |   |                                       |                                 |
|---|---|---------------------------------------|---------------------------------|
| FCC ID: BCGA3266<br>IC: 579C-A3266      |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2410210072-11.BCG | Test Dates:<br>10/25/2024 - 1/2/2025  | EUT Type:<br>Tablet Device            | Page 73 of 184                  |

V 10.6 10/27/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact [ct.info@element.com](mailto:ct.info@element.com).

|           | Frequency [MHz] | Channel | 802.11 MODE | RU Size | RU Index | Data Rate [Mbps]    | Measured Power Density [dBm/MHz] | Max Power Density [dBm/MHz] | Margin [dB] |
|-----------|-----------------|---------|-------------|---------|----------|---------------------|----------------------------------|-----------------------------|-------------|
| Band 1    | 5180            | 36      | ax (20MHz)  | 242     | 61       | 121.9/143.4 (MCS11) | 3.98                             | 11.0                        | -7.02       |
|           | 5200            | 40      | ax (20MHz)  | 242     | 61       | 121.9/143.4 (MCS11) | 8.57                             | 11.0                        | -2.43       |
|           | 5240            | 48      | ax (20MHz)  | 242     | 61       | 121.9/143.4 (MCS11) | 8.67                             | 11.0                        | -2.33       |
|           | 5190            | 38      | ax (40MHz)  | 484     | 65       | 243.8/286.8 (MCS11) | -1.07                            | 11.0                        | -12.07      |
|           | 5230            | 46      | ax (40MHz)  | 484     | 65       | 243.8/286.8 (MCS11) | 4.64                             | 11.0                        | -6.36       |
|           | 5210            | 42      | ax (80MHz)  | 996     | 67       | 510.4/600.5 (MCS11) | -5.16                            | 11.0                        | -16.16      |
| Band 1/2A | 5250            | 50      | ax (160MHz) | 996x2   | 68       | 1020.8/1201 (MCS11) | -9.04                            | 11.0                        | -20.04      |
| Band 2A   | 5260            | 52      | ax (20MHz)  | 242     | 61       | 121.9/143.4 (MCS11) | 8.76                             | 11.0                        | -2.24       |
|           | 5280            | 60      | ax (20MHz)  | 242     | 61       | 121.9/143.4 (MCS11) | 8.50                             | 11.0                        | -2.50       |
|           | 5320            | 64      | ax (20MHz)  | 242     | 61       | 121.9/143.4 (MCS11) | 4.10                             | 11.0                        | -6.90       |
|           | 5270            | 54      | ax (40MHz)  | 484     | 65       | 243.8/286.8 (MCS11) | 5.29                             | 11.0                        | -5.71       |
|           | 5310            | 62      | ax (40MHz)  | 484     | 65       | 243.8/286.8 (MCS11) | 0.58                             | 11.0                        | -10.43      |
|           | 5290            | 58      | ax (80MHz)  | 996     | 67       | 510.4/600.5 (MCS11) | -2.23                            | 11.0                        | -13.23      |
| Band 2C   | 5500            | 100     | ax (20MHz)  | 242     | 61       | 121.9/143.4 (MCS11) | 3.15                             | 11.0                        | -7.85       |
|           | 5580            | 116     | ax (20MHz)  | 242     | 61       | 121.9/143.4 (MCS11) | 8.72                             | 11.0                        | -2.28       |
|           | 5720            | 144     | ax (20MHz)  | 242     | 61       | 121.9/143.4 (MCS11) | 9.15                             | 11.0                        | -1.85       |
|           | 5510            | 102     | ax (40MHz)  | 484     | 65       | 243.8/286.8 (MCS11) | -0.84                            | 11.0                        | -11.84      |
|           | 5550            | 110     | ax (40MHz)  | 484     | 65       | 243.8/286.8 (MCS11) | 4.61                             | 11.0                        | -6.39       |
|           | *5590           | 118     | ax (40MHz)  | 484     | 65       | 243.8/286.8 (MCS11) | 5.81                             | 11.0                        | -5.19       |
|           | 5710            | 142     | ax (40MHz)  | 484     | 65       | 243.8/286.8 (MCS11) | 5.74                             | 11.0                        | -5.26       |
|           | 5530            | 106     | ax (80MHz)  | 996     | 67       | 510.4/600.5 (MCS11) | -4.52                            | 11.0                        | -15.52      |
|           | *5610           | 122     | ax (80MHz)  | 996     | 67       | 510.4/600.5 (MCS11) | 0.53                             | 11.0                        | -10.48      |
|           | 5690            | 138     | ax (80MHz)  | 996     | 67       | 510.4/600.5 (MCS11) | 2.53                             | 11.0                        | -8.47       |
|           | *5570           | 114     | ax (160MHz) | 996x2   | 68       | 1020.8/1201 (MCS11) | -9.77                            | 11.0                        | -20.77      |

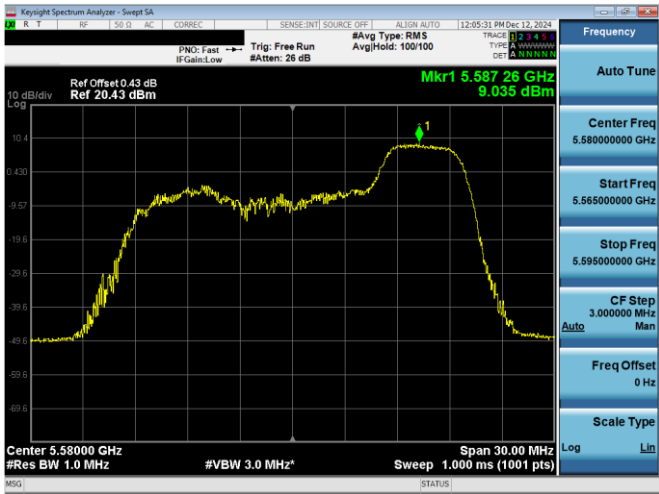
**Table 7-104. Bands 1, 2A, 2C Power Spectral Density Measurements Antenna WF8 (Fully-loaded RU)**

\*TDWR channel is not supported for ISSED (denoted by a \* next to the frequency)

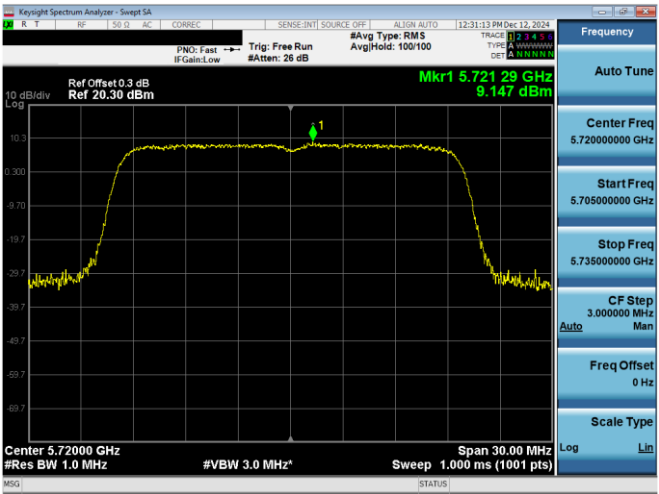
|   |   |                            |                                 |
|---|---|----------------------------|---------------------------------|
| FCC ID: BCGA3266<br>IC: 579C-A3266      |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2410210072-11.BCG | Test Dates:<br>10/25/2024 - 1/2/2025  | EUT Type:<br>Tablet Device | Page 74 of 184                  |

V 10.6 10/27/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact [ct.info@element.com](mailto:ct.info@element.com).



Plot 7-9. PSD Antenna WF8 (20MHz BW 11ax Index 40 – RU52 – Ch.116)



Plot 7-10. PSD Antenna WF8 (20MHz BW 11ax– RU242 – Ch.144)

|   |                                      |                                       |                                 |
|---|--------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA3266<br>IC: 579C-A3266      | element                              | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2410210072-11.BCG | Test Dates:<br>10/25/2024 - 1/2/2025 | EUT Type:<br>Tablet Device            | Page 75 of 184                  |

V 10.6 10/27/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact [ct.info@element.com](mailto:ct.info@element.com).



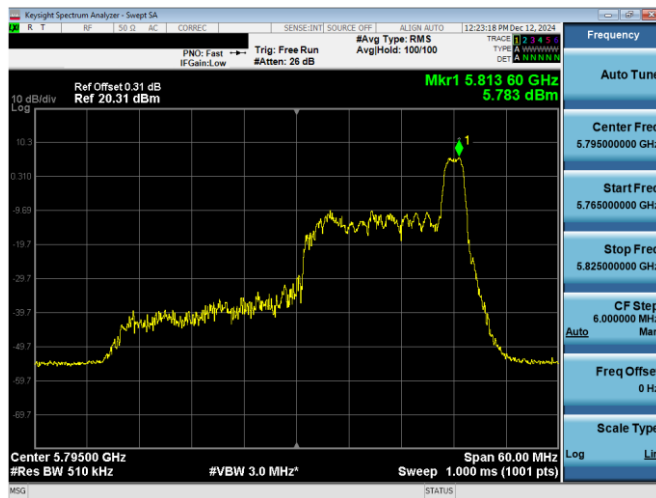
|        | Frequency [MHz] | Channel No. | 802.11 MODE | RU Size | RU Index | Data Rate [Mbps]  | Measured Power Density [dBm/500kHz] | Max Permissible Power Density [dBm/500kHz] | Margin [dB] |
|--------|-----------------|-------------|-------------|---------|----------|-------------------|-------------------------------------|--|-------------|
| Band 3 | 5745            | 149         | ax (20MHz)  | 26      | 0        | 12.5/14.7 (MCS11) | 5.04                                | 30.0                                       | -24.96      |
|        |                 |             |             | 26      | 4        | 12.5/14.7 (MCS11) | 5.07                                | 30.0                                       | -24.93      |
|        |                 |             |             | 26      | 8        | 12.5/14.7 (MCS11) | 5.69                                | 30.0                                       | -24.31      |
|        | 5785            | 157         | ax (20MHz)  | 26      | 0        | 12.5/14.7 (MCS11) | 5.32                                | 30.0                                       | -24.68      |
|        |                 |             |             | 26      | 4        | 12.5/14.7 (MCS11) | 5.23                                | 30.0                                       | -24.77      |
|        |                 |             |             | 26      | 8        | 12.5/14.7 (MCS11) | 5.59                                | 30.0                                       | -24.41      |
|        | 5825            | 165         | ax (20MHz)  | 26      | 0        | 12.5/14.7 (MCS11) | 5.65                                | 30.0                                       | -24.35      |
|        |                 |             |             | 26      | 4        | 12.5/14.7 (MCS11) | 5.63                                | 30.0                                       | -24.37      |
|        |                 |             |             | 26      | 8        | 12.5/14.7 (MCS11) | 5.31                                | 30.0                                       | -24.69      |
|        | 5755            | 151         | ax (40MHz)  | 26      | 0        | 12.5/14.7 (MCS11) | 5.04                                | 30.0                                       | -24.96      |
|        |                 |             |             | 26      | 8        | 12.5/14.7 (MCS11) | 5.32                                | 30.0                                       | -24.68      |
|        |                 |             |             | 26      | 17       | 12.5/14.7 (MCS11) | 5.65                                | 30.0                                       | -24.35      |
|        | 5795            | 159         | ax (40MHz)  | 26      | 0        | 12.5/14.7 (MCS11) | 5.25                                | 30.0                                       | -24.75      |
|        |                 |             |             | 26      | 8        | 12.5/14.7 (MCS11) | 4.91                                | 30.0                                       | -25.09      |
|        |                 |             |             | 26      | 17       | 12.5/14.7 (MCS11) | 5.78                                | 30.0                                       | -24.22      |
|        | 5775            | 155         | ax (80MHz)  | 26      | 0        | 12.5/14.7 (MCS11) | 5.16                                | 30.0                                       | -24.85      |
|        |                 |             |             | 26      | 18       | 12.5/14.7 (MCS11) | 4.76                                | 30.0                                       | -25.25      |
|        |                 |             |             | 26      | 36       | 12.5/14.7 (MCS11) | 5.46                                | 30.0                                       | -24.54      |

Table 7-105. Band 3 Power Spectral Density Measurements Antenna WF8 (RU26)

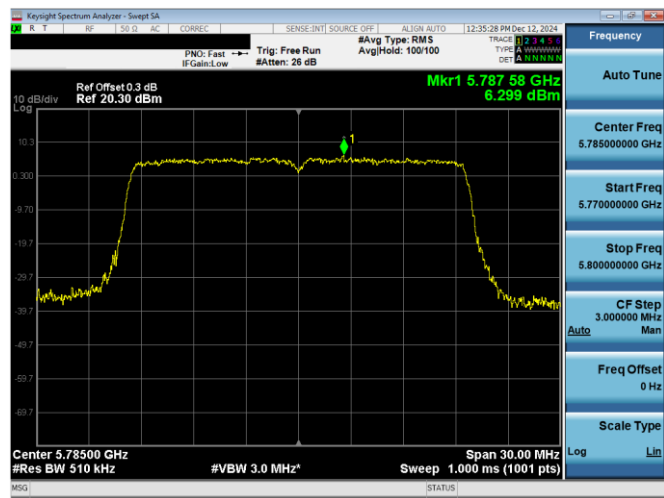
|        | Frequency [MHz] | Channel | 802.11 MODE | RU Size | RU Index | Data Rate [Mbps]    | Measured Power Density [dBm/500kHz] | Max Permissible Power Density [dBm/500kHz] | Margin [dB] |
|--------|-----------------|---------|-------------|---------|----------|---------------------|-------------------------------------|--|-------------|
| Band 3 | 5745            | 149     | ax (20MHz)  | 242     | 61       | 121.9/143.4 (MCS11) | 6.20                                | 30.0                                       | -23.80      |
|        | 5785            | 157     | ax (20MHz)  | 242     | 61       | 121.9/143.4 (MCS11) | 6.30                                | 30.0                                       | -23.70      |
|        | 5825            | 165     | ax (20MHz)  | 242     | 61       | 121.9/143.4 (MCS11) | 6.07                                | 30.0                                       | -23.93      |
|        | 5755            | 151     | ax (40MHz)  | 484     | 65       | 243.8/286.8 (MCS11) | 3.07                                | 30.0                                       | -26.93      |
|        | 5795            | 159     | ax (40MHz)  | 484     | 65       | 243.8/286.8 (MCS11) | 3.00                                | 30.0                                       | -27.00      |
|        | 5775            | 155     | ax (80MHz)  | 996     | 67       | 510.4/600.5 (MCS11) | -3.63                               | 30.0                                       | -33.63      |

Table 7-106. Band 3 Power Spectral Density Measurements Antenna WF8 (Fully-loaded RU)

|   |   |                            |                                 |
|---|---|----------------------------|---------------------------------|
| FCC ID: BCGA3266<br>IC: 579C-A3266      |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2410210072-11.BCG | Test Dates:<br>10/25/2024 - 1/2/2025  | EUT Type:<br>Tablet Device | Page 76 of 184                  |



Plot 7-11. PSD Antenna WF8 (80MHz BW 11ax Index 17 – RU26 – Ch.159



Plot 7-12. PSD Antenna WF8 (20MHz BW 11ax– RU242 – Ch.157)

|   |                                      |                                       |                                 |
|---|--------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA3266<br>IC: 579C-A3266      | element                              | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2410210072-11.BCG | Test Dates:<br>10/25/2024 - 1/2/2025 | EUT Type:<br>Tablet Device            | Page 77 of 184                  |

V 10.6 10/27/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact [ct.info@element.com](mailto:ct.info@element.com).

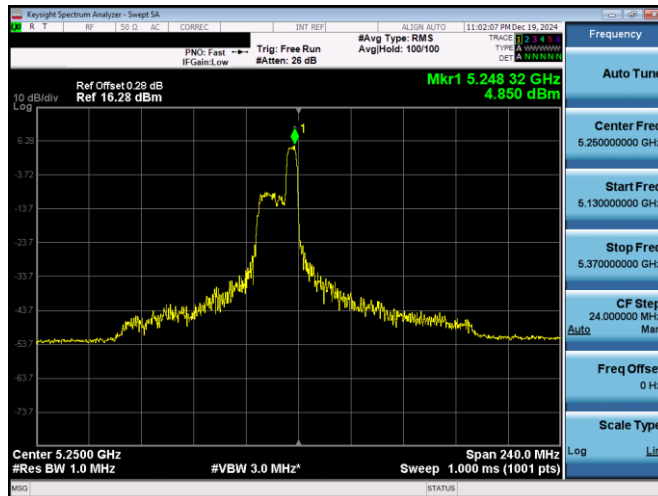
|        | Frequency [MHz] | Channel No. | 802.11 MODE | RU Size | RU Index | Data Rate [Mbps]  | Measured Power Density [dBm/MHz] | Antenna Gain [dBi] | e.i.r.p. Power Density [dBm/MHz] | ISED Max e.i.r.p. Power Density [dBm/MHz] | Margin [dB] |
|--------|-----------------|-------------|-------------|---------|----------|-------------------|----------------------------------|--------------------|----------------------------------|---|-------------|
| Band 1 | 5180            | 36          | ax (20MHz)  | 26      | 0        | 12.5/14.7 (MCS11) | 4.39                             | 1.20               | 5.59                             | 10.0                                      | -4.41       |
|        |                 |             |             | 26      | 4        | 12.5/14.7 (MCS11) | 3.56                             | 1.20               | 4.76                             | 10.0                                      | -5.24       |
|        |                 |             |             | 26      | 8        | 12.5/14.7 (MCS11) | 4.06                             | 1.20               | 5.26                             | 10.0                                      | -4.74       |
|        | 5200            | 40          | ax (20MHz)  | 26      | 0        | 12.5/14.7 (MCS11) | 4.36                             | 1.20               | 5.56                             | 10.0                                      | -4.45       |
|        |                 |             |             | 26      | 4        | 12.5/14.7 (MCS11) | 3.54                             | 1.20               | 4.74                             | 10.0                                      | -5.26       |
|        |                 |             |             | 26      | 8        | 12.5/14.7 (MCS11) | 4.56                             | 1.20               | 5.76                             | 10.0                                      | -4.24       |
|        | 5240            | 48          | ax (20MHz)  | 26      | 0        | 12.5/14.7 (MCS11) | 4.67                             | 1.20               | 5.87                             | 10.0                                      | -4.13       |
|        |                 |             |             | 26      | 4        | 12.5/14.7 (MCS11) | 3.55                             | 1.20               | 4.75                             | 10.0                                      | -5.25       |
|        |                 |             |             | 26      | 8        | 12.5/14.7 (MCS11) | 4.68                             | 1.20               | 5.88                             | 10.0                                      | -4.12       |
|        | 5190            | 38          | ax (40MHz)  | 26      | 0        | 12.5/14.7 (MCS11) | 4.33                             | 1.20               | 5.53                             | 10.0                                      | -4.47       |
|        |                 |             |             | 26      | 8        | 12.5/14.7 (MCS11) | 3.83                             | 1.20               | 5.03                             | 10.0                                      | -4.97       |
|        |                 |             |             | 26      | 17       | 12.5/14.7 (MCS11) | 4.52                             | 1.20               | 5.72                             | 10.0                                      | -4.28       |
|        | 5230            | 46          | ax (40MHz)  | 26      | 0        | 12.5/14.7 (MCS11) | 4.63                             | 1.20               | 5.83                             | 10.0                                      | -4.17       |
|        |                 |             |             | 26      | 8        | 12.5/14.7 (MCS11) | 4.50                             | 1.20               | 5.70                             | 10.0                                      | -4.31       |
|        |                 |             |             | 26      | 17       | 12.5/14.7 (MCS11) | 4.23                             | 1.20               | 5.43                             | 10.0                                      | -4.57       |
|        | 5210            | 42          | ax (80MHz)  | 26      | 0        | 12.5/14.7 (MCS11) | 3.80                             | 1.20               | 5.00                             | 10.0                                      | -5.00       |
|        |                 |             |             | 26      | 18       | 12.5/14.7 (MCS11) | 3.65                             | 1.20               | 4.85                             | 10.0                                      | -5.15       |
|        |                 |             |             | 26      | 36       | 12.5/14.7 (MCS11) | 4.25                             | 1.20               | 5.45                             | 10.0                                      | -4.55       |
|        | 5250            | 50 (L)      | ax (160MHz) | 52      | 37       | 25/29.4 (MCS11)   | 4.80                             | 1.20               | 6.00                             | 10.0                                      | -4.00       |
|        |                 |             |             | 52      | 52       | 25/29.4 (MCS11)   | 4.85                             | 1.20               | 6.05                             | 10.0                                      | -3.95       |

