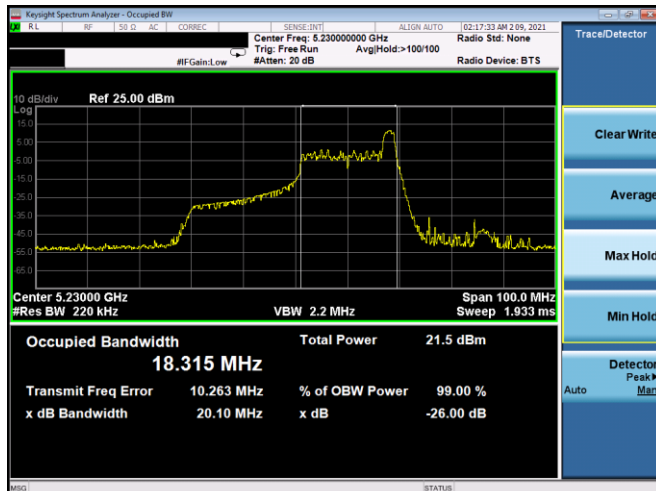
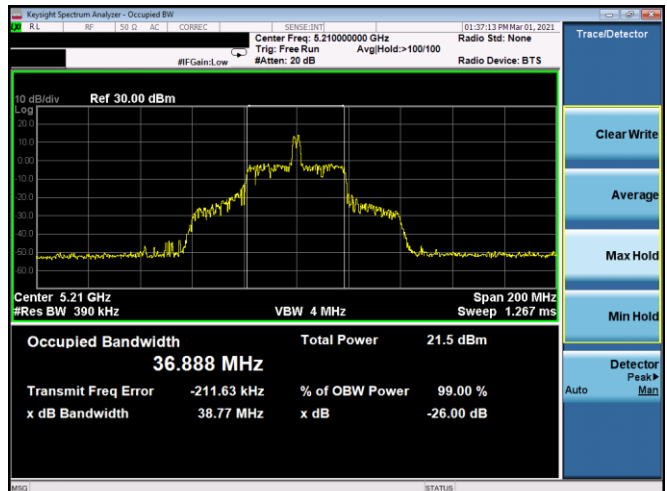
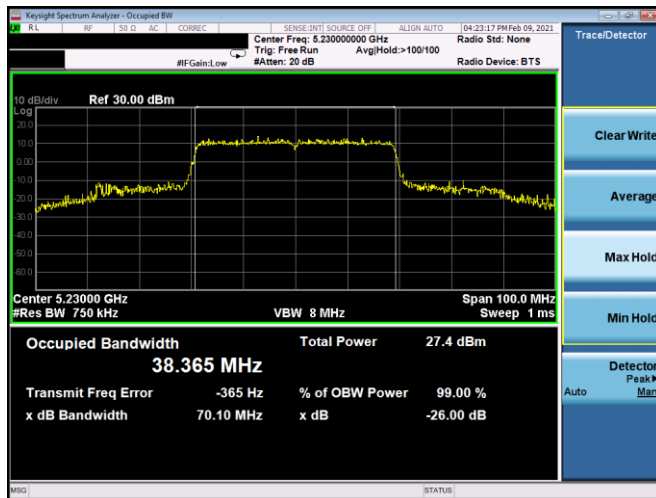




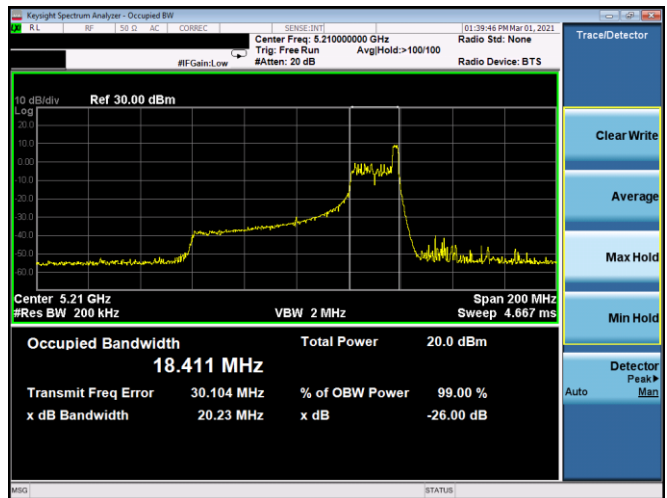
Plot 7-43. 26dB BW & 99% OBW Antenna 4b (40MHz BW 11ax Index 17 – RU26 – Ch.46)