Table 7-107. ISED Band 1 e.i.r.p. Power Spectral Density Measurements Antenna WF8 (RU26/52)

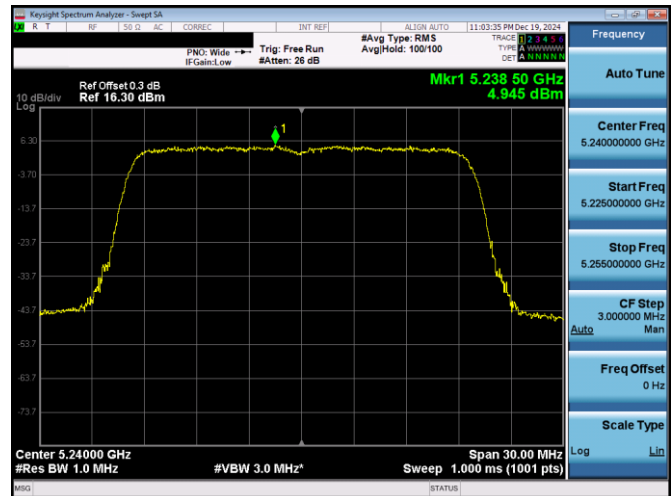
|        | Frequency [MHz] | Channel | 802.11 MODE | RU Size | RU Index | Data Rate [Mbps]    | Measured Power Density [dBm/MHz] | Antenna Gain [dBi] | e.i.r.p. Power Density [dBm/MHz] | ISED Max e.i.r.p. Power Density [dBm/MHz] | Margin [dB] |
|--------|-----------------|---------|-------------|---------|----------|---------------------|----------------------------------|--------------------|----------------------------------|---|-------------|
| Band 1 | 5180            | 36      | ax (20MHz)  | 242     | 61       | 121.9/143.4 (MCS11) | 4.30                             | 1.20               | 5.50                             | 10.0                                      | -4.50       |
|        | 5200            | 40      | ax (20MHz)  | 242     | 61       | 121.9/143.4 (MCS11) | 4.92                             | 1.20               | 6.12                             | 10.0                                      | -3.89       |
|        | 5240            | 48      | ax (20MHz)  | 242     | 61       | 121.9/143.4 (MCS11) | 4.95                             | 1.20               | 6.15                             | 10.0                                      | -3.86       |
|        | 5190            | 38      | ax (40MHz)  | 484     | 65       | 243.8/286.8 (MCS11) | -0.27                            | 1.20               | 0.93                             | 10.0                                      | -9.07       |
|        | 5230            | 46      | ax (40MHz)  | 484     | 65       | 243.8/286.8 (MCS11) | 3.99                             | 1.20               | 5.19                             | 10.0                                      | -4.81       |
|        | 5210            | 42      | ax (80MHz)  | 996     | 67       | 510.4/600.5 (MCS11) | -5.32                            | 1.20               | -4.12                            | 10.0                                      | -14.12      |
|        | 5250            | 50      | ax (160MHz) | 996x2   | 68       | 1020.8/1201 (MCS11) | -8.50                            | 1.20               | -7.30                            | 10.0                                      | -17.30      |

Table 7-108. ISED Band 1 e.i.r.p. Power Spectral Density Measurements Antenna WF8 (Fully-loaded RU)

|   |   |                            |                                 |
|---|---|----------------------------|---------------------------------|
| FCC ID: BCGA3266<br>IC: 579C-A3266      |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2410210072-11.BCG | Test Dates:<br>10/25/2024 - 1/2/2025  | EUT Type:<br>Tablet Device | Page 78 of 184                  |



Plot 7-13. PSD Antenna WF8 (40MHz BW 11ax Index 52 – RU52 – Ch.50)



Plot 7-14. PSD Antenna WF8 (20MHz BW 11ax– RU242 – Ch.48)

|   |   |                                       |                                 |
|---|---|---------------------------------------|---------------------------------|
| FCC ID: BCGA3266<br>IC: 579C-A3266      |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2410210072-11.BCG | Test Dates:<br>10/25/2024 - 1/2/2025  | EUT Type:<br>Tablet Device            | Page 79 of 184                  |

V 10.6 10/27/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact [ct.info@element.com](mailto:ct.info@element.com).

## 7.5.2 Antenna WF7a Power Spectral Density Measurements

|        | Frequency [MHz] | Channel No. | 802.11 MODE | RU Size | RU Index | Data Rate [Mbps]  | Measured Power Density [dBm/MHz] | Max Power Density [dBm/MHz] | Margin [dB] |
|--------|-----------------|-------------|-------------|---------|----------|-------------------|----------------------------------|-----------------------------|-------------|
| Band 1 | 5180            | 36          | ax (20MHz)  | 26      | 0        | 12.5/14.7 (MCS11) | 8.24                             | 11.0                        | -2.77       |
|        |                 |             |             | 26      | 4        | 12.5/14.7 (MCS11) | 7.09                             | 11.0                        | -3.92       |
|        |                 |             |             | 26      | 8        | 12.5/14.7 (MCS11) | 7.81                             | 11.0                        | -3.19       |
|        | 5200            | 40          | ax (20MHz)  | 26      | 0        | 12.5/14.7 (MCS11) | 8.02                             | 11.0                        | -2.98       |
|        |                 |             |             | 26      | 4        | 12.5/14.7 (MCS11) | 7.08                             | 11.0                        | -3.92       |
|        |                 |             |             | 26      | 8        | 12.5/14.7 (MCS11) | 8.00                             | 11.0                        | -3.01       |
|        | 5240            | 48          | ax (20MHz)  | 26      | 0        | 12.5/14.7 (MCS11) | 8.17                             | 11.0                        | -2.83       |
|        |                 |             |             | 26      | 4        | 12.5/14.7 (MCS11) | 8.50                             | 11.0                        | -2.50       |
|        |                 |             |             | 26      | 8        | 12.5/14.7 (MCS11) | 8.56                             | 11.0                        | -2.44       |
|        | 5190            | 38          | ax (40MHz)  | 26      | 0        | 12.5/14.7 (MCS11) | 7.98                             | 11.0                        | -3.02       |
|        |                 |             |             | 26      | 8        | 12.5/14.7 (MCS11) | 8.32                             | 11.0                        | -2.68       |
|        |                 |             |             | 26      | 17       | 12.5/14.7 (MCS11) | 8.56                             | 11.0                        | -2.44       |
|        | 5230            | 46          | ax (40MHz)  | 26      | 0        | 12.5/14.7 (MCS11) | 8.15                             | 11.0                        | -2.85       |
|        |                 |             |             | 26      | 8        | 12.5/14.7 (MCS11) | 8.78                             | 11.0                        | -2.22       |
|        |                 |             |             | 26      | 17       | 12.5/14.7 (MCS11) | 8.55                             | 11.0                        | -2.46       |
|        | 5210            | 42          | ax (80MHz)  | 26      | 0        | 12.5/14.7 (MCS11) | 8.70                             | 11.0                        | -2.30       |
|        |                 |             |             | 26      | 18       | 12.5/14.7 (MCS11) | 7.25                             | 11.0                        | -3.75       |
|        |                 |             |             | 26      | 36       | 12.5/14.7 (MCS11) | 8.16                             | 11.0                        | -2.84       |

Table 7-109. Bands 1 Power Spectral Density Measurements Antenna WF7a (RU26)

|   |   |                                       |                                 |
|---|---|---------------------------------------|---------------------------------|
| FCC ID: BCGA3266<br>IC: 579C-A3266      |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2410210072-11.BCG | Test Dates:<br>10/25/2024 - 1/2/2025  | EUT Type:<br>Tablet Device            | Page 80 of 184                  |

V 10.6 10/27/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact [ct.info@element.com](mailto:ct.info@element.com).

|              | Frequency<br>[MHz] | Channel<br>No. | 802.11<br>MODE | RU Size | RU Index        | Data Rate [Mbps] | Measured Power<br>Density<br>[dBm/MHz] | Max Power<br>Density<br>[dBm/MHz] | Margin<br>[dB] |
|--------------|--------------------|----------------|----------------|---------|-----------------|------------------|--|-----------------------------------|----------------|
| Band<br>1/2A | 5250               | 50 (L)         | ax (160MHz)    | 52      | 37              | 25/29.4 (MCS11)  | 5.10                                   | 11.0                              | -5.90          |
|              |                    | 52             |                | 52      | 25/29.4 (MCS11) | 4.53             | 11.0                                   | -6.47                             |                |
|              |                    | 50 (U)         |                | 52      | 52              | 25/29.4 (MCS11)  | 5.04                                   | 11.0                              | -5.96          |
| Band 2A      | 5260               | 52             | ax (20MHz)     | 52      | 37              | 25/29.4 (MCS11)  | 8.21                                   | 11.0                              | -2.80          |
|              |                    |                |                | 52      | 38              | 25/29.4 (MCS11)  | 8.32                                   | 11.0                              | -2.68          |
|              |                    |                |                | 52      | 40              | 25/29.4 (MCS11)  | 8.38                                   | 11.0                              | -2.62          |
|              | 5280               | 60             | ax (20MHz)     | 52      | 37              | 25/29.4 (MCS11)  | 8.25                                   | 11.0                              | -2.75          |
|              |                    |                |                | 52      | 38              | 25/29.4 (MCS11)  | 8.04                                   | 11.0                              | -2.96          |
|              |                    |                |                | 52      | 40              | 25/29.4 (MCS11)  | 8.13                                   | 11.0                              | -2.88          |
|              | 5320               | 64             | ax (20MHz)     | 52      | 37              | 25/29.4 (MCS11)  | 8.32                                   | 11.0                              | -2.68          |
|              |                    |                |                | 52      | 38              | 25/29.4 (MCS11)  | 8.15                                   | 11.0                              | -2.85          |
|              |                    |                |                | 52      | 40              | 25/29.4 (MCS11)  | 8.37                                   | 11.0                              | -2.63          |
|              | 5270               | 54             | ax (40MHz)     | 52      | 37              | 25/29.4 (MCS11)  | 8.41                                   | 11.0                              | -2.59          |
|              |                    |                |                | 52      | 40              | 25/29.4 (MCS11)  | 9.05                                   | 11.0                              | -1.95          |
|              |                    |                |                | 52      | 44              | 25/29.4 (MCS11)  | 8.03                                   | 11.0                              | -2.97          |
|              | 5310               | 62             | ax (40MHz)     | 52      | 37              | 25/29.4 (MCS11)  | 8.17                                   | 11.0                              | -2.83          |
|              |                    |                |                | 52      | 40              | 25/29.4 (MCS11)  | 8.27                                   | 11.0                              | -2.73          |
|              |                    |                |                | 52      | 44              | 25/29.4 (MCS11)  | 8.22                                   | 11.0                              | -2.78          |
|              | 5290               | 58             | ax (80MHz)     | 52      | 37              | 25/29.4 (MCS11)  | 8.52                                   | 11.0                              | -2.48          |
|              |                    |                |                | 52      | 44              | 25/29.4 (MCS11)  | 7.80                                   | 11.0                              | -3.21          |
|              |                    |                |                | 52      | 52              | 25/29.4 (MCS11)  | 8.41                                   | 11.0                              | -2.60          |
| Band 2C      | 5500               | 100            | ax (20MHz)     | 52      | 37              | 25/29.4 (MCS11)  | 8.63                                   | 11.0                              | -2.37          |
|              |                    |                |                | 52      | 38              | 25/29.4 (MCS11)  | 8.79                                   | 11.0                              | -2.21          |
|              |                    |                |                | 52      | 40              | 25/29.4 (MCS11)  | 8.79                                   | 11.0                              | -2.21          |
|              | 5580               | 116            | ax (20MHz)     | 52      | 37              | 25/29.4 (MCS11)  | 8.50                                   | 11.0                              | -2.50          |
|              |                    |                |                | 52      | 38              | 25/29.4 (MCS11)  | 8.95                                   | 11.0                              | -2.05          |
|              |                    |                |                | 52      | 40              | 25/29.4 (MCS11)  | 8.94                                   | 11.0                              | -2.06          |
|              | 5720               | 144            | ax (20MHz)     | 52      | 37              | 25/29.4 (MCS11)  | 8.57                                   | 11.0                              | -2.43          |
|              |                    |                |                | 52      | 38              | 25/29.4 (MCS11)  | 9.05                                   | 11.0                              | -1.95          |
|              |                    |                |                | 52      | 40              | 25/29.4 (MCS11)  | 9.01                                   | 11.0                              | -2.00          |
|              | 5510               | 102            | ax (40MHz)     | 52      | 37              | 25/29.4 (MCS11)  | 7.83                                   | 11.0                              | -3.17          |
|              |                    |                |                | 52      | 40              | 25/29.4 (MCS11)  | 8.35                                   | 11.0                              | -2.65          |
|              |                    |                |                | 52      | 44              | 25/29.4 (MCS11)  | 7.98                                   | 11.0                              | -3.02          |
|              | 5550               | 110            | ax (40MHz)     | 52      | 37              | 25/29.4 (MCS11)  | 8.88                                   | 11.0                              | -2.12          |
|              |                    |                |                | 52      | 40              | 25/29.4 (MCS11)  | 8.71                                   | 11.0                              | -2.29          |
|              |                    |                |                | 52      | 44              | 25/29.4 (MCS11)  | 9.16                                   | 11.0                              | -1.84          |
|              | *5590              | 118            | ax (40MHz)     | 52      | 37              | 25/29.4 (MCS11)  | 8.82                                   | 11.0                              | -2.18          |
|              |                    |                |                | 52      | 40              | 25/29.4 (MCS11)  | 9.07                                   | 11.0                              | -1.93          |
|              |                    |                |                | 52      | 44              | 25/29.4 (MCS11)  | 8.51                                   | 11.0                              | -2.49          |
|              | 5670               | 134            | ax (40MHz)     | 52      | 37              | 25/29.4 (MCS11)  | 8.86                                   | 11.0                              | -2.14          |
|              |                    |                |                | 52      | 40              | 25/29.4 (MCS11)  | 8.50                                   | 11.0                              | -2.50          |
|              |                    |                |                | 52      | 44              | 25/29.4 (MCS11)  | 8.12                                   | 11.0                              | -2.88          |
|              | 5710               | 142            | ax (40MHz)     | 52      | 37              | 25/29.4 (MCS11)  | 8.44                                   | 11.0                              | -2.56          |
|              |                    |                |                | 52      | 40              | 25/29.4 (MCS11)  | 8.67                                   | 11.0                              | -2.33          |
|              |                    |                |                | 52      | 44              | 25/29.4 (MCS11)  | 8.27                                   | 11.0                              | -2.73          |
|              | 5530               | 106            | ax (80MHz)     | 52      | 37              | 25/29.4 (MCS11)  | 7.49                                   | 11.0                              | -3.51          |
|              |                    |                |                | 52      | 44              | 25/29.4 (MCS11)  | 7.02                                   | 11.0                              | -3.98          |
|              |                    |                |                | 52      | 52              | 25/29.4 (MCS11)  | 7.58                                   | 11.0                              | -3.42          |
|              | *5610              | 122            | ax (80MHz)     | 52      | 37              | 25/29.4 (MCS11)  | 9.35                                   | 11.0                              | -1.65          |
|              |                    |                |                | 52      | 44              | 25/29.4 (MCS11)  | 8.59                                   | 11.0                              | -2.41          |
|              |                    |                |                | 52      | 52              | 25/29.4 (MCS11)  | 8.95                                   | 11.0                              | -2.05          |
|              | 5690               | 138            | ax (80MHz)     | 52      | 37              | 25/29.4 (MCS11)  | 8.88                                   | 11.0                              | -2.12          |
|              |                    |                |                | 52      | 44              | 25/29.4 (MCS11)  | 8.30                                   | 11.0                              | -2.70          |
|              |                    |                |                | 52      | 52              | 25/29.4 (MCS11)  | 8.51                                   | 11.0                              | -2.49          |
|              | *5570              | 114 (L)        | ax (160MHz)    | 52      | 37              | 25/29.4 (MCS11)  | 4.25                                   | 11.0                              | -6.76          |
|              |                    | 114 (U)        |                | 52      | 52              | 25/29.4 (MCS11)  | 3.80                                   | 11.0                              | -7.20          |
|              |                    |                |                | 52      | 52              | 25/29.4 (MCS11)  | 4.52                                   | 11.0                              | -6.48          |

**Table 7-110. Bands 1, 2A, 2C Power Spectral Density Measurements Antenna WF7a (RU52)**

\*TDWR channel is not supported for ISED (denoted by a \* next to the frequency)

|   |   |                                       |                                 |
|---|---|---------------------------------------|---------------------------------|
| FCC ID: BCGA3266<br>IC: 579C-A3266      |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2410210072-11.BCG | Test Dates:<br>10/25/2024 - 1/2/2025  | EUT Type:<br>Tablet Device            | Page 81 of 184                  |

V 10.6 10/27/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact [ct.info@element.com](mailto:ct.info@element.com).

|           | Frequency [MHz] | Channel | 802.11 MODE | RU Size | RU Index | Data Rate [Mbps]    | Measured Power Density [dBm/MHz] | Max Power Density [dBm/MHz] | Margin [dB] |
|-----------|-----------------|---------|-------------|---------|----------|---------------------|----------------------------------|-----------------------------|-------------|
| Band 1    | 5180            | 36      | ax (20MHz)  | 242     | 61       | 121.9/143.4 (MCS11) | 3.97                             | 11.0                        | -7.03       |
|           | 5200            | 40      | ax (20MHz)  | 242     | 61       | 121.9/143.4 (MCS11) | 8.41                             | 11.0                        | -2.59       |
|           | 5240            | 48      | ax (20MHz)  | 242     | 61       | 121.9/143.4 (MCS11) | 8.77                             | 11.0                        | -2.23       |
|           | 5190            | 38      | ax (40MHz)  | 484     | 65       | 243.8/286.8 (MCS11) | -0.87                            | 11.0                        | -11.87      |
|           | 5230            | 46      | ax (40MHz)  | 484     | 65       | 243.8/286.8 (MCS11) | 4.83                             | 11.0                        | -6.17       |
|           | 5210            | 42      | ax (80MHz)  | 996     | 67       | 510.4/600.5 (MCS11) | -5.34                            | 11.0                        | -16.34      |
| Band 1/2A | 5250            | 50      | ax (160MHz) | 996x2   | 68       | 1020.8/1201 (MCS11) | -9.27                            | 11.0                        | -20.27      |
| Band 2A   | 5260            | 52      | ax (20MHz)  | 242     | 61       | 121.9/143.4 (MCS11) | 8.86                             | 11.0                        | -2.14       |
|           | 5280            | 60      | ax (20MHz)  | 242     | 61       | 121.9/143.4 (MCS11) | 9.07                             | 11.0                        | -1.93       |
|           | 5320            | 64      | ax (20MHz)  | 242     | 61       | 121.9/143.4 (MCS11) | 4.31                             | 11.0                        | -6.69       |
|           | 5270            | 54      | ax (40MHz)  | 484     | 65       | 243.8/286.8 (MCS11) | 5.73                             | 11.0                        | -5.27       |
|           | 5310            | 62      | ax (40MHz)  | 484     | 65       | 243.8/286.8 (MCS11) | 0.98                             | 11.0                        | -10.02      |
|           | 5290            | 58      | ax (80MHz)  | 996     | 67       | 510.4/600.5 (MCS11) | -1.80                            | 11.0                        | -12.80      |
| Band 2C   | 5500            | 100     | ax (20MHz)  | 242     | 61       | 121.9/143.4 (MCS11) | 3.48                             | 11.0                        | -7.52       |
|           | 5580            | 116     | ax (20MHz)  | 242     | 61       | 121.9/143.4 (MCS11) | 9.18                             | 11.0                        | -1.82       |
|           | 5720            | 144     | ax (20MHz)  | 242     | 61       | 121.9/143.4 (MCS11) | 8.77                             | 11.0                        | -2.23       |
|           | 5510            | 102     | ax (40MHz)  | 484     | 65       | 243.8/286.8 (MCS11) | -0.66                            | 11.0                        | -11.66      |
|           | 5550            | 110     | ax (40MHz)  | 484     | 65       | 243.8/286.8 (MCS11) | 4.97                             | 11.0                        | -6.03       |
|           | *5590           | 118     | ax (40MHz)  | 484     | 65       | 243.8/286.8 (MCS11) | 6.26                             | 11.0                        | -4.74       |
|           | 5710            | 142     | ax (40MHz)  | 484     | 65       | 243.8/286.8 (MCS11) | 6.05                             | 11.0                        | -4.95       |
|           | 5530            | 106     | ax (80MHz)  | 996     | 67       | 510.4/600.5 (MCS11) | -4.12                            | 11.0                        | -15.12      |
|           | *5610           | 122     | ax (80MHz)  | 996     | 67       | 510.4/600.5 (MCS11) | 0.50                             | 11.0                        | -10.50      |
|           | 5690            | 138     | ax (80MHz)  | 996     | 67       | 510.4/600.5 (MCS11) | 3.39                             | 11.0                        | -7.62       |
|           | *5570           | 114     | ax (160MHz) | 996x2   | 68       | 1020.8/1201 (MCS11) | -9.55                            | 11.0                        | -20.55      |

**Table 7-111. Bands 1, 2A, 2C Power Spectral Density Measurements Antenna WF7a (Fully-loaded RU)**

\*TDWR channel is not supported for ISED (denoted by a \* next to the frequency)

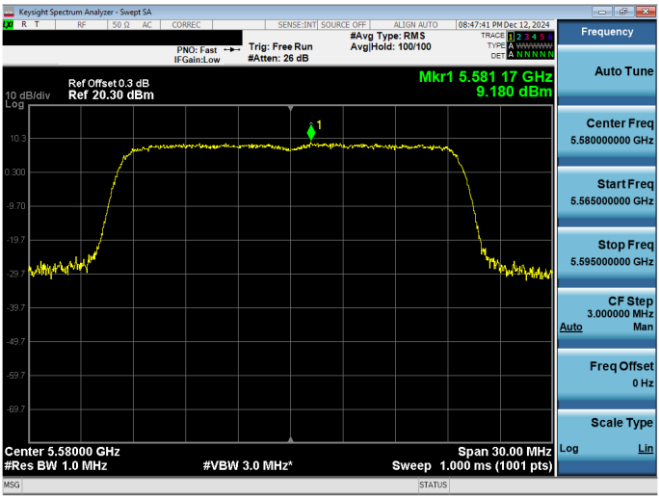
|   |   |                                       |                                 |
|---|---|---------------------------------------|---------------------------------|
| FCC ID: BCGA3266<br>IC: 579C-A3266      |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2410210072-11.BCG | Test Dates:<br>10/25/2024 - 1/2/2025  | EUT Type:<br>Tablet Device            | Page 82 of 184                  |

V 10.6 10/27/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact [ct.info@element.com](mailto:ct.info@element.com).



Plot 7-15. PSD Antenna WF7a (80MHz BW 11ax Index37 – RU52 – Ch.122)



Plot 7-16. PSD Antenna WF7a (20MHz BW 11ax– RU242 – Ch.116)

|   |                                      |                                       |                                 |
|---|--------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA3266<br>IC: 579C-A3266      | element                              | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2410210072-11.BCG | Test Dates:<br>10/25/2024 - 1/2/2025 | EUT Type:<br>Tablet Device            | Page 83 of 184                  |

V 10.6 10/27/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact [ct.info@element.com](mailto:ct.info@element.com).



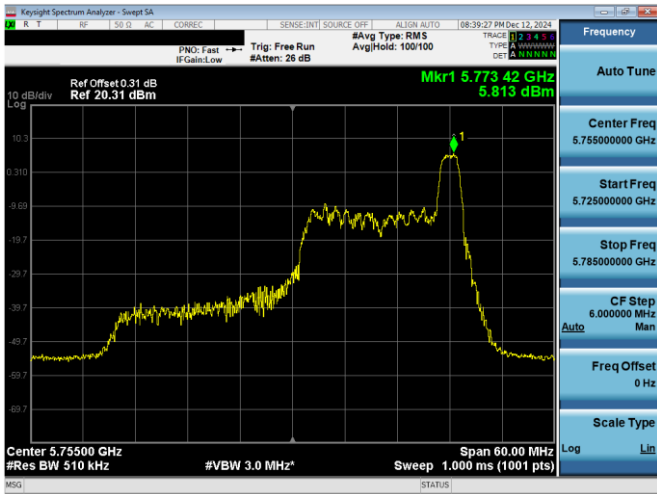
|        | Frequency [MHz] | Channel No. | 802.11 MODE | RU Size | RU Index | Data Rate [Mbps]  | Measured Power Density [dBm/500kHz] | Max Permissible Power Density [dBm/500kHz] | Margin [dB] |
|--------|-----------------|-------------|-------------|---------|----------|-------------------|-------------------------------------|--|-------------|
| Band 3 | 5745            | 149         | ax (20MHz)  | 26      | 0        | 12.5/14.7 (MCS11) | 5.78                                | 30.0                                       | -24.22      |
|        |                 |             |             | 26      | 4        | 12.5/14.7 (MCS11) | 5.69                                | 30.0                                       | -24.31      |
|        |                 |             |             | 26      | 8        | 12.5/14.7 (MCS11) | 5.35                                | 30.0                                       | -24.65      |
|        | 5785            | 157         | ax (20MHz)  | 26      | 0        | 12.5/14.7 (MCS11) | 5.73                                | 30.0                                       | -24.27      |
|        |                 |             |             | 26      | 4        | 12.5/14.7 (MCS11) | 5.43                                | 30.0                                       | -24.57      |
|        |                 |             |             | 26      | 8        | 12.5/14.7 (MCS11) | 4.95                                | 30.0                                       | -25.05      |
|        | 5825            | 165         | ax (20MHz)  | 26      | 0        | 12.5/14.7 (MCS11) | 5.59                                | 30.0                                       | -24.41      |
|        |                 |             |             | 26      | 4        | 12.5/14.7 (MCS11) | 5.46                                | 30.0                                       | -24.54      |
|        |                 |             |             | 26      | 8        | 12.5/14.7 (MCS11) | 5.27                                | 30.0                                       | -24.73      |
|        | 5755            | 151         | ax (40MHz)  | 26      | 0        | 12.5/14.7 (MCS11) | 5.17                                | 30.0                                       | -24.83      |
|        |                 |             |             | 26      | 8        | 12.5/14.7 (MCS11) | 5.51                                | 30.0                                       | -24.49      |
|        |                 |             |             | 26      | 17       | 12.5/14.7 (MCS11) | 5.81                                | 30.0                                       | -24.19      |
|        | 5795            | 159         | ax (40MHz)  | 26      | 0        | 12.5/14.7 (MCS11) | 5.74                                | 30.0                                       | -24.26      |
|        |                 |             |             | 26      | 8        | 12.5/14.7 (MCS11) | 5.41                                | 30.0                                       | -24.59      |
|        |                 |             |             | 26      | 17       | 12.5/14.7 (MCS11) | 5.64                                | 30.0                                       | -24.36      |
|        | 5775            | 155         | ax (80MHz)  | 26      | 0        | 12.5/14.7 (MCS11) | 5.39                                | 30.0                                       | -24.61      |
|        |                 |             |             | 26      | 18       | 12.5/14.7 (MCS11) | 4.90                                | 30.0                                       | -25.10      |
|        |                 |             |             | 26      | 36       | 12.5/14.7 (MCS11) | 5.62                                | 30.0                                       | -24.38      |

Table 7-112. Band 3 Power Spectral Density Measurements Antenna WF7a (RU26)

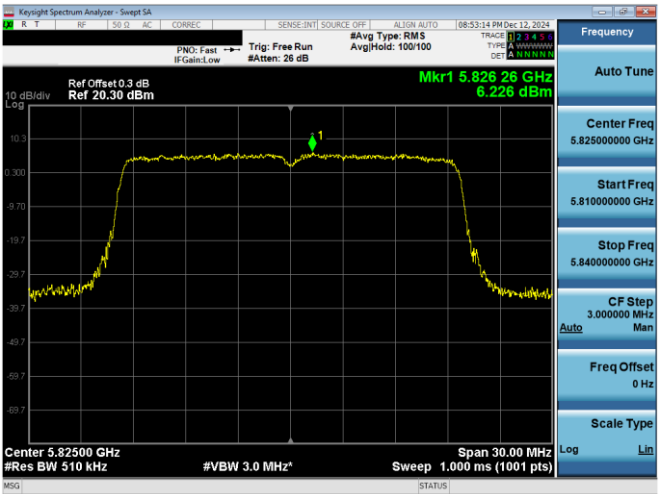
|        | Frequency [MHz] | Channel | 802.11 MODE | RU Size | RU Index | Data Rate [Mbps]    | Measured Power Density [dBm/500kHz] | Max Permissible Power Density [dBm/500kHz] | Margin [dB] |
|--------|-----------------|---------|-------------|---------|----------|---------------------|-------------------------------------|--|-------------|
| Band 3 | 5745            | 149     | ax (20MHz)  | 242     | 61       | 121.9/143.4 (MCS11) | 5.60                                | 30.0                                       | -24.40      |
|        | 5785            | 157     | ax (20MHz)  | 242     | 61       | 121.9/143.4 (MCS11) | 6.16                                | 30.0                                       | -23.84      |
|        | 5825            | 165     | ax (20MHz)  | 242     | 61       | 121.9/143.4 (MCS11) | 6.23                                | 30.0                                       | -23.77      |
|        | 5755            | 151     | ax (40MHz)  | 484     | 65       | 243.8/286.8 (MCS11) | 2.97                                | 30.0                                       | -27.03      |
|        | 5795            | 159     | ax (40MHz)  | 484     | 65       | 243.8/286.8 (MCS11) | 3.09                                | 30.0                                       | -26.91      |
|        | 5775            | 155     | ax (80MHz)  | 996     | 67       | 510.4/600.5 (MCS11) | -3.83                               | 30.0                                       | -33.83      |

Table 7-113. Band 3 Power Spectral Density Measurements Antenna WF7a (Fully-loaded RU)

|   |   |                            |                                 |
|---|---|----------------------------|---------------------------------|
| FCC ID: BCGA3266<br>IC: 579C-A3266      |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2410210072-11.BCG | Test Dates:<br>10/25/2024 - 1/2/2025  | EUT Type:<br>Tablet Device | Page 84 of 184                  |



Plot 7-17. PSD Antenna WF7a (40MHz BW 11ax Index 17 – RU26 – Ch.151)



Plot 7-18. PSD Antenna WF7a (20MHz BW 11ax– RU242 – Ch.165)

|   |                                      |                                       |                                 |
|---|--------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA3266<br>IC: 579C-A3266      | element                              | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2410210072-11.BCG | Test Dates:<br>10/25/2024 - 1/2/2025 | EUT Type:<br>Tablet Device            | Page 85 of 184                  |

|        | Frequency [MHz] | Channel No. | 802.11 MODE | RU Size | RU Index | Data Rate [Mbps]  | Measured Power Density [dBm/MHz] | Antenna Gain [dBi] | e.i.r.p. Power Density [dBm/MHz] | ISED Max e.i.r.p. Power Density [dBm/MHz] | Margin [dB] |
|--------|-----------------|-------------|-------------|---------|----------|-------------------|----------------------------------|--------------------|----------------------------------|---|-------------|
| Band 1 | 5180            | 36          | ax (20MHz)  | 26      | 0        | 12.5/14.7 (MCS11) | 4.54                             | 3.50               | 8.04                             | 10.0                                      | -1.96       |
|        |                 |             |             | 26      | 4        | 12.5/14.7 (MCS11) | 3.82                             | 3.50               | 7.32                             | 10.0                                      | -2.68       |
|        |                 |             |             | 26      | 8        | 12.5/14.7 (MCS11) | 4.57                             | 3.50               | 8.07                             | 10.0                                      | -1.93       |
|        | 5200            | 40          | ax (20MHz)  | 26      | 0        | 12.5/14.7 (MCS11) | 5.08                             | 3.50               | 8.58                             | 10.0                                      | -1.42       |
|        |                 |             |             | 26      | 4        | 12.5/14.7 (MCS11) | 4.32                             | 3.50               | 7.82                             | 10.0                                      | -2.18       |
|        |                 |             |             | 26      | 8        | 12.5/14.7 (MCS11) | 5.15                             | 3.50               | 8.65                             | 10.0                                      | -1.35       |
|        | 5240            | 48          | ax (20MHz)  | 26      | 0        | 12.5/14.7 (MCS11) | 4.87                             | 3.50               | 8.37                             | 10.0                                      | -1.64       |
|        |                 |             |             | 26      | 4        | 12.5/14.7 (MCS11) | 4.01                             | 3.50               | 7.51                             | 10.0                                      | -2.49       |
|        |                 |             |             | 26      | 8        | 12.5/14.7 (MCS11) | 4.59                             | 3.50               | 8.09                             | 10.0                                      | -1.91       |
|        | 5190            | 38          | ax (40MHz)  | 26      | 0        | 12.5/14.7 (MCS11) | 4.75                             | 3.50               | 8.25                             | 10.0                                      | -1.75       |
|        |                 |             |             | 26      | 8        | 12.5/14.7 (MCS11) | 4.87                             | 3.50               | 8.37                             | 10.0                                      | -1.63       |
|        |                 |             |             | 26      | 17       | 12.5/14.7 (MCS11) | 5.07                             | 3.50               | 8.57                             | 10.0                                      | -1.43       |
|        | 5230            | 46          | ax (40MHz)  | 26      | 0        | 12.5/14.7 (MCS11) | 4.53                             | 3.50               | 8.03                             | 10.0                                      | -1.97       |
|        |                 |             |             | 26      | 8        | 12.5/14.7 (MCS11) | 4.63                             | 3.50               | 8.13                             | 10.0                                      | -1.87       |
|        |                 |             |             | 26      | 17       | 12.5/14.7 (MCS11) | 4.34                             | 3.50               | 7.84                             | 10.0                                      | -2.16       |
|        | 5210            | 42          | ax (80MHz)  | 26      | 0        | 12.5/14.7 (MCS11) | 4.38                             | 3.50               | 7.88                             | 10.0                                      | -2.12       |
|        |                 |             |             | 26      | 18       | 12.5/14.7 (MCS11) | 3.02                             | 3.50               | 6.52                             | 10.0                                      | -3.49       |
|        |                 |             |             | 26      | 36       | 12.5/14.7 (MCS11) | 4.56                             | 3.50               | 8.06                             | 10.0                                      | -1.94       |
|        | 5250            | 50 (L)      | ax (160MHz) | 52      | 37       | 25/29.4 (MCS11)   | 4.98                             | 3.50               | 8.48                             | 10.0                                      | -1.52       |
|        |                 |             |             | 52      | 52       | 25/29.4 (MCS11)   | 5.21                             | 3.50               | 8.71                             | 10.0                                      | -1.29       |

**Table 7-114. ISED Band 1 e.i.r.p. Power Spectral Density Measurements Antenna WF7a (RU26/52)**

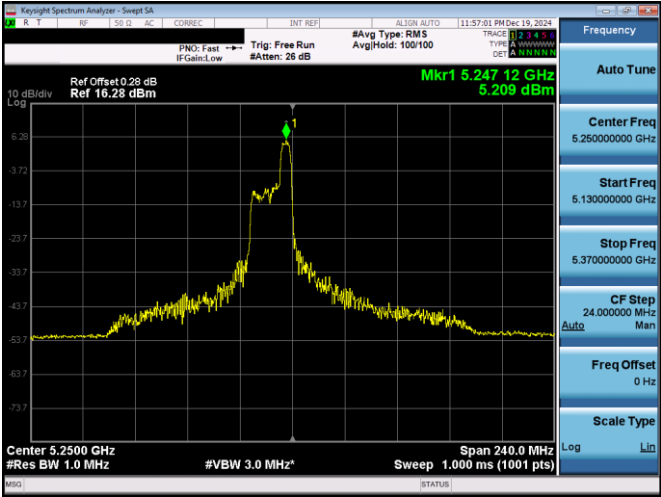
|        | Frequency [MHz] | Channel | 802.11 MODE | RU Size | RU Index | Data Rate [Mbps]    | Measured Power Density [dBm/MHz] | Antenna Gain [dBi] | e.i.r.p. Power Density [dBm/MHz] | ISED Max e.i.r.p. Power Density [dBm/MHz] | Margin [dB] |
|--------|-----------------|---------|-------------|---------|----------|---------------------|----------------------------------|--------------------|----------------------------------|---|-------------|
| Band 1 | 5180            | 36      | ax (20MHz)  | 242     | 61       | 121.9/143.4 (MCS11) | 5.05                             | 3.50               | 8.55                             | 10.0                                      | -1.45       |
|        | 5200            | 40      | ax (20MHz)  | 242     | 61       | 121.9/143.4 (MCS11) | 5.67                             | 3.50               | 9.17                             | 10.0                                      | -0.83       |
|        | 5240            | 48      | ax (20MHz)  | 242     | 61       | 121.9/143.4 (MCS11) | 5.30                             | 3.50               | 8.80                             | 10.0                                      | -1.20       |
|        | 5190            | 38      | ax (40MHz)  | 484     | 65       | 243.8/286.8 (MCS11) | -0.09                            | 3.50               | 3.41                             | 10.0                                      | -6.59       |
|        | 5230            | 46      | ax (40MHz)  | 484     | 65       | 243.8/286.8 (MCS11) | 4.42                             | 3.50               | 7.92                             | 10.0                                      | -2.08       |
|        | 5210            | 42      | ax (80MHz)  | 996     | 67       | 510.4/600.5 (MCS11) | -4.94                            | 3.50               | -1.44                            | 10.0                                      | -11.44      |
|        | 5250            | 50      | ax (160MHz) | 996x2   | 68       | 1020.8/1201 (MCS11) | -8.45                            | 3.50               | -4.95                            | 10.0                                      | -14.95      |

**Table 7-115. ISED Band 1 e.i.r.p. Power Spectral Density Measurements Antenna WF7a (Fully-loaded RU)**

|   |   |                            |                                 |
|---|---|----------------------------|---------------------------------|
| FCC ID: BCGA3266<br>IC: 579C-A3266      |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2410210072-11.BCG | Test Dates:<br>10/25/2024 - 1/2/2025  | EUT Type:<br>Tablet Device | Page 86 of 184                  |

V 10.6 10/27/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact [ct.info@element.com](mailto:ct.info@element.com).



Plot 7-19. PSD Antenna WF7a (160MHz BW 11ax Index 52 – RU52 – Ch.50)



Plot 7-20. PSD Antenna WF7a (20MHz BW 11ax– RU242 – Ch.40)

|   |                                      |                                       |                                 |
|---|--------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA3266<br>IC: 579C-A3266      | element                              | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2410210072-11.BCG | Test Dates:<br>10/25/2024 - 1/2/2025 | EUT Type:<br>Tablet Device            | Page 87 of 184                  |

V 10.6 10/27/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact [ct.info@element.com](mailto:ct.info@element.com).