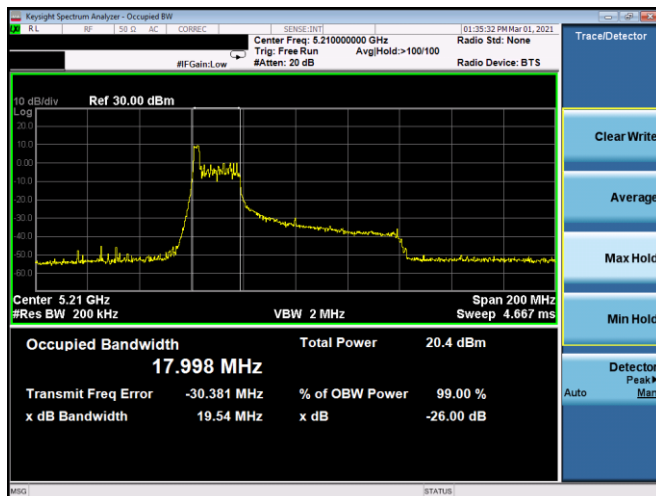
Plot 7-46. 26dB BW & 99% OBW Antenna 4b (80MHz BW 11ax Index 18 – RU26 – Ch.42)



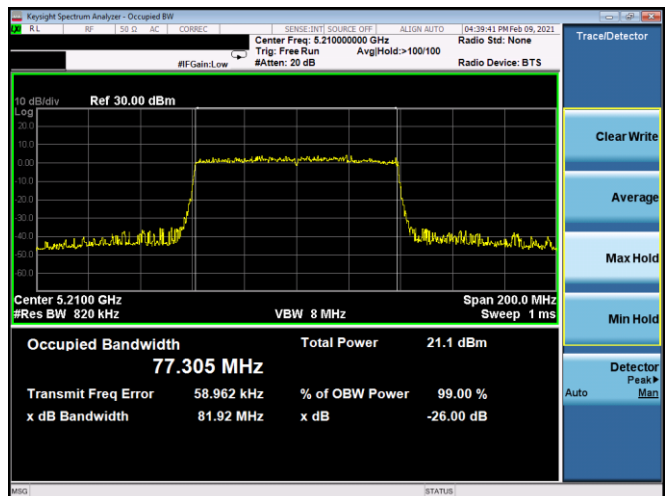
Plot 7-44. 26dB BW & 99% OBW Antenna 4b (40MHz BW 11ax – RU484 – Ch.46)



Plot 7-47. 26dB BW & 99% OBW Antenna 4b (80MHz BW 11ax Index 36 – RU26 – Ch.42)

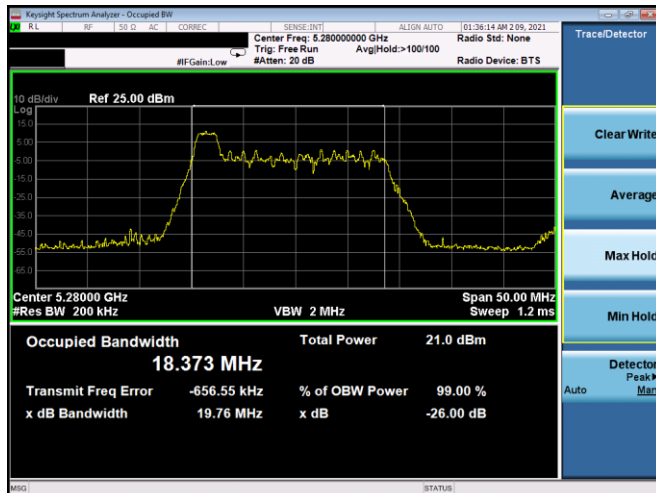


Plot 7-45. 26dB BW & 99% OBW Antenna 4b (80MHz BW 11ax Index 0 – RU26 – Ch.42)

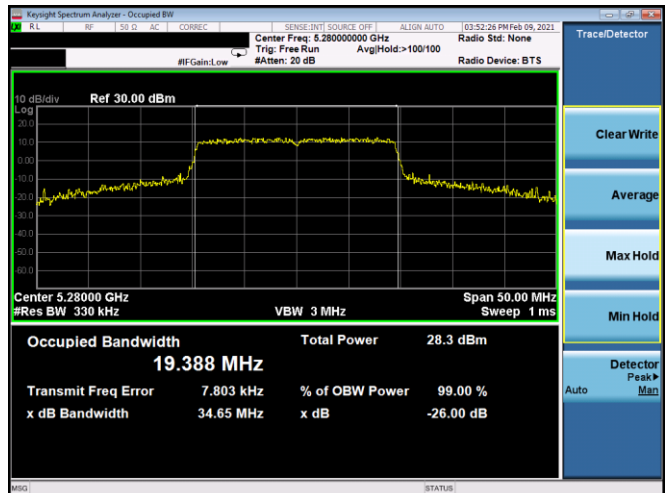


Plot 7-48. 26dB BW & 99% OBW Antenna 4b (80MHz BW 11ax – RU996 – Ch.42)