### 7.5.3 Summed CDD/SDM Power Spectral Density Measurements

|        | Frequency [MHz] | Channel No. | 802.11 MODE | Mode | RU Size | RU Index | Data Rate [Mbps] | Antenna WF8 Power Density [dBm/MHz] | Antenna WF7a Power Density [dBm/MHz] | Summed Power Density [dBm/MHz] | Max Power Density [dBm/MHz] | Margin [dB] |
|--------|-----------------|-------------|-------------|------|---------|----------|------------------|-------------------------------------|--------------------------------------|--------------------------------|-----------------------------|-------------|
| Band 1 | 5180            | 36          | ax (20MHz)  | CDD  | 26      | 0        | 25/29.4 (MCS11)  | 5.09                                | 6.28                                 | 8.74                           | 11.0                        | -2.26       |
|        |                 |             |             |      | 26      | 4        | 25/29.4 (MCS11)  | 4.27                                | 4.68                                 | 7.49                           | 11.0                        | -3.51       |
|        |                 |             |             |      | 26      | 8        | 25/29.4 (MCS11)  | 5.28                                | 5.24                                 | 8.27                           | 11.0                        | -2.73       |
|        | 5200            | 40          | ax (20MHz)  | CDD  | 26      | 0        | 25/29.4 (MCS11)  | 5.14                                | 5.29                                 | 8.23                           | 11.0                        | -2.77       |
|        |                 |             |             |      | 26      | 4        | 25/29.4 (MCS11)  | 4.20                                | 4.45                                 | 7.34                           | 11.0                        | -3.66       |
|        |                 |             |             |      | 26      | 8        | 25/29.4 (MCS11)  | 5.36                                | 5.19                                 | 8.29                           | 11.0                        | -2.71       |
|        | 5240            | 48          | ax (20MHz)  | CDD  | 26      | 0        | 25/29.4 (MCS11)  | 5.83                                | 6.23                                 | 9.05                           | 11.0                        | -1.95       |
|        |                 |             |             |      | 26      | 4        | 25/29.4 (MCS11)  | 5.25                                | 4.86                                 | 8.07                           | 11.0                        | -2.93       |
|        |                 |             |             |      | 26      | 8        | 25/29.4 (MCS11)  | 5.79                                | 5.61                                 | 8.71                           | 11.0                        | -2.29       |
|        | 5190            | 38          | ax (40MHz)  | CDD  | 26      | 0        | 25/29.4 (MCS11)  | 5.31                                | 5.37                                 | 8.35                           | 11.0                        | -2.65       |
|        |                 |             |             |      | 26      | 8        | 25/29.4 (MCS11)  | 5.38                                | 5.46                                 | 8.43                           | 11.0                        | -2.57       |
|        |                 |             |             |      | 26      | 17       | 25/29.4 (MCS11)  | 5.66                                | 5.46                                 | 8.57                           | 11.0                        | -2.43       |
|        | 5230            | 46          | ax (40MHz)  | CDD  | 26      | 0        | 25/29.4 (MCS11)  | 5.44                                | 6.02                                 | 8.75                           | 11.0                        | -2.25       |
|        |                 |             |             |      | 26      | 8        | 25/29.4 (MCS11)  | 5.54                                | 6.01                                 | 8.79                           | 11.0                        | -2.21       |
|        |                 |             |             |      | 26      | 17       | 25/29.4 (MCS11)  | 5.94                                | 5.77                                 | 8.86                           | 11.0                        | -2.14       |
|        | 5210            | 42          | ax (80MHz)  | CDD  | 26      | 0        | 25/29.4 (MCS11)  | 5.11                                | 5.24                                 | 8.19                           | 11.0                        | -2.81       |
|        |                 |             |             |      | 26      | 18       | 25/29.4 (MCS11)  | 4.50                                | 4.44                                 | 7.48                           | 11.0                        | -3.52       |
|        |                 |             |             |      | 26      | 36       | 25/29.4 (MCS11)  | 5.64                                | 5.31                                 | 8.49                           | 11.0                        | -2.51       |

Table 7-116. Bands 1 Power Spectral Density Measurements CDD (RU26)

|   |   |                                       |                                 |
|---|---|---------------------------------------|---------------------------------|
| FCC ID: BCGA3266<br>IC: 579C-A3266      |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2410210072-11.BCG | Test Dates:<br>10/25/2024 - 1/2/2025  | EUT Type:<br>Tablet Device            | Page 88 of 184                  |

V 10.6 10/27/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact [ct.info@element.com](mailto:ct.info@element.com).

|           | Frequency [MHz] | Channel No. | 802.11 MODE | Mode | RU Size | RU Index | Data Rate [Mbps] | Antenna WF8 Power Density [dBm/MHz] | Antenna WF7a Power Density [dBm/MHz] | Summed Power Density [dBm/MHz] | Max Power Density [dBm/MHz] | Margin [dB] |
|-----------|-----------------|-------------|-------------|------|---------|----------|------------------|-------------------------------------|--------------------------------------|--------------------------------|-----------------------------|-------------|
| Band 1/2A | 5250            | 50 (L)      | ax (160MHz) | CDD  | 52      | 37       | 50/58.8 (MCS11)  | 3.04                                | 3.46                                 | 6.27                           | 11.0                        | -4.73       |
|           |                 | 50 (U)      |             |      | 52      | 52       | 50/58.8 (MCS11)  | 3.41                                | 3.55                                 | 6.49                           | 11.0                        | -4.51       |
| Band 2A   | 5260            | 52          | ax (20MHz)  | CDD  | 52      | 37       | 50/58.8 (MCS11)  | 3.13                                | 3.77                                 | 6.47                           | 11.0                        | -4.53       |
|           |                 |             |             |      | 52      | 37       | 50/58.8 (MCS11)  | 5.39                                | 6.53                                 | 9.01                           | 11.0                        | -1.99       |
|           |                 |             |             |      | 52      | 38       | 50/58.8 (MCS11)  | 5.52                                | 6.86                                 | 9.25                           | 11.0                        | -1.75       |
|           | 5280            | 60          | ax (20MHz)  | CDD  | 52      | 40       | 50/58.8 (MCS11)  | 5.64                                | 6.28                                 | 8.98                           | 11.0                        | -2.02       |
|           |                 |             |             |      | 52      | 37       | 50/58.8 (MCS11)  | 5.78                                | 6.22                                 | 9.02                           | 11.0                        | -1.98       |
|           |                 |             |             |      | 52      | 38       | 50/58.8 (MCS11)  | 5.65                                | 6.54                                 | 9.13                           | 11.0                        | -1.87       |
|           | 5320            | 64          | ax (20MHz)  | CDD  | 52      | 40       | 50/58.8 (MCS11)  | 5.92                                | 6.18                                 | 9.06                           | 11.0                        | -1.94       |
|           |                 |             |             |      | 52      | 37       | 50/58.8 (MCS11)  | 5.80                                | 5.98                                 | 8.90                           | 11.0                        | -2.10       |
|           |                 |             |             |      | 52      | 38       | 50/58.8 (MCS11)  | 5.65                                | 6.38                                 | 9.04                           | 11.0                        | -1.96       |
|           | 5310            | 62          | ax (40MHz)  | CDD  | 52      | 40       | 50/58.8 (MCS11)  | 5.68                                | 6.22                                 | 8.97                           | 11.0                        | -2.03       |
|           |                 |             |             |      | 52      | 37       | 50/58.8 (MCS11)  | 5.51                                | 5.74                                 | 8.64                           | 11.0                        | -2.36       |
|           |                 |             |             |      | 52      | 40       | 50/58.8 (MCS11)  | 5.86                                | 6.45                                 | 9.17                           | 11.0                        | -1.83       |
|           | 5290            | 58          | ax (80MHz)  | CDD  | 52      | 44       | 50/58.8 (MCS11)  | 5.43                                | 5.50                                 | 8.48                           | 11.0                        | -2.52       |
|           |                 |             |             |      | 52      | 37       | 50/58.8 (MCS11)  | 5.27                                | 5.95                                 | 8.63                           | 11.0                        | -2.37       |
|           |                 |             |             |      | 52      | 40       | 50/58.8 (MCS11)  | 6.05                                | 6.31                                 | 9.19                           | 11.0                        | -1.81       |
| Band 2C   | 5500            | 100         | ax (20MHz)  | SDM  | 52      | 44       | 50/58.8 (MCS11)  | 4.99                                | 6.04                                 | 8.56                           | 11.0                        | -2.44       |
|           |                 |             |             |      | 52      | 37       | 50/58.8 (MCS11)  | 5.87                                | 5.97                                 | 8.93                           | 11.0                        | -2.07       |
|           |                 |             |             |      | 52      | 44       | 50/58.8 (MCS11)  | 5.09                                | 5.74                                 | 8.44                           | 11.0                        | -2.56       |
|           | 5580            | 116         | ax (20MHz)  | SDM  | 52      | 52       | 50/58.8 (MCS11)  | 5.10                                | 6.28                                 | 8.74                           | 11.0                        | -2.26       |
|           |                 |             |             |      | 52      | 37       | 50/58.8 (MCS11)  | 6.20                                | 6.23                                 | 9.22                           | 11.0                        | -1.78       |
|           |                 |             |             |      | 52      | 38       | 50/58.8 (MCS11)  | 6.29                                | 6.30                                 | 9.31                           | 11.0                        | -1.69       |
|           | 5720            | 144         | ax (20MHz)  | SDM  | 52      | 40       | 50/58.8 (MCS11)  | 5.94                                | 6.22                                 | 9.09                           | 11.0                        | -1.91       |
|           |                 |             |             |      | 52      | 37       | 50/58.8 (MCS11)  | 5.97                                | 6.39                                 | 9.19                           | 11.0                        | -1.81       |
|           |                 |             |             |      | 52      | 38       | 50/58.8 (MCS11)  | 5.95                                | 6.27                                 | 9.12                           | 11.0                        | -1.88       |
|           | 5510            | 102         | ax (40MHz)  | SDM  | 52      | 40       | 50/58.8 (MCS11)  | 6.44                                | 6.41                                 | 9.44                           | 11.0                        | -1.56       |
|           |                 |             |             |      | 52      | 37       | 50/58.8 (MCS11)  | 5.72                                | 6.49                                 | 9.13                           | 11.0                        | -1.87       |
|           |                 |             |             |      | 52      | 38       | 50/58.8 (MCS11)  | 6.01                                | 6.37                                 | 9.21                           | 11.0                        | -1.79       |
|           | 5550            | 110         | ax (40MHz)  | SDM  | 52      | 40       | 50/58.8 (MCS11)  | 6.53                                | 6.46                                 | 9.51                           | 11.0                        | -1.49       |
|           |                 |             |             |      | 52      | 37       | 50/58.8 (MCS11)  | 5.82                                | 6.29                                 | 9.07                           | 11.0                        | -1.93       |
|           |                 |             |             |      | 52      | 40       | 50/58.8 (MCS11)  | 5.98                                | 6.17                                 | 9.09                           | 11.0                        | -1.91       |
|           | *5590           | 118         | ax (40MHz)  | SDM  | 52      | 44       | 50/58.8 (MCS11)  | 5.29                                | 6.39                                 | 8.88                           | 11.0                        | -2.12       |
|           |                 |             |             |      | 52      | 37       | 50/58.8 (MCS11)  | 6.15                                | 5.63                                 | 8.91                           | 11.0                        | -2.09       |
|           |                 |             |             |      | 52      | 40       | 50/58.8 (MCS11)  | 6.04                                | 6.33                                 | 9.20                           | 11.0                        | -1.80       |
|           | 5670            | 134         | ax (40MHz)  | SDM  | 52      | 44       | 50/58.8 (MCS11)  | 6.19                                | 5.82                                 | 9.02                           | 11.0                        | -1.98       |
|           |                 |             |             |      | 52      | 37       | 50/58.8 (MCS11)  | 5.73                                | 6.72                                 | 9.26                           | 11.0                        | -1.74       |
|           |                 |             |             |      | 52      | 40       | 50/58.8 (MCS11)  | 6.10                                | 6.11                                 | 9.12                           | 11.0                        | -1.88       |
|           | 5710            | 142         | ax (40MHz)  | SDM  | 52      | 44       | 50/58.8 (MCS11)  | 6.18                                | 6.43                                 | 9.31                           | 11.0                        | -1.69       |
|           |                 |             |             |      | 52      | 37       | 50/58.8 (MCS11)  | 6.39                                | 6.33                                 | 9.37                           | 11.0                        | -1.63       |
|           |                 |             |             |      | 52      | 40       | 50/58.8 (MCS11)  | 5.84                                | 6.21                                 | 9.04                           | 11.0                        | -1.96       |
|           | 5530            | 106         | ax (80MHz)  | SDM  | 52      | 44       | 50/58.8 (MCS11)  | 6.40                                | 6.21                                 | 9.32                           | 11.0                        | -1.68       |
|           |                 |             |             |      | 52      | 37       | 50/58.8 (MCS11)  | 6.11                                | 6.13                                 | 9.13                           | 11.0                        | -1.87       |
|           |                 |             |             |      | 52      | 40       | 50/58.8 (MCS11)  | 5.94                                | 6.03                                 | 9.00                           | 11.0                        | -2.00       |
|           | *5610           | 122         | ax (80MHz)  | SDM  | 52      | 44       | 50/58.8 (MCS11)  | 5.96                                | 6.64                                 | 9.32                           | 11.0                        | -1.68       |
|           |                 |             |             |      | 52      | 37       | 50/58.8 (MCS11)  | 5.80                                | 5.47                                 | 8.64                           | 11.0                        | -2.36       |
|           |                 |             |             |      | 52      | 44       | 50/58.8 (MCS11)  | 5.38                                | 5.46                                 | 8.43                           | 11.0                        | -2.57       |
|           | 5690            | 138         | ax (80MHz)  | SDM  | 52      | 52       | 50/58.8 (MCS11)  | 5.61                                | 5.77                                 | 8.70                           | 11.0                        | -2.30       |
|           |                 |             |             |      | 52      | 37       | 50/58.8 (MCS11)  | 5.42                                | 6.82                                 | 9.18                           | 11.0                        | -1.82       |
|           |                 |             |             |      | 52      | 44       | 50/58.8 (MCS11)  | 5.93                                | 5.74                                 | 8.85                           | 11.0                        | -2.15       |
| *5570     | 114 (L)         | ax (160MHz) | CDD         | CDD  | 52      | 52       | 50/58.8 (MCS11)  | 5.48                                | 5.99                                 | 8.75                           | 11.0                        | -2.25       |
|           |                 |             |             |      | 52      | 37       | 50/58.8 (MCS11)  | 6.51                                | 6.34                                 | 9.44                           | 11.0                        | -1.56       |
|           |                 |             |             |      | 52      | 44       | 50/58.8 (MCS11)  | 5.70                                | 5.82                                 | 8.77                           | 11.0                        | -2.23       |
|           |                 |             |             |      | 52      | 52       | 50/58.8 (MCS11)  | 6.18                                | 6.10                                 | 9.15                           | 11.0                        | -1.85       |
|           | 114 (U)         |             |             |      | 52      | 37       | 50/58.8 (MCS11)  | 2.80                                | 2.65                                 | 5.74                           | 11.0                        | -5.26       |
|           |                 |             |             |      | 52      | 52       | 50/58.8 (MCS11)  | 2.81                                | 2.71                                 | 5.77                           | 11.0                        | -5.23       |
|           |                 |             |             |      | 52      | 52       | 50/58.8 (MCS11)  | 2.55                                | 2.99                                 | 5.78                           | 11.0                        | -5.22       |

**Table 7-117. Bands 1, 2A, 2C Power Spectral Density Measurements CDD/SDM (RU52)**

\*TDWR channel is not supported for ISSED (denoted by a \* next to the frequency)

|   |   |                            |                                 |
|---|---|----------------------------|---------------------------------|
| FCC ID: BCGA3266<br>IC: 579C-A3266      |  <b>MEASUREMENT REPORT (CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2410210072-11.BCG | Test Dates:<br>10/25/2024 - 1/2/2025  | EUT Type:<br>Tablet Device | Page 89 of 184                  |

V 10.6 10/27/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact [ct.info@element.com](mailto:ct.info@element.com).

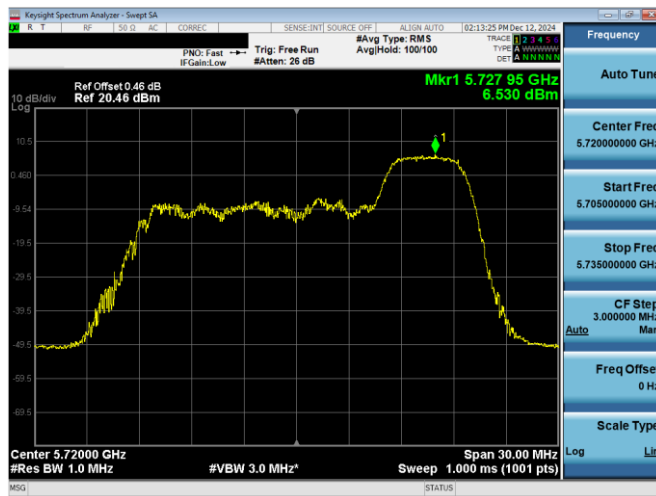
|           | Frequency [MHz] | Channel | 802.11 MODE | Mode | RU Size | RU Index | Data Rate [Mbps]    | Antenna WF8 Power Density [dBm/MHz] | Antenna WF7a Power Density [dBm/MHz] | Summed Power Density [dBm/MHz] | Max Power Density [dBm/MHz] | Margin [dB] |
|-----------|-----------------|---------|-------------|------|---------|----------|---------------------|-------------------------------------|--------------------------------------|--------------------------------|-----------------------------|-------------|
| Band 1    | 5180            | 36      | ax (20MHz)  | CDD  | 242     | 61       | 243.8/286.8 (MCS11) | 2.99                                | 2.95                                 | 5.98                           | 11.0                        | -5.02       |
|           | 5200            | 40      | ax (20MHz)  | CDD  | 242     | 61       | 243.8/286.8 (MCS11) | 6.17                                | 5.77                                 | 8.98                           | 11.0                        | -2.02       |
|           | 5240            | 48      | ax (20MHz)  | CDD  | 242     | 61       | 243.8/286.8 (MCS11) | 6.09                                | 6.65                                 | 9.39                           | 11.0                        | -1.61       |
|           | 5190            | 38      | ax (40MHz)  | CDD  | 484     | 65       | 487.5/573.5 (MCS11) | -3.20                               | -2.79                                | 0.02                           | 11.0                        | -10.98      |
|           | 5230            | 46      | ax (40MHz)  | CDD  | 484     | 65       | 487.5/573.5 (MCS11) | 4.13                                | 4.62                                 | 7.40                           | 11.0                        | -3.60       |
|           | 5210            | 42      | ax (80MHz)  | CDD  | 996     | 67       | 1020.8/1201 (MCS11) | -6.24                               | -6.10                                | -3.16                          | 11.0                        | -14.16      |
| Band 1/2A | 5250            | 50      | ax (160MHz) | CDD  | 996x2   | 68       | 2041.6/2402 (MCS11) | -10.27                              | -10.21                               | -7.23                          | 11.0                        | -18.23      |
| Band 2A   | 5260            | 52      | ax (20MHz)  | CDD  | 242     | 61       | 243.8/286.8 (MCS11) | 5.75                                | 6.34                                 | 9.07                           | 11.0                        | -1.93       |
|           | 5280            | 60      | ax (20MHz)  | CDD  | 242     | 61       | 243.8/286.8 (MCS11) | 6.20                                | 6.49                                 | 9.36                           | 11.0                        | -1.64       |
|           | 5320            | 64      | ax (20MHz)  | CDD  | 242     | 61       | 243.8/286.8 (MCS11) | 3.65                                | 3.71                                 | 6.69                           | 11.0                        | -4.31       |
|           | 5270            | 54      | ax (40MHz)  | CDD  | 484     | 65       | 487.5/573.5 (MCS11) | 4.07                                | 4.19                                 | 7.14                           | 11.0                        | -3.86       |
|           | 5310            | 62      | ax (40MHz)  | CDD  | 484     | 65       | 487.5/573.5 (MCS11) | -0.57                               | -1.05                                | 2.20                           | 11.0                        | -8.80       |
|           | 5290            | 58      | ax (80MHz)  | CDD  | 996     | 67       | 1020.8/1201 (MCS11) | -3.98                               | -3.17                                | -0.54                          | 11.0                        | -11.54      |
| Band 2C   | 5500            | 100     | ax (20MHz)  | CDD  | 242     | 61       | 243.8/286.8 (MCS11) | 2.83                                | 3.25                                 | 6.05                           | 11.0                        | -4.95       |
|           | 5580            | 116     | ax (20MHz)  | SDM  | 242     | 61       | 243.8/286.8 (MCS11) | 6.45                                | 6.45                                 | 9.46                           | 11.0                        | -1.54       |
|           | 5720            | 144     | ax (20MHz)  | SDM  | 242     | 61       | 243.8/286.8 (MCS11) | 6.73                                | 6.49                                 | 9.62                           | 11.0                        | -1.38       |
|           | 5510            | 102     | ax (40MHz)  | CDD  | 484     | 65       | 487.5/573.5 (MCS11) | -1.62                               | -1.68                                | 1.36                           | 11.0                        | -9.64       |
|           | 5550            | 110     | ax (40MHz)  | CDD  | 484     | 65       | 487.5/573.5 (MCS11) | 2.98                                | 3.17                                 | 6.09                           | 11.0                        | -4.91       |
|           | *5590           | 118     | ax (40MHz)  | SDM  | 484     | 65       | 487.5/573.5 (MCS11) | 5.30                                | 5.67                                 | 8.50                           | 11.0                        | -2.50       |
|           | 5710            | 142     | ax (40MHz)  | SDM  | 484     | 65       | 487.5/573.5 (MCS11) | 5.52                                | 5.79                                 | 8.67                           | 11.0                        | -2.33       |
|           | 5530            | 106     | ax (80MHz)  | CDD  | 996     | 67       | 1020.8/1201 (MCS11) | -6.14                               | -5.54                                | -2.82                          | 11.0                        | -13.82      |
|           | *5610           | 122     | ax (80MHz)  | CDD  | 996     | 67       | 1020.8/1201 (MCS11) | -0.81                               | -0.22                                | 2.50                           | 11.0                        | -8.50       |
|           | 5690            | 138     | ax (80MHz)  | CDD  | 996     | 67       | 1020.8/1201 (MCS11) | 2.55                                | 2.77                                 | 5.67                           | 11.0                        | -5.33       |
|           | *5570           | 114     | ax (160MHz) | CDD  | 996x2   | 68       | 2041.6/2402 (MCS11) | -11.34                              | -11.05                               | -8.18                          | 11.0                        | -19.18      |

**Table 7-118. Bands 1, 2A, 2C Power Spectral Density Measurements CDD/SDM (Fully-loaded RU)**

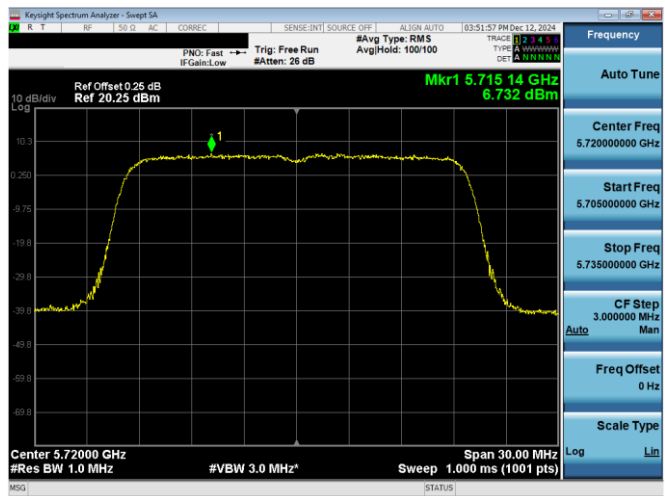
\*TDWR channel is not supported for ISED (denoted by a \* next to the frequency)

|   |   |                                       |                                 |
|---|---|---------------------------------------|---------------------------------|
| FCC ID: BCGA3266<br>IC: 579C-A3266      |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2410210072-11.BCG | Test Dates:<br>10/25/2024 - 1/2/2025  | EUT Type:<br>Tablet Device            | Page 90 of 184                  |

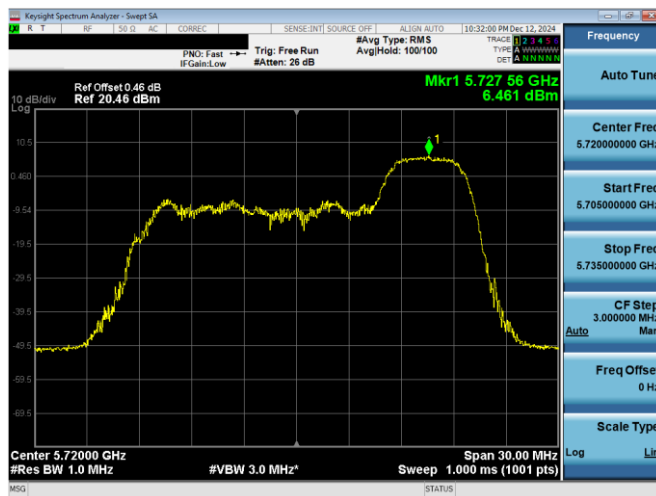
V 10.6 10/27/2023



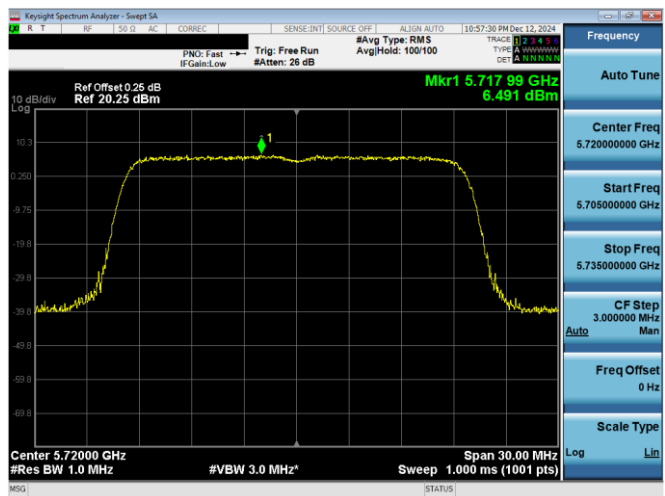
Plot 7-21. PSD SDM Antenna WF8 (20MHz BW 11ax Index 40 – RU52 – Ch.144)



Plot 7-23. PSD SDM Antenna WF8 (20MHz BW 11ax–RU242 – Ch.144)



Plot 7-22. PSD SDM Antenna WF7a (20MHz BW 11ax Index 40 – RU52 – Ch.144)



Plot 7-24. PSD SDM Antenna WF7a (20MHz BW 11ax–RU242 – Ch.144)

|   |   |                                       |                                 |
|---|---|---------------------------------------|---------------------------------|
| FCC ID: BCGA3266<br>IC: 579C-A3266      |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2410210072-11.BCG | Test Dates:<br>10/25/2024 - 1/2/2025  | EUT Type:<br>Tablet Device            | Page 91 of 184                  |



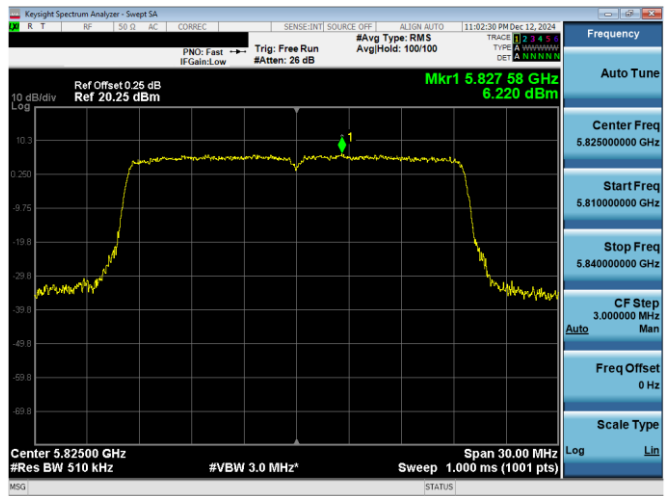
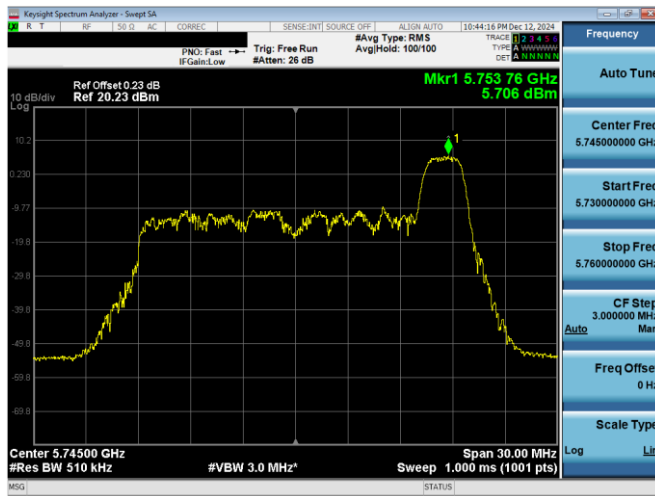
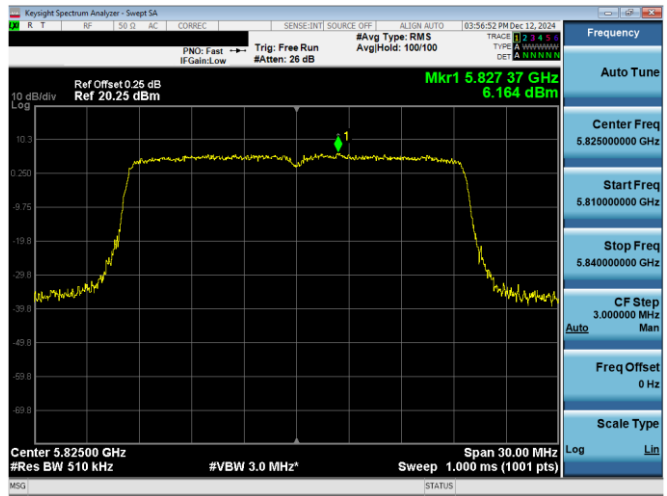
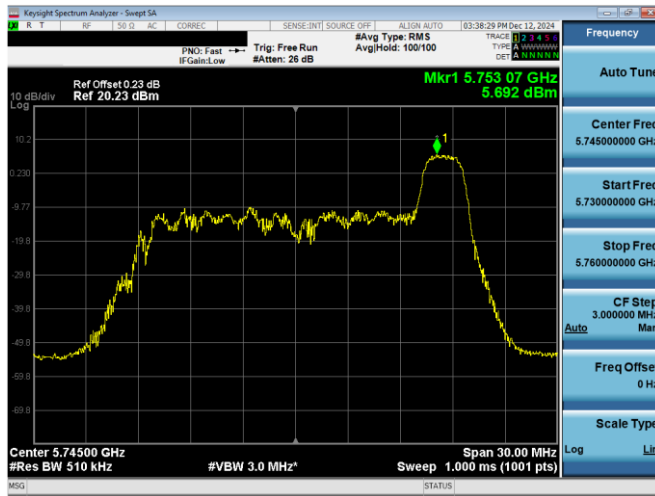
|        | Frequency [MHz] | Channel No. | 802.11 MODE | Mode | RU Size | RU Index | Data Rate [Mbps] | Antenna WF8 Power Density [dBm/500kHz] | Antenna WF7a Power Density [dBm/500kHz] | Summed Power Density [dBm/500kHz] | Max Permissible Power Density [dBm/500kHz] | Margin [dB] |
|--------|-----------------|-------------|-------------|------|---------|----------|------------------|--|---|-----------------------------------|--|-------------|
| Band 3 | 5745            | 149         | ax (20MHz)  | CDD  | 26      | 0        | 25/29.4 (MCS11)  | 5.35                                   | 5.35                                    | 8.36                              | 30.0                                       | -21.64      |
|        |                 |             |             |      | 26      | 4        | 25/29.4 (MCS11)  | 5.68                                   | 5.42                                    | 8.56                              | 30.0                                       | -21.44      |
|        |                 |             |             |      | 26      | 8        | 25/29.4 (MCS11)  | 5.69                                   | 5.71                                    | 8.71                              | 30.0                                       | -21.29      |
|        | 5785            | 157         | ax (20MHz)  | CDD  | 26      | 0        | 25/29.4 (MCS11)  | 5.35                                   | 5.53                                    | 8.45                              | 30.0                                       | -21.55      |
|        |                 |             |             |      | 26      | 4        | 25/29.4 (MCS11)  | 5.76                                   | 5.23                                    | 8.51                              | 30.0                                       | -21.49      |
|        |                 |             |             |      | 26      | 8        | 25/29.4 (MCS11)  | 5.56                                   | 5.47                                    | 8.52                              | 30.0                                       | -21.48      |
|        | 5825            | 165         | ax (20MHz)  | CDD  | 26      | 0        | 25/29.4 (MCS11)  | 5.58                                   | 5.37                                    | 8.49                              | 30.0                                       | -21.51      |
|        |                 |             |             |      | 26      | 4        | 25/29.4 (MCS11)  | 5.41                                   | 5.52                                    | 8.48                              | 30.0                                       | -21.52      |
|        |                 |             |             |      | 26      | 8        | 25/29.4 (MCS11)  | 5.69                                   | 4.90                                    | 8.32                              | 30.0                                       | -21.68      |
|        | 5755            | 151         | ax (40MHz)  | CDD  | 26      | 0        | 25/29.4 (MCS11)  | 5.51                                   | 5.21                                    | 8.37                              | 30.0                                       | -21.63      |
|        |                 |             |             |      | 26      | 8        | 25/29.4 (MCS11)  | 5.16                                   | 6.00                                    | 8.61                              | 30.0                                       | -21.39      |
|        |                 |             |             |      | 26      | 17       | 25/29.4 (MCS11)  | 5.57                                   | 5.27                                    | 8.43                              | 30.0                                       | -21.57      |
|        | 5795            | 159         | ax (40MHz)  | CDD  | 26      | 0        | 25/29.4 (MCS11)  | 5.71                                   | 5.45                                    | 8.59                              | 30.0                                       | -21.41      |
|        |                 |             |             |      | 26      | 8        | 25/29.4 (MCS11)  | 5.28                                   | 5.26                                    | 8.28                              | 30.0                                       | -21.72      |
|        |                 |             |             |      | 26      | 17       | 25/29.4 (MCS11)  | 6.12                                   | 5.22                                    | 8.70                              | 30.0                                       | -21.30      |
|        | 5775            | 155         | ax (80MHz)  | CDD  | 26      | 0        | 25/29.4 (MCS11)  | 5.36                                   | 5.47                                    | 8.42                              | 30.0                                       | -21.58      |
|        |                 |             |             |      | 26      | 18       | 25/29.4 (MCS11)  | 5.00                                   | 5.35                                    | 8.19                              | 30.0                                       | -21.81      |
|        |                 |             |             |      | 26      | 36       | 25/29.4 (MCS11)  | 5.21                                   | 5.55                                    | 8.39                              | 30.0                                       | -21.61      |

**Table 7-119. Band 3 Power Spectral Density Measurements CDD (RU26)**

|        | Frequency [MHz] | Channel | 802.11 MODE | Mode | RU Size | RU Index | Data Rate [Mbps]    | Antenna WF8 Power Density [dBm/500kHz] | Antenna WF7a Power Density [dBm/500kHz] | Summed Power Density [dBm/500kHz] | Max Permissible Power Density [dBm/500kHz] | Margin [dB] |
|--------|-----------------|---------|-------------|------|---------|----------|---------------------|--|---|-----------------------------------|--|-------------|
| Band 3 | 5745            | 149     | ax (20MHz)  | CDD  | 242     | 61       | 243.8/286.8 (MCS11) | 6.11                                   | 5.67                                    | 8.90                              | 30.0                                       | -21.10      |
|        | 5785            | 157     | ax (20MHz)  | CDD  | 242     | 61       | 243.8/286.8 (MCS11) | 5.64                                   | 5.52                                    | 8.59                              | 30.0                                       | -21.41      |
|        | 5825            | 165     | ax (20MHz)  | CDD  | 242     | 61       | 243.8/286.8 (MCS11) | 6.16                                   | 6.22                                    | 9.20                              | 30.0                                       | -20.80      |
|        | 5755            | 151     | ax (40MHz)  | CDD  | 484     | 65       | 487.5/573.5 (MCS11) | 3.18                                   | 3.00                                    | 6.10                              | 30.0                                       | -23.90      |
|        | 5795            | 159     | ax (40MHz)  | CDD  | 484     | 65       | 487.5/573.5 (MCS11) | 2.99                                   | 3.22                                    | 6.12                              | 30.0                                       | -23.88      |
|        | 5775            | 155     | ax (80MHz)  | CDD  | 996     | 67       | 1020.8/1201 (MCS11) | -4.06                                  | -4.23                                   | -1.14                             | 30.0                                       | -31.14      |

**Table 7-120. Band 3 Power Spectral Density Measurements CDD (Fully-loaded RU)**

|   |   |                                       |                                 |
|---|---|---------------------------------------|---------------------------------|
| FCC ID: BCGA3266<br>IC: 579C-A3266      |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2410210072-11.BCG | Test Dates:<br>10/25/2024 - 1/2/2025  | EUT Type:<br>Tablet Device            | Page 92 of 184                  |



|   |   |                                       |                                 |
|---|---|---------------------------------------|---------------------------------|
| FCC ID: BCGA3266<br>IC: 579C-A3266      |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2410210072-11.BCG | Test Dates:<br>10/25/2024 - 1/2/2025  | EUT Type:<br>Tablet Device            | Page 93 of 184                  |

|        | Frequency [MHz] | Channel No. | 802.11 MODE | Mode | RU Size | RU Index | Data Rate [Mbps] | Antenna WF8 Power Density [dBm/MHz] | Antenna WF7a Power Density [dBm/MHz] | Summed Power Density [dBm/MHz] | Directional Antenna Gain [dBi] | e.i.r.p. Power Density [dBm/MHz] | ISED Max e.i.r.p. Power Density [dBm/MHz] | Margin [dB] |
|--------|-----------------|-------------|-------------|------|---------|----------|------------------|-------------------------------------|--------------------------------------|--------------------------------|--------------------------------|----------------------------------|---|-------------|
| Band 1 | 5180            | 36          | ax (20MHz)  | SDM  | 26      | 0        | 25/29.4 (MCS11)  | 2.90                                | 2.95                                 | 5.94                           | 2.50                           | 8.44                             | 10.0                                      | -1.56       |
|        |                 |             |             |      | 26      | 4        | 25/29.4 (MCS11)  | 1.93                                | 2.46                                 | 5.21                           | 2.50                           | 7.71                             | 10.0                                      | -2.29       |
|        |                 |             |             |      | 26      | 8        | 25/29.4 (MCS11)  | 2.96                                | 3.40                                 | 6.19                           | 2.50                           | 8.69                             | 10.0                                      | -1.31       |
|        | 5200            | 40          | ax (20MHz)  | SDM  | 26      | 0        | 25/29.4 (MCS11)  | 2.36                                | 2.92                                 | 5.66                           | 2.50                           | 8.16                             | 10.0                                      | -1.84       |
|        |                 |             |             |      | 26      | 4        | 25/29.4 (MCS11)  | 1.46                                | 2.05                                 | 4.77                           | 2.50                           | 7.27                             | 10.0                                      | -2.73       |
|        |                 |             |             |      | 26      | 8        | 25/29.4 (MCS11)  | 2.50                                | 2.88                                 | 5.70                           | 2.50                           | 8.20                             | 10.0                                      | -1.80       |
|        | 5240            | 48          | ax (20MHz)  | SDM  | 26      | 0        | 25/29.4 (MCS11)  | 2.58                                | 3.36                                 | 6.00                           | 2.50                           | 8.50                             | 10.0                                      | -1.50       |
|        |                 |             |             |      | 26      | 4        | 25/29.4 (MCS11)  | 1.44                                | 1.77                                 | 4.62                           | 2.50                           | 7.12                             | 10.0                                      | -2.88       |
|        |                 |             |             |      | 26      | 8        | 25/29.4 (MCS11)  | 2.40                                | 2.54                                 | 5.48                           | 2.50                           | 7.98                             | 10.0                                      | -2.02       |
|        | 5190            | 38          | ax (40MHz)  | SDM  | 26      | 0        | 25/29.4 (MCS11)  | 2.11                                | 2.50                                 | 5.32                           | 2.50                           | 7.82                             | 10.0                                      | -2.18       |
|        |                 |             |             |      | 26      | 8        | 25/29.4 (MCS11)  | 2.86                                | 3.14                                 | 6.02                           | 2.50                           | 8.52                             | 10.0                                      | -1.48       |
|        |                 |             |             |      | 26      | 17       | 25/29.4 (MCS11)  | 2.34                                | 2.57                                 | 5.47                           | 2.50                           | 7.97                             | 10.0                                      | -2.03       |
|        | 5230            | 46          | ax (40MHz)  | SDM  | 26      | 0        | 25/29.4 (MCS11)  | 2.24                                | 2.60                                 | 5.43                           | 2.50                           | 7.93                             | 10.0                                      | -2.07       |
|        |                 |             |             |      | 26      | 8        | 25/29.4 (MCS11)  | 2.32                                | 3.36                                 | 5.88                           | 2.50                           | 8.38                             | 10.0                                      | -1.62       |
|        |                 |             |             |      | 26      | 17       | 25/29.4 (MCS11)  | 2.08                                | 2.80                                 | 5.46                           | 2.50                           | 7.96                             | 10.0                                      | -2.04       |
|        | 5210            | 42          | ax (80MHz)  | SDM  | 26      | 0        | 25/29.4 (MCS11)  | 2.42                                | 2.76                                 | 5.61                           | 2.50                           | 8.11                             | 10.0                                      | -1.89       |
|        |                 |             |             |      | 26      | 18       | 25/29.4 (MCS11)  | 0.61                                | 1.55                                 | 4.12                           | 2.50                           | 6.62                             | 10.0                                      | -3.38       |
|        |                 |             |             |      | 26      | 36       | 25/29.4 (MCS11)  | 2.92                                | 3.40                                 | 6.17                           | 2.50                           | 8.67                             | 10.0                                      | -1.33       |
|        | 5250            | 50 (L)      | ax (160MHz) | SDM  | 52      | 37       | 50/58.8 (MCS11)  | 2.83                                | 2.81                                 | 5.83                           | 2.50                           | 8.33                             | 10.0                                      | -1.67       |
|        |                 |             |             |      | 52      | 52       | 50/58.8 (MCS11)  | 2.62                                | 2.87                                 | 5.75                           | 2.50                           | 8.26                             | 10.0                                      | -1.74       |

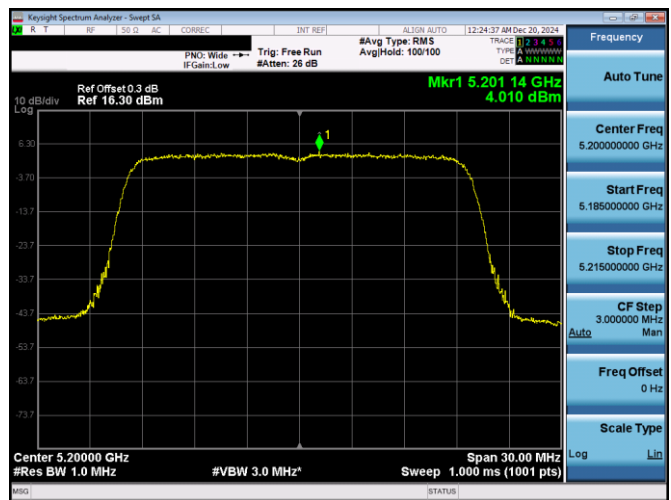
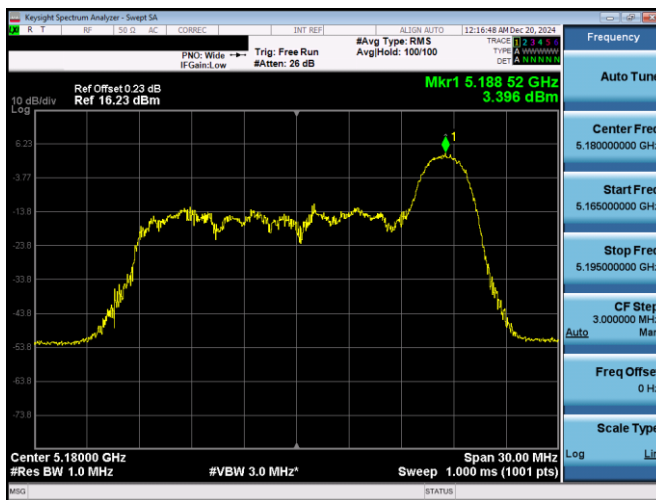
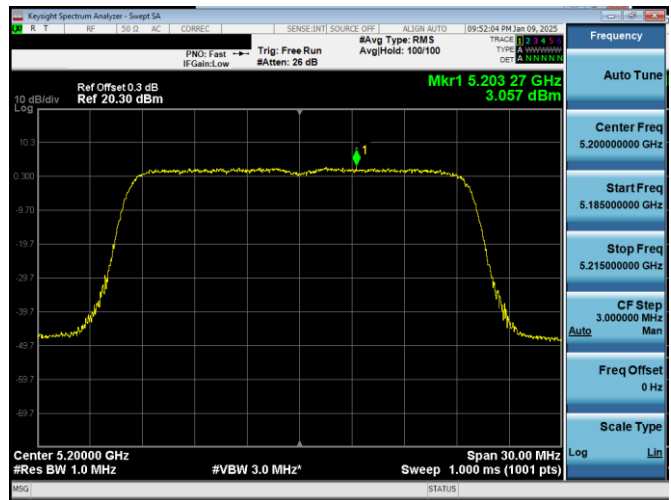
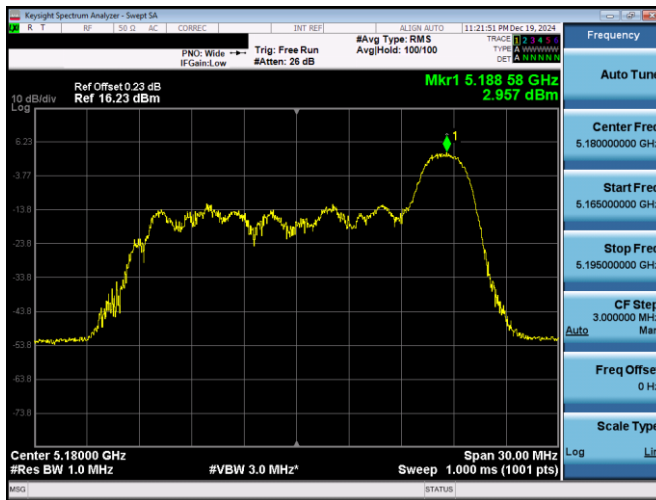
**Table 7-121. ISED Band 1 e.i.r.p. Power Spectral Density Measurements SDM (RU26/52)**

|        | Frequency [MHz] | Channel | 802.11 MODE | Mode | RU Size | RU Index | Data Rate [Mbps]    | Antenna WF8 Power Density [dBm/MHz] | Antenna WF7a Power Density [dBm/MHz] | Summed Power Density [dBm/MHz] | Directional Antenna Gain [dBi] | e.i.r.p. Power Density [dBm/MHz] | ISED Max e.i.r.p. Power Density [dBm/MHz] | Margin [dB] |
|--------|-----------------|---------|-------------|------|---------|----------|---------------------|-------------------------------------|--------------------------------------|--------------------------------|--------------------------------|----------------------------------|---|-------------|
| Band 1 | 5180            | 36      | ax (20MHz)  | SDM  | 242     | 61       | 243.8/286.8 (MCS11) | 3.18                                | 3.36                                 | 6.28                           | 2.50                           | 8.78                             | 10.0                                      | -1.22       |
|        | 5200            | 40      | ax (20MHz)  | SDM  | 242     | 61       | 243.8/286.8 (MCS11) | 3.06                                | 4.01                                 | 6.57                           | 2.50                           | 9.07                             | 10.0                                      | -0.93       |
|        | 5240            | 48      | ax (20MHz)  | SDM  | 242     | 61       | 243.8/286.8 (MCS11) | 2.98                                | 3.45                                 | 6.23                           | 2.50                           | 8.73                             | 10.0                                      | -1.27       |
|        | 5190            | 38      | ax (40MHz)  | CDD  | 484     | 65       | 487.5/573.5 (MCS11) | -2.29                               | -2.14                                | 0.80                           | 5.44                           | 6.23                             | 10.0                                      | -3.77       |
|        | 5230            | 46      | ax (40MHz)  | SDM  | 484     | 65       | 487.5/573.5 (MCS11) | 2.22                                | 2.66                                 | 5.46                           | 2.50                           | 7.96                             | 10.0                                      | -2.04       |
|        | 5210            | 42      | ax (80MHz)  | CDD  | 996     | 67       | 1020.8/1201 (MCS11) | -5.61                               | -5.33                                | -2.46                          | 5.44                           | 2.98                             | 10.0                                      | -7.02       |
|        | 5250            | 50      | ax (160MHz) | CDD  | 996x2   | 68       | 2041.6/2402 (MCS11) | -9.63                               | -9.44                                | -6.52                          | 5.44                           | -1.09                            | 10.0                                      | -11.09      |

**Table 7-122. ISED Band 1 e.i.r.p. Power Spectral Density Measurements CDD/SDM (Fully-loaded RU)**

|   |   |                            |                                 |
|---|---|----------------------------|---------------------------------|
| FCC ID: BCGA3266<br>IC: 579C-A3266      |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2410210072-11.BCG | Test Dates:<br>10/25/2024 - 1/2/2025  | EUT Type:<br>Tablet Device | Page 94 of 184                  |

V 10.6 10/27/2023



|   |   |                                       |                                 |
|---|---|---------------------------------------|---------------------------------|
| FCC ID: BCGA3266<br>IC: 579C-A3266      |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2410210072-11.BCG | Test Dates:<br>10/25/2024 - 1/2/2025  | EUT Type:<br>Tablet Device            | Page 95 of 184                  |

**Note:**

Per ANSI C63.10-2020 Subclause 14.3.2.2 and KDB 662911 v02r01 Section E)2), the power spectral density at Antenna WF8 and Antenna WF7a were first measured separately during CDD/SDM transmission as shown in the section above. The measured values were then summed in linear power units then converted back to dBm.

**Sample Directional Gain Calculation:**

For correlated signals, assuming the antenna gain is 1.2 dBi for Antenna WF8 and 3.5 dBi for Antenna WF7a.

$$\begin{aligned} \text{Directional gain} &= 10 \log[(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N_{\text{ANT}}] \text{ dBi} \\ &= 10 \log[(10^{1.2/20} + 10^{3.5/20} / 2] \text{ dBi} \\ &= 5.44 \text{ dBi} \end{aligned}$$

For uncorrelated signals, assuming the antenna gain is 1.2 dBi for Antenna WF8 and 3.5 dBi for Antenna WF7a.

$$\begin{aligned} \text{Directional gain} &= 10 \log[(10^{G_1/10} + 10^{G_2/10} + \dots + 10^{G_N/10}) / N_{\text{ANT}}] \text{ dBi} \\ &= 10 \log[(10^{1.2/10} + 10^{3.5/10} / 2] \text{ dBi} \\ &= 2.50 \text{ dBi} \end{aligned}$$

**Sample CDD/SDM Calculation:**

Assuming the average conducted power spectral density was measured to be 2.90 dBm for Antenna WF8 and 2.95 dBm for Antenna WF7a.

$$\text{Antenna WF8} + \text{Antenna WF7a} = \text{CDD/SDM}$$

$$(2.90 \text{ dBm} + 2.95 \text{ dBm}) = (1.950 \text{ mW} + 1.972 \text{ mW}) = 3.922 \text{ mW} = 5.94 \text{ dBm}$$

**Sample e.i.r.p Power Spectral Density Calculation:**

Assuming the average CDD/SDM power density was calculated to be 5.94 dBm with directional gain of 2.50 dBi.

$$\text{e.i.r.p. Power Spectral Density(dBm)} = \text{Power Spectral Density (dBm)} + \text{directional gain (dBi)}$$

$$5.94 \text{ dBm} + 2.50 \text{ dBi} = 8.44 \text{ dBm}$$

|  |   |                                   |  |
|--|---|-----------------------------------|--|
| FCC ID: BCGA3266<br>IC: 579C-A3266             |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                                   | <b>Approved by:</b><br>Quality Manager |
| <b>Test Report S/N:</b><br>1C2410210072-11.BCG | <b>Test Dates:</b><br>10/25/2024 - 1/2/2025   | <b>EUT Type:</b><br>Tablet Device | Page 96 of 184                         |

V 10.6 10/27/2023

## 7.6 Radiated Spurious Emission – Above 1GHz

§15.407(b) §15.205 §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 its maximum power control level, as defined in ANSI C63.10-2020 and KDB 789033 D02 v02r01, and at the appropriate frequencies. All channels, modes (e.g. RU26, 52 Tones, RU106, RU242, RU484, RU996 and RU996x2), and modulations/data rates were investigated among all UNII bands. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

***For transmitters operating in the 5.15-5.25 GHz and 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of –27 dBm/MHz.***

***For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of –27 dBm/MHz.***

***For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of –27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.***

***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 7-123 per Section 15.209 and RSS-Gen (8.9).***

| Frequency       | Field Strength<br>[μV/m] | Measured Distance<br>[Meters] |
|-----------------|--------------------------|-------------------------------|
| Above 960.0 MHz | 500                      | 3                             |

**Table 7-123. Radiated Limits**

### Test Procedures Used

ANSI C63.10-2020 – Subclauses 12.7.7, 12.7.6

KDB 789033 D02 v02r01 – Section G

|   |   |                                       |                                 |
|---|---|---------------------------------------|---------------------------------|
| FCC ID: BCGA3266<br>IC: 579C-A3266      |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2410210072-11.BCG | Test Dates:<br>10/25/2024 - 1/2/2025  | EUT Type:<br>Tablet Device            | Page 97 of 184                  |

V 10.6 10/27/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact [ct.info@element.com](mailto:ct.info@element.com).

## Test Settings

### Average Field Strength Measurements

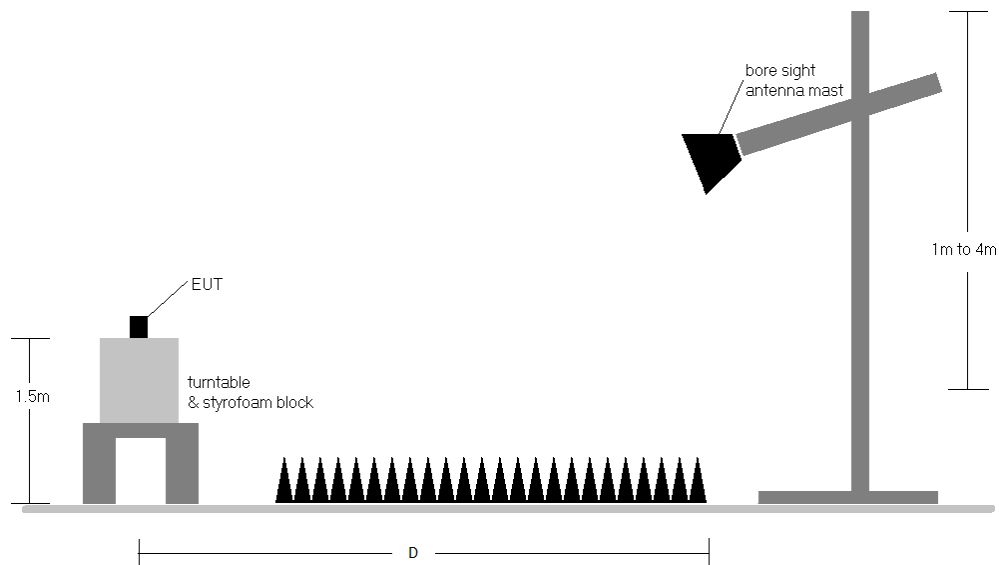
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = power average (RMS)
5. Number of measurement points = 1001 (Number of points must be  $\geq 2 \times \text{span/RBW}$ )
6. Averaging type = power (RMS)
7. Sweep time = auto couple
8. Trace was averaged over 100 sweeps

### Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

## Test Setup

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



**Figure 7-5. Test Instrument & Measurement Setup**

|   |   |                                       |                                 |
|---|---|---------------------------------------|---------------------------------|
| FCC ID: BCGA3266<br>IC: 579C-A3266      |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2410210072-11.BCG | Test Dates:<br>10/25/2024 - 1/2/2025  | EUT Type:<br>Tablet Device            | Page 98 of 184                  |

V 10.6 10/27/2023

## Test Notes

1. All emissions that lie in the restricted bands (denoted by a \* next to the frequency) specified in §15.205 and Section 8.10 of RSS-Gen are below the limit shown in Table 7-123.
2. All spurious emissions lying in restricted bands specified in §15.205 and Section 8.10 of RSS-Gen are below the limit shown in Table 7-123. All spurious emissions that do not lie in a restricted band are subject to a peak limit of -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.
3. The antenna is manipulated through typical positions, polarity and length during the tests. The EUT is manipulated through three orthogonal planes.
4. This unit was tested with its standard battery.
5. The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter using CISPR quasi peak detector below 1GHz. Above 1 GHz, average and peak measurements were taken using linearly polarized horn antennas.
6. D is the measurement test distance and emissions 1-18GHz were measured at a 3 meters test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
7. The wide spectrum spurious emissions plots shown on the following pages are used only for the purpose of emission identification. Any emissions found to be within 20dB of the limit are fully investigated and the results are shown in this section.
8. The "-" shown in the following RSE tables are used to denote a noise floor measurement.
9. Per RSS-247 Section 6.2.3, transmission on channels which overlap the 5600-5650 MHz is prohibited. This device operates under these frequencies only under the control of a certified master device and does not support active scanning on these channels. This device does not transmit any beacons or initiate any transmissions in UNII Bands 2A or 2C.
10. For radiated measurements, emissions were investigated for the fully-loaded RU configuration and for all of the partially-loaded RU configurations. Among all of the available partially-loaded RU configurations, only the configuration with the worst case emissions is reported.

|  |   |   |  |
|--|---|---|--|
| <b>FCC ID:</b> BCGA3266<br><b>IC:</b> 579C-A3266 |  | <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> | <b>Approved by:</b><br>Quality Manager |
| <b>Test Report S/N:</b><br>1C2410210072-11.BCG   | <b>Test Dates:</b><br>10/25/2024 - 1/2/2025   | <b>EUT Type:</b><br>Tablet Device             | Page 99 of 184                         |

V 10.6 10/27/2023



## Sample Calculations

### Determining Spurious Emissions Levels

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

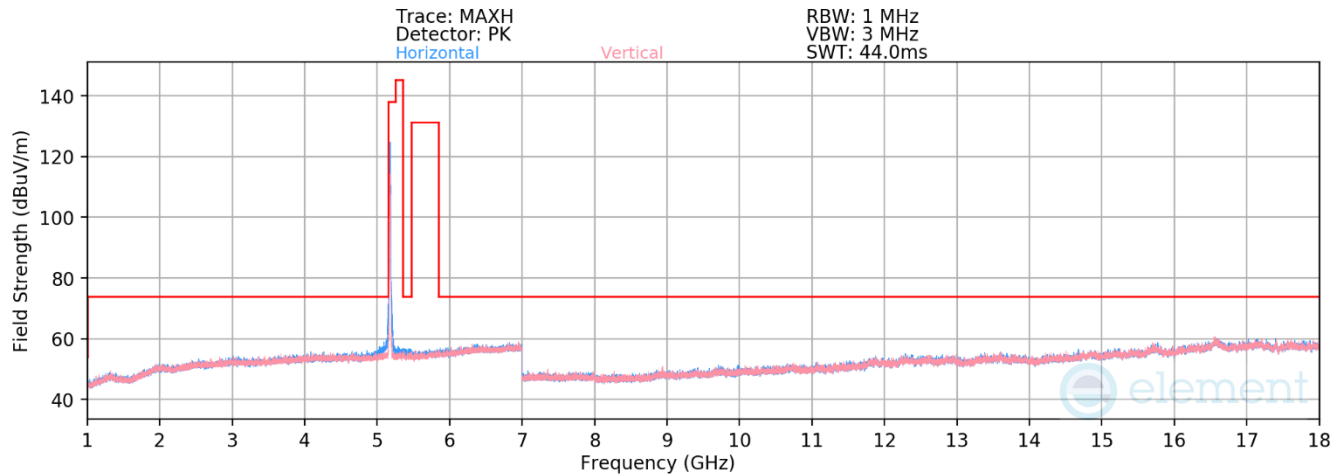
### Radiated Band Edge Measurement Offset

- The amplitude offset shown in the radiated restricted band edge plots in Section 7.6.2 to 7.6.13 was calculated using the formula:  
Offset (dB) = (Antenna Factor + Cable Loss + Attenuator) – Preamplifier Gain

|   |   |                                       |                                 |
|---|---|---------------------------------------|---------------------------------|
| FCC ID: BCGA3266<br>IC: 579C-A3266      |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2410210072-11.BCG | Test Dates:<br>10/25/2024 - 1/2/2025  | EUT Type:<br>Tablet Device            | Page 100 of 184                 |

V 10.6 10/27/2023

## 7.6.1 CDD Radiated Spurious Emissions RU26



Plot 7-33. RSE above 1GHz CDD (11ax – Ch.36 – RU26)

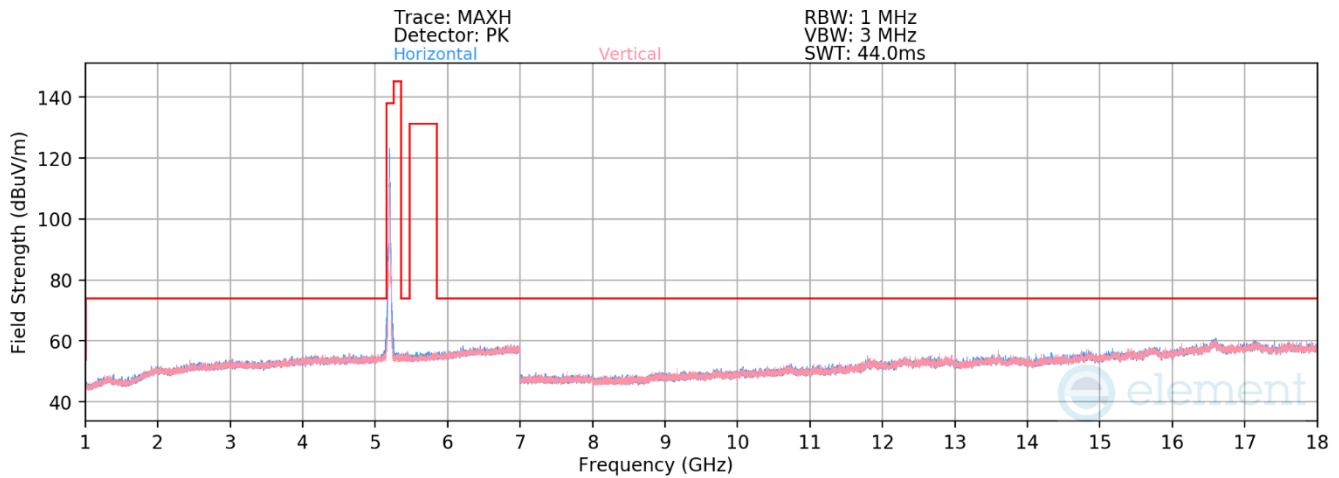
|                           |                     |
|---------------------------|---------------------|
| Mode:                     | 802.11ax (20MHz BW) |
| Data Rate:                | MCS11               |
| RU Index:                 | 4                   |
| Distance of Measurements: | 3 Meters            |
| Operating Frequency:      | 5180MHz             |
| Channel:                  | 36                  |

|   | Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBuV/m] | Limit [dBuV/m] | Margin [dB] |
|---|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
|   | 10360.00        | Peak     | H               | -                   | -                          | -70.76               | 15.15       | 51.39                   | 68.23          | -16.84      |
| * | 15540.00        | Average  | V               | -                   | -                          | -83.87               | 22.57       | 45.70                   | 53.98          | -8.28       |
| * | 15540.00        | Peak     | V               | -                   | -                          | -72.65               | 22.76       | 57.11                   | 73.98          | -16.87      |

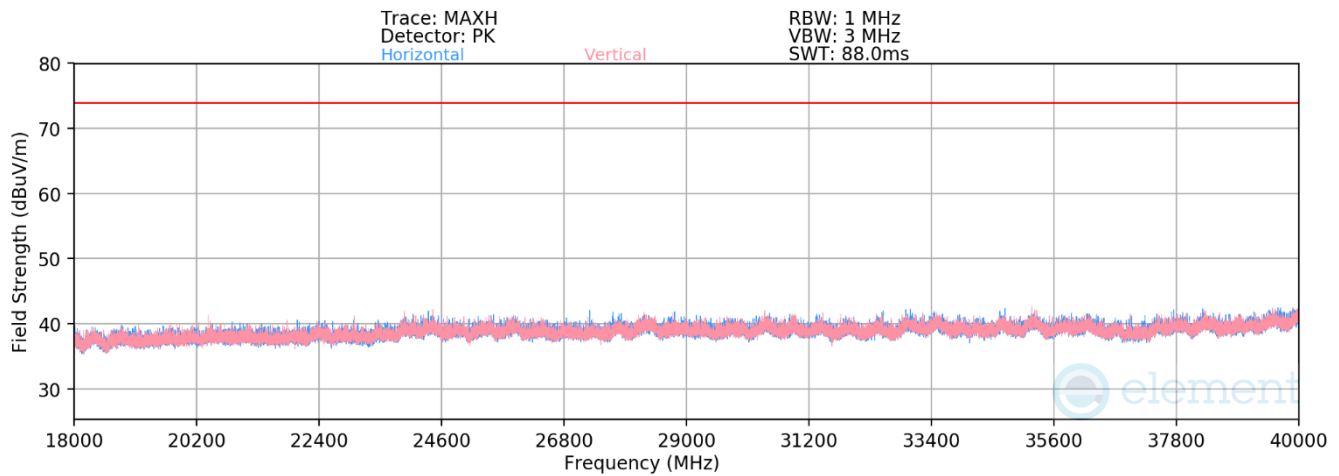
Table 7-124. Radiated Measurements CDD (RU26)

|   |   |                                       |                                 |
|---|---|---------------------------------------|---------------------------------|
| FCC ID: BCGA3266<br>IC: 579C-A3266      |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2410210072-11.BCG | Test Dates:<br>10/25/2024 - 1/2/2025  | EUT Type:<br>Tablet Device            | Page 101 of 184                 |

V 10.6 10/27/2023



Plot 7-34. RSE above 1GHz CDD (11ax – Ch.40 – RU26)



Plot 7-35. RSE 18GHz – 40 GHz CDD (11ax Ch.40 — RU26)

Mode: 802.11ax (20MHz BW)

Data Rate: MCS11

RU Index: 4

Distance of Measurements: 3 Meters

Operating Frequency: 5200MHz

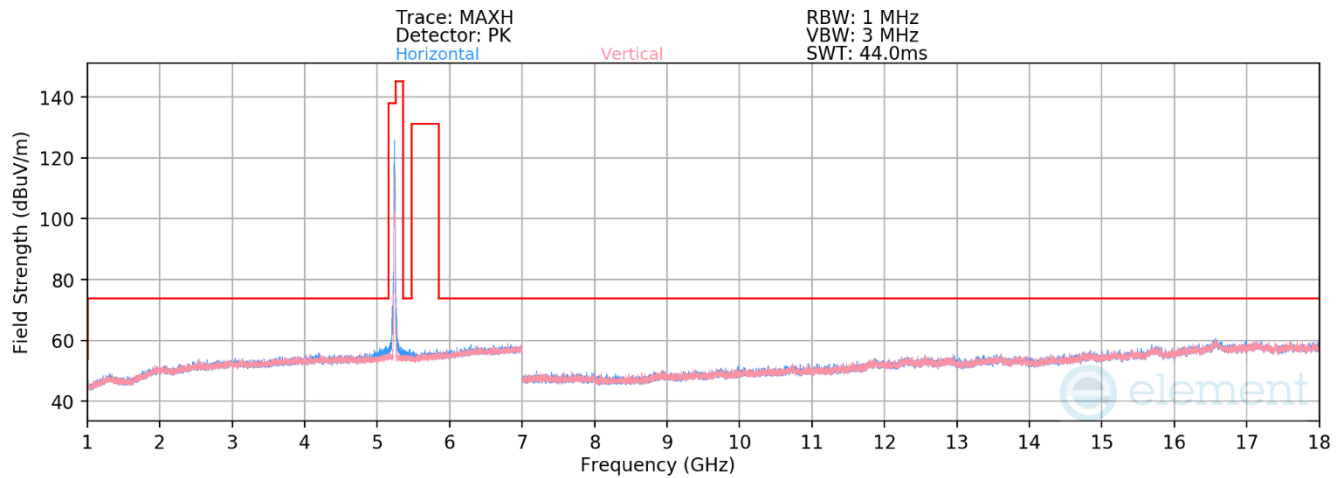
Channel: 40

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBuV/m] | Limit [dBuV/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| 10400.00        | Peak     | H               | -                   | -                          | -70.37               | 15.08       | 51.70                   | 68.23          | -16.53      |
| * 15600.00      | Average  | H               | -                   | -                          | -84.55               | 23.71       | 46.16                   | 53.98          | -7.82       |
| * 15600.00      | Peak     | H               | -                   | -                          | -73.21               | 23.71       | 57.50                   | 73.98          | -16.48      |

Table 7-125. Radiated Measurements CDD (RU26)

|   |   |                                       |                                 |
|---|---|---------------------------------------|---------------------------------|
| FCC ID: BCGA3266<br>IC: 579C-A3266      |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2410210072-11.BCG | Test Dates:<br>10/25/2024 - 1/2/2025  | EUT Type:<br>Tablet Device            | Page 102 of 184                 |

V 10.6 10/27/2023



Plot 7-36. RSE above 1GHz CDD (11ax – Ch.48 – RU26)

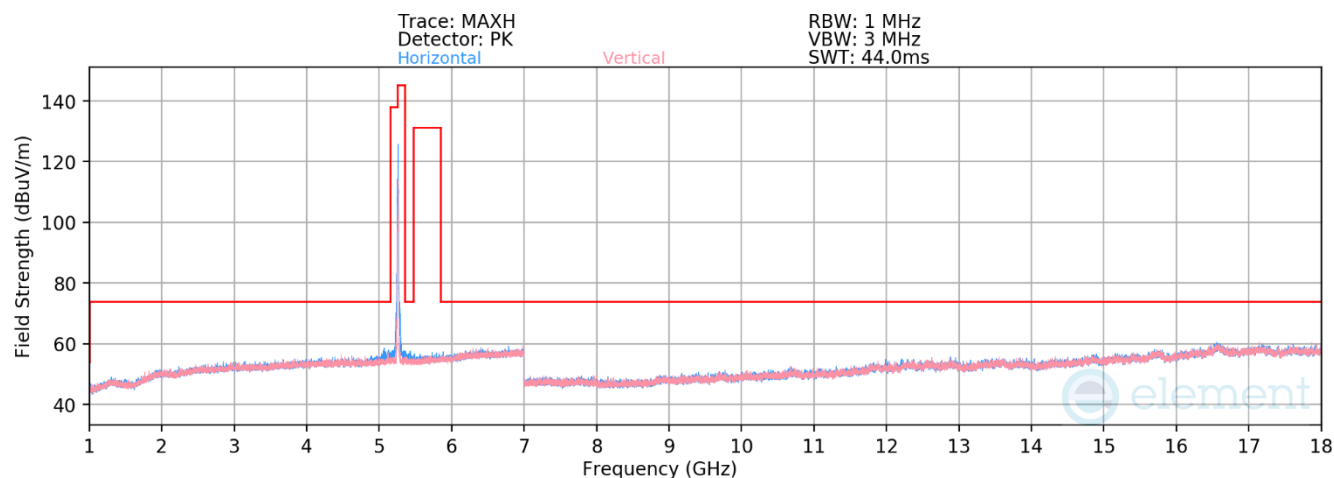
Mode: 802.11ax (20MHz BW)  
Data Rate: MCS11  
RU Index: 4  
Distance of Measurements: 3 Meters  
Operating Frequency: 5240MHz  
Channel: 48

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBuV/m] | Limit [dBuV/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| 10480.00        | Peak     | H               | -                   | -                          | -69.36               | 14.76       | 52.40                   | 68.23          | -15.83      |
| * 15720.00      | Average  | V               | -                   | -                          | -84.67               | 24.36       | 46.70                   | 53.98          | -7.28       |
| * 15720.00      | Peak     | V               | -                   | -                          | -73.15               | 24.20       | 58.05                   | 73.98          | -15.93      |

Table 7-126. Radiated Measurements CDD (RU26)

|   |   |                                       |                                 |
|---|---|---------------------------------------|---------------------------------|
| FCC ID: BCGA3266<br>IC: 579C-A3266      |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2410210072-11.BCG | Test Dates:<br>10/25/2024 - 1/2/2025  | EUT Type:<br>Tablet Device            | Page 103 of 184                 |

V 10.6 10/27/2023



Plot 7-37. RSE above 1GHz CDD (11ax – Ch.52 – RU52)

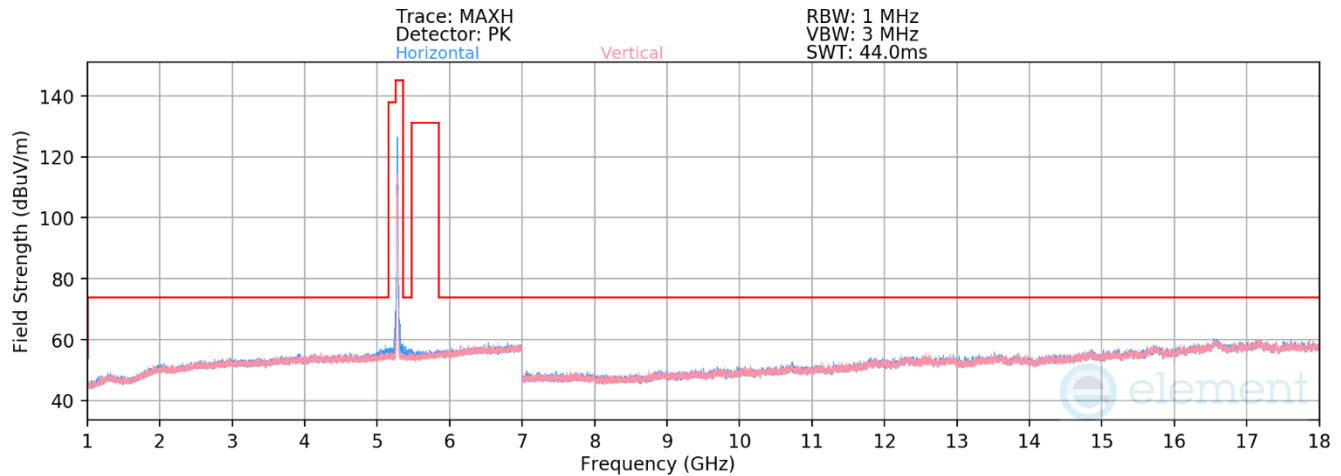
Mode: 802.11ax (20MHz BW)  
Data Rate: MCS11  
RU Index: 39  
Distance of Measurements: 3 Meters  
Operating Frequency: 5260MHz  
Channel: 52

|   | Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBuV/m] | Limit [dBuV/m] | Margin [dB] |
|---|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
|   | 10520.00        | Peak     | V               | -                   | -                          | -70.09               | 14.60       | 51.51                   | 68.23          | -16.72      |
| * | 15780.00        | Average  | V               | -                   | -                          | -85.34               | 24.99       | 46.65                   | 53.98          | -7.33       |
| * | 15780.00        | Peak     | V               | -                   | -                          | -74.40               | 24.99       | 57.58                   | 73.98          | -16.40      |

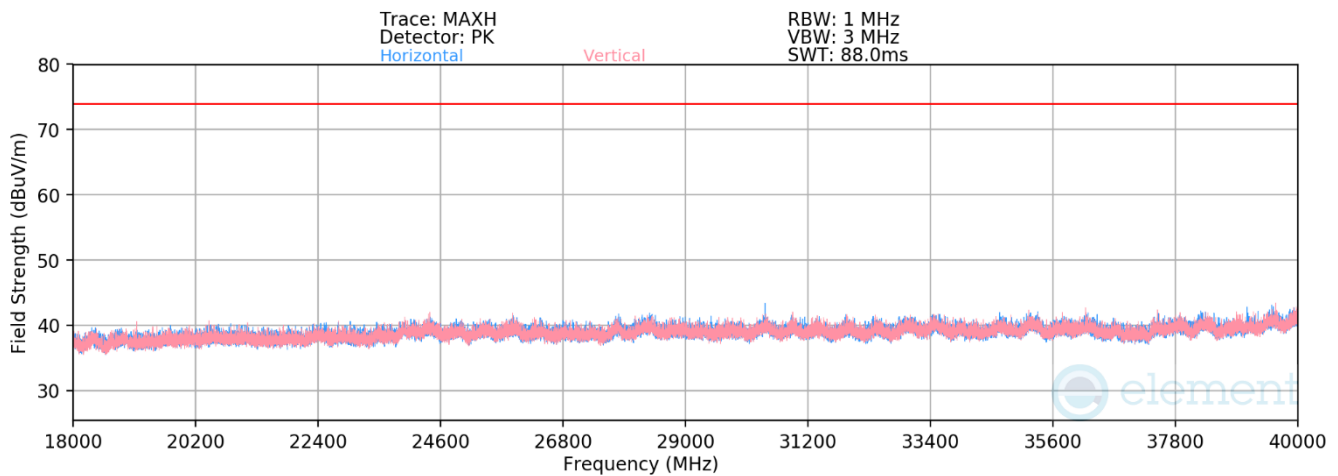
Table 7-127. Radiated Measurements CDD (RU52)

|   |   |                                       |                                 |
|---|---|---------------------------------------|---------------------------------|
| FCC ID: BCGA3266<br>IC: 579C-A3266      |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2410210072-11.BCG | Test Dates:<br>10/25/2024 - 1/2/2025  | EUT Type:<br>Tablet Device            | Page 104 of 184                 |

V 10.6 10/27/2023



Plot 7-38. RSE above 1GHz CDD (11ax - Ch.56 - RU52)



Plot 7-39. RSE 18GHz - 40 GHz CDD (11ax Ch.56 - RU52)

|                           |                     |
|---------------------------|---------------------|
| Mode:                     | 802.11ax (20MHz BW) |
| Data Rate:                | MCS11               |
| RU Index:                 | 39                  |
| Distance of Measurements: | 3 Meters            |
| Operating Frequency:      | 5280MHz             |
| Channel:                  | 56                  |

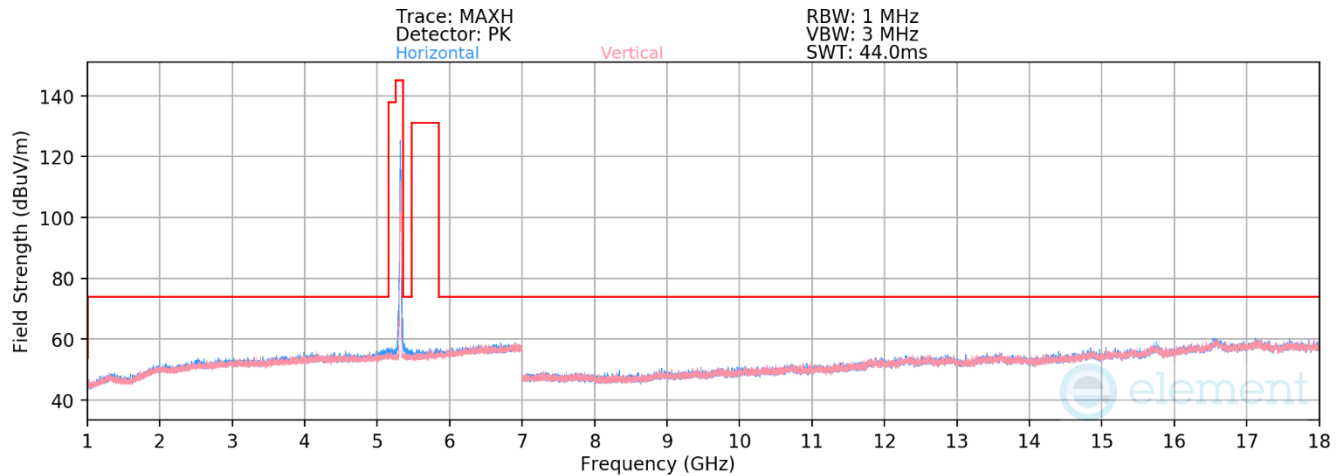
|   | Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBuV/m] | Limit [dBuV/m] | Margin [dB] |
|---|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| * | 10560.00        | Peak     | V               | -                   | -                          | -70.27               | 14.82       | 51.55                   | 68.23          | -16.68      |
| * | 15840.00        | Average  | V               | -                   | -                          | -84.90               | 24.28       | 46.37                   | 53.98          | -7.61       |
| * | 15840.00        | Peak     | V               | -                   | -                          | -73.99               | 24.28       | 57.28                   | 73.98          | -16.70      |

Table 7-128. Radiated Measurements CDD (RU52)

|   |   |                                       |                                 |
|---|---|---------------------------------------|---------------------------------|
| FCC ID: BCGA3266<br>IC: 579C-A3266      |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2410210072-11.BCG | Test Dates:<br>10/25/2024 - 1/2/2025  | EUT Type:<br>Tablet Device            | Page 105 of 184                 |

V 10.6 10/27/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact [ct.info@element.com](mailto:ct.info@element.com).



Plot 7-40. RSE above 1GHz CDD (11ax – Ch.64 – RU52)

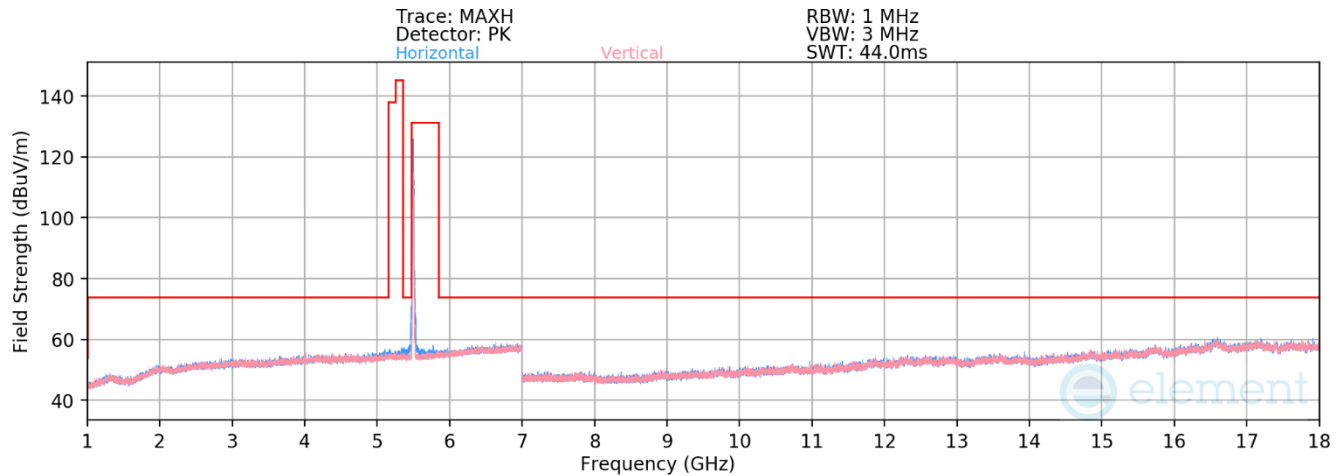
Mode: 802.11ax (20MHz BW)  
Data Rate: MCS11  
RU Index: 39  
Distance of Measurements: 3 Meters  
Operating Frequency: 5320MHz  
Channel: 64

|   | Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBuV/m] | Limit [dBuV/m] | Margin [dB] |
|---|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| * | 10640.00        | Average  | H               | -                   | -                          | -81.79               | 15.82       | 41.03                   | 53.98          | -12.95      |
| * | 10640.00        | Peak     | H               | -                   | -                          | -70.31               | 15.31       | 52.00                   | 73.98          | -21.98      |
| * | 15960.00        | Average  | V               | -                   | -                          | -84.27               | 23.74       | 46.47                   | 53.98          | -7.51       |
| * | 15960.00        | Peak     | V               | -                   | -                          | -72.79               | 23.73       | 57.94                   | 73.98          | -16.04      |

Table 7-129. Radiated Measurements CDD (RU52)

|   |   |                                       |                                 |
|---|---|---------------------------------------|---------------------------------|
| FCC ID: BCGA3266<br>IC: 579C-A3266      |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2410210072-11.BCG | Test Dates:<br>10/25/2024 - 1/2/2025  | EUT Type:<br>Tablet Device            | Page 106 of 184                 |

V 10.6 10/27/2023



Plot 7-41. RSE above 1GHz CDD (11ax – Ch.100 – RU52)

|                           |                     |
|---------------------------|---------------------|
| Mode:                     | 802.11ax (20MHz BW) |
| Data Rate:                | MCS11               |
| RU Index:                 | 39                  |
| Distance of Measurements: | 3 Meters            |
| Operating Frequency:      | 5500MHz             |
| Channel:                  | 100                 |

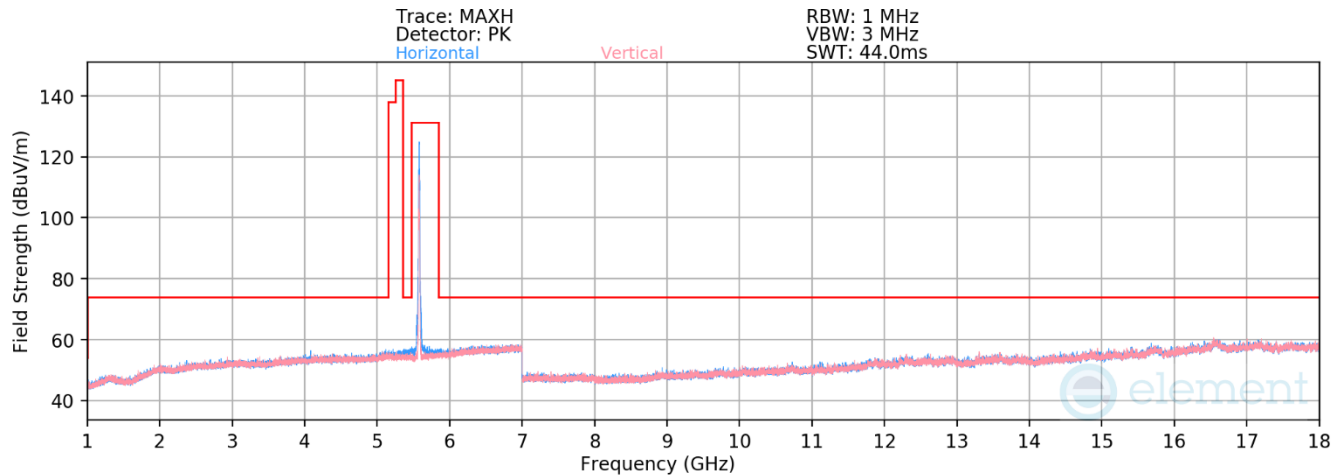
|   | Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBuV/m] | Limit [dBuV/m] | Margin [dB] |
|---|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| * | 11000.00        | Average  | V               | -                   | -                          | -82.15               | 15.97       | 40.81                   | 53.98          | -13.17      |
| * | 11000.00        | Peak     | V               | -                   | -                          | -70.04               | 15.71       | 52.66                   | 73.98          | -21.32      |
|   | 16500.00        | Peak     | V               | -                   | -                          | -72.11               | 23.34       | 58.24                   | 68.23          | -9.99       |

Table 7-130. Radiated Measurements CDD (RU52)

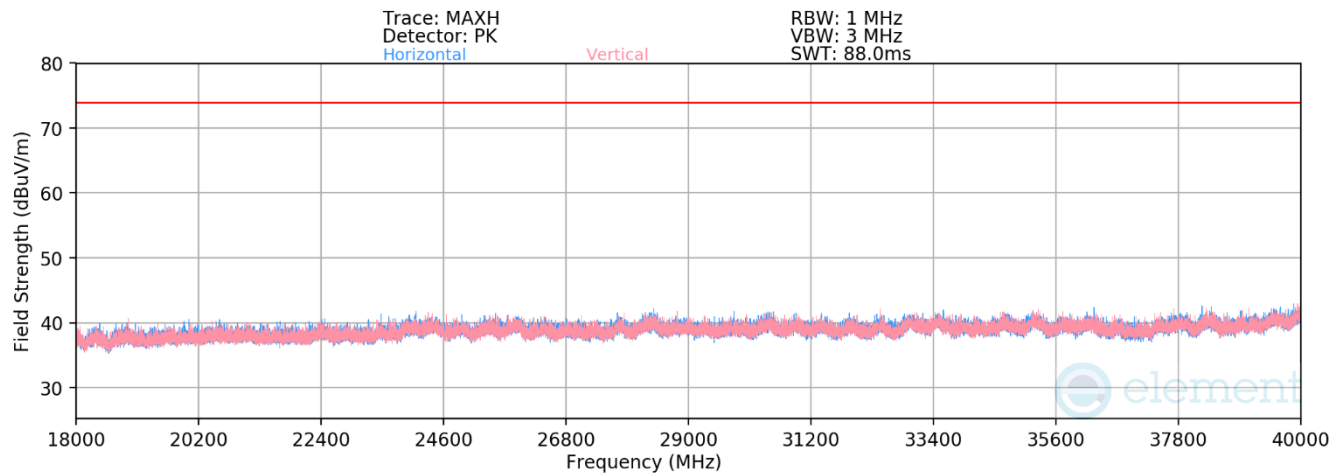
|   |   |                                       |                                 |
|---|---|---------------------------------------|---------------------------------|
| FCC ID: BCGA3266<br>IC: 579C-A3266      |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2410210072-11.BCG | Test Dates:<br>10/25/2024 - 1/2/2025  | EUT Type:<br>Tablet Device            | Page 107 of 184                 |

V 10.6 10/27/2023





Plot 7-42. RSE above 1GHz CDD (11ax – Ch.116 – RU52)



Plot 7-43. RSE 18GHz – 40 GHz CDD (11ax Ch.116 — RU52)

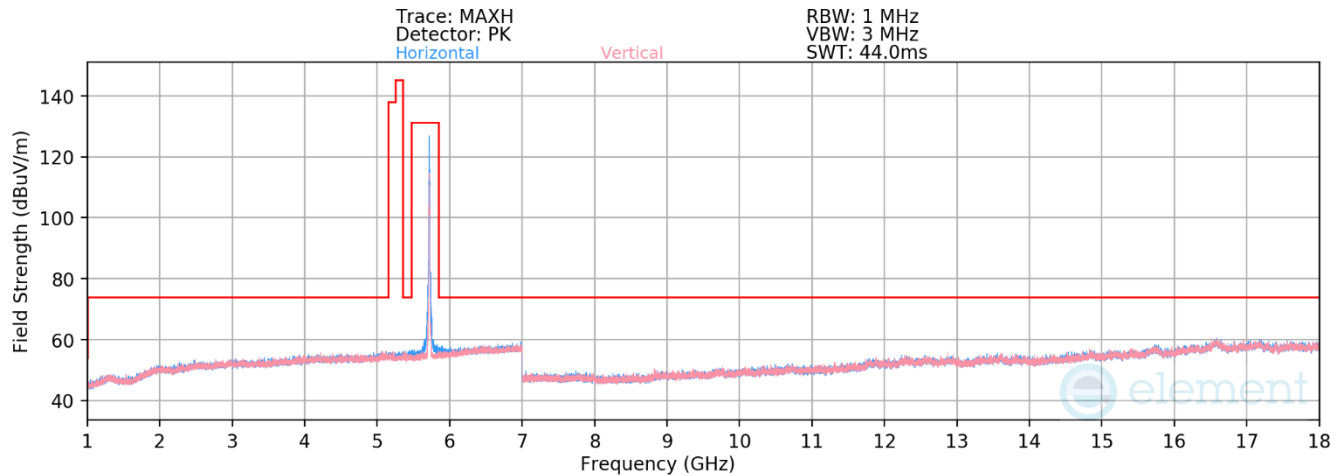
Mode: 802.11ax (20MHz BW)  
Data Rate: MCS11  
RU Index: 39  
Distance of Measurements: 3 Meters  
Operating Frequency: 5580MHz  
Channel: 116

|   | Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBuV/m] | Limit [dBuV/m] | Margin [dB] |
|---|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| * | 11160.00        | Average  | H               | -                   | -                          | -81.62               | 15.92       | 41.31                   | 53.98          | -12.67      |
| * | 11160.00        | Peak     | H               | -                   | -                          | -70.69               | 16.32       | 52.63                   | 73.98          | -21.35      |
|   | 16740.00        | Peak     | V               | -                   | -                          | -73.04               | 24.21       | 58.17                   | 68.23          | -10.06      |

Table 7-131. Radiated Measurements CDD (RU52)

|   |   |                                       |                                 |
|---|---|---------------------------------------|---------------------------------|
| FCC ID: BCGA3266<br>IC: 579C-A3266      |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2410210072-11.BCG | Test Dates:<br>10/25/2024 - 1/2/2025  | EUT Type:<br>Tablet Device            | Page 108 of 184                 |

V 10.6 10/27/2023



Plot 7-44. RSE above 1GHz CDD (11ax – Ch.144 – RU52)

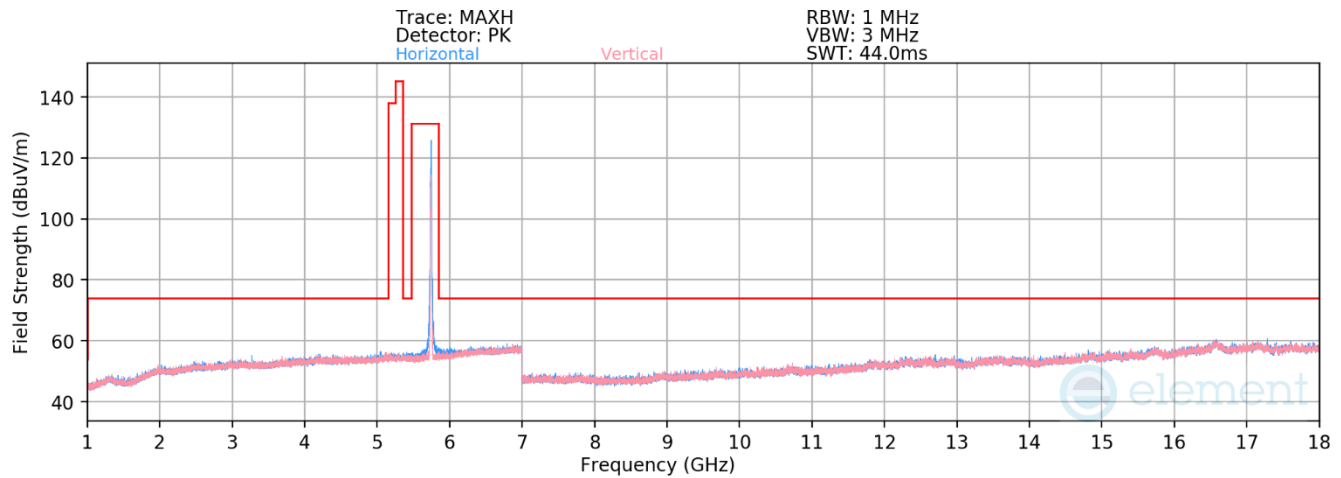
Mode: 802.11ax (20MHz BW)  
Data Rate: MCS11  
RU Index: 39  
Distance of Measurements: 3 Meters  
Operating Frequency: 5720MHz  
Channel: 144

|   | Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBuV/m] | Limit [dBuV/m] | Margin [dB] |
|---|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| * | 11440.00        | Average  | V               | -                   | -                          | -82.43               | 16.44       | 41.01                   | 53.98          | -12.97      |
| * | 11440.00        | Peak     | V               | -                   | -                          | -71.45               | 16.67       | 52.23                   | 73.98          | -21.75      |
|   | 17160.00        | Peak     | V               | -                   | -                          | -72.20               | 24.26       | 59.05                   | 68.23          | -9.18       |

Table 7-132. Radiated Measurements CDD (RU52)

|   |   |                                       |                                 |
|---|---|---------------------------------------|---------------------------------|
| FCC ID: BCGA3266<br>IC: 579C-A3266      |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2410210072-11.BCG | Test Dates:<br>10/25/2024 - 1/2/2025  | EUT Type:<br>Tablet Device            | Page 109 of 184                 |

V 10.6 10/27/2023



Plot 7-45. RSE above 1GHz CDD (11ax – Ch.149 – RU26)

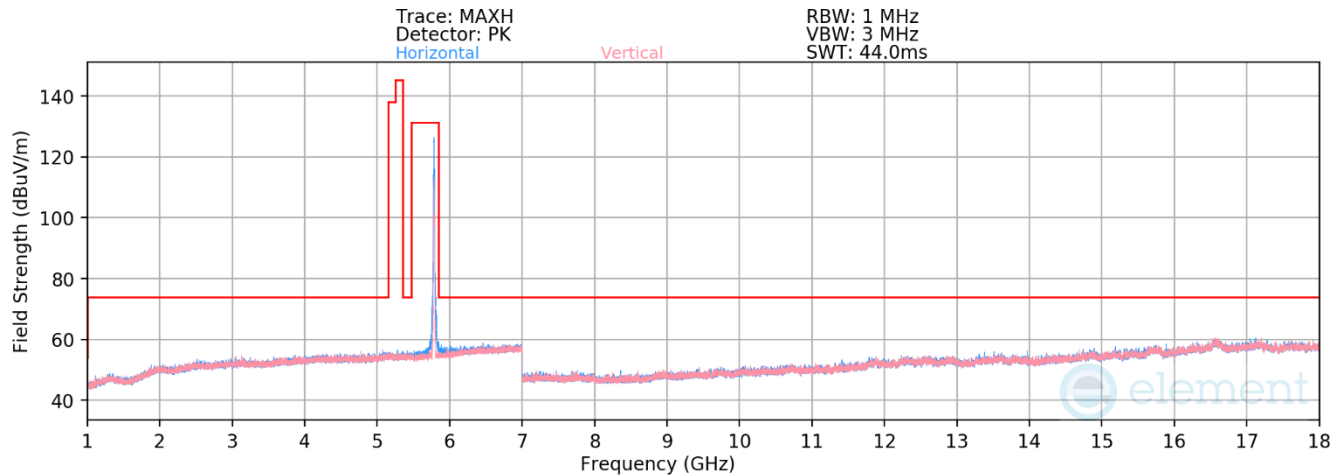
Mode: 802.11ax (20MHz BW)  
Data Rate: MCS11  
RU Index: 4  
Distance of Measurements: 3 Meters  
Operating Frequency: 5745MHz  
Channel: 149

|   | Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBuV/m] | Limit [dBuV/m] | Margin [dB] |
|---|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| * | 11490.00        | Average  | H               | -                   | -                          | -82.12               | 16.31       | 41.19                   | 53.98          | -12.79      |
| * | 11490.00        | Peak     | H               | -                   | -                          | -70.88               | 16.31       | 52.43                   | 73.98          | -21.55      |
|   | 17235.00        | Peak     | H               | -                   | -                          | -72.39               | 24.61       | 59.22                   | 68.23          | -9.01       |

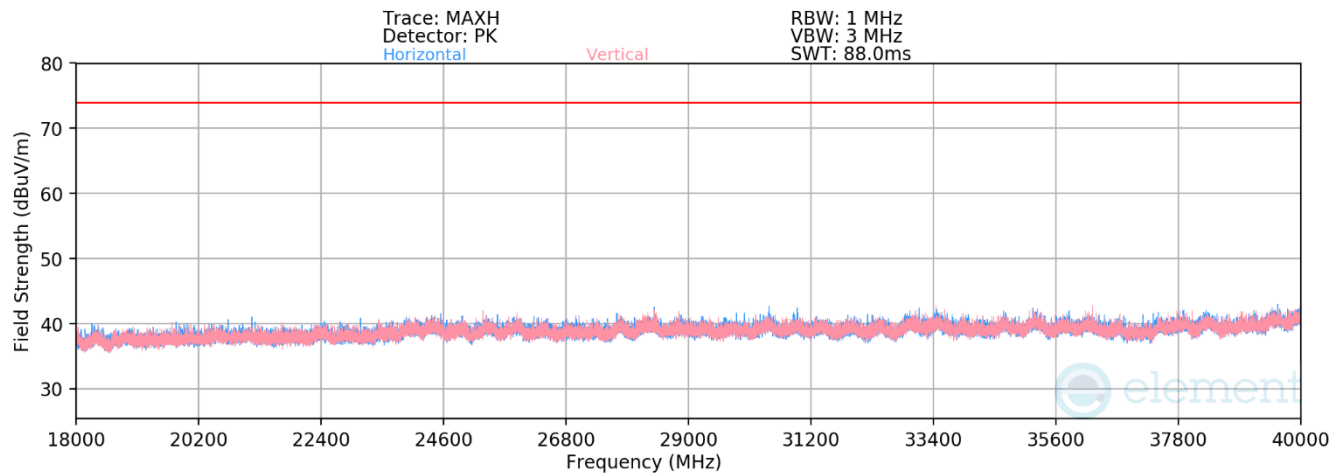
Table 7-133. Radiated Measurements CDD (RU26)

|   |   |                                       |                                 |
|---|---|---------------------------------------|---------------------------------|
| FCC ID: BCGA3266<br>IC: 579C-A3266      |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2410210072-11.BCG | Test Dates:<br>10/25/2024 - 1/2/2025  | EUT Type:<br>Tablet Device            | Page 110 of 184                 |

V 10.6 10/27/2023



Plot 7-46. RSE above 1GHz CDD (11ax - Ch.157 - RU26)



Plot 7-47. RSE 18GHz - 40 GHz CDD (11ax Ch.157 - RU26)

Mode: 802.11ax (20MHz BW)  
Data Rate: MCS11  
RU Index: 4  
Distance of Measurements: 3 Meters  
Operating Frequency: 5785MHz  
Channel: 157

|   | Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBuV/m] | Limit [dBuV/m] | Margin [dB] |
|---|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| * | 11570.00        | Average  | H               | -                   | -                          | -82.73               | 17.32       | 41.59                   | 53.98          | -12.39      |
| * | 11570.00        | Peak     | H               | -                   | -                          | -71.22               | 17.32       | 53.09                   | 73.98          | -20.89      |
|   | 17355.00        | Peak     | V               | -                   | -                          | -72.24               | 24.27       | 59.03                   | 68.23          | -9.20       |

Table 7-134. Radiated Measurements CDD (RU26)

|   |   |                                       |                                 |
|---|---|---------------------------------------|---------------------------------|
| FCC ID: BCGA3266<br>IC: 579C-A3266      |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2410210072-11.BCG | Test Dates:<br>10/25/2024 - 1/2/2025  | EUT Type:<br>Tablet Device            | Page 111 of 184                 |

V 10.6 10/27/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact [ct.info@element.com](mailto:ct.info@element.com).