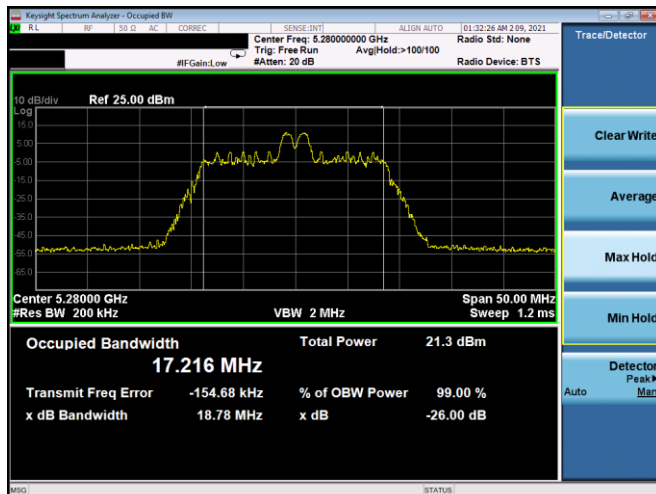
|                                            |                                              |                                       |                                 |
|--------------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2301<br>IC: 579C-A2301         | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2101020002-16-R1.BCG | Test Dates:<br>12/12/2020 - 3/10/2021        | EUT Type:<br>Tablet Device            | Page 27 of 257                  |



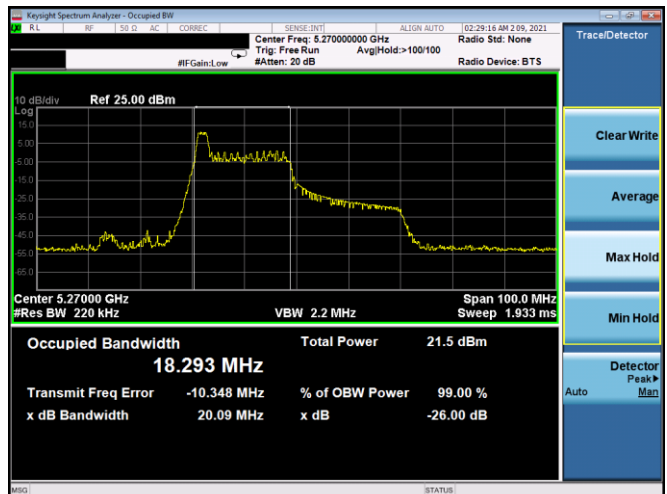
Plot 7-49. 26dB BW & 99% OBW Antenna 4b (20MHz BW 11ax Index 0 – RU26 – Ch.56)



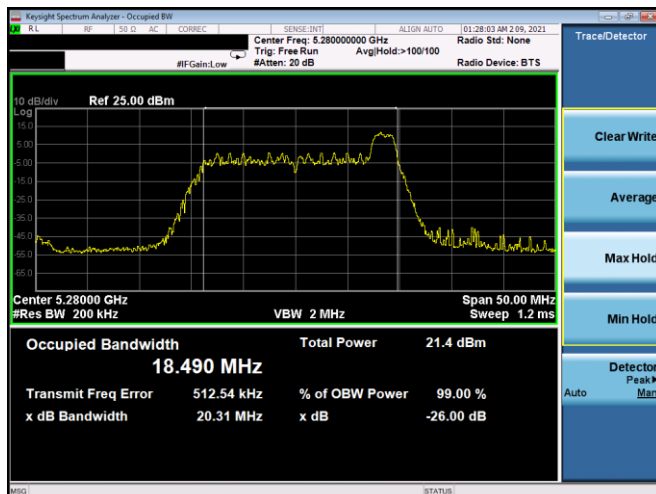
Plot 7-52. 26dB BW & 99% OBW Antenna 4b (20MHz BW 11ax– RU242 – Ch.56)



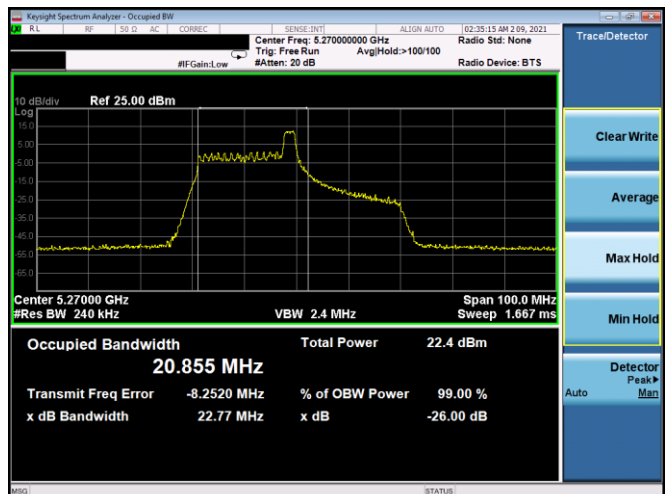
Plot 7-50. 26dB BW & 99% OBW Antenna 4b (20MHz BW 11ax Index 4 – RU26 – Ch.56)



Plot 7-53. 26dB BW & 99% OBW Antenna 4b (40MHz BW 11ax Index 0 – RU26 – Ch.54)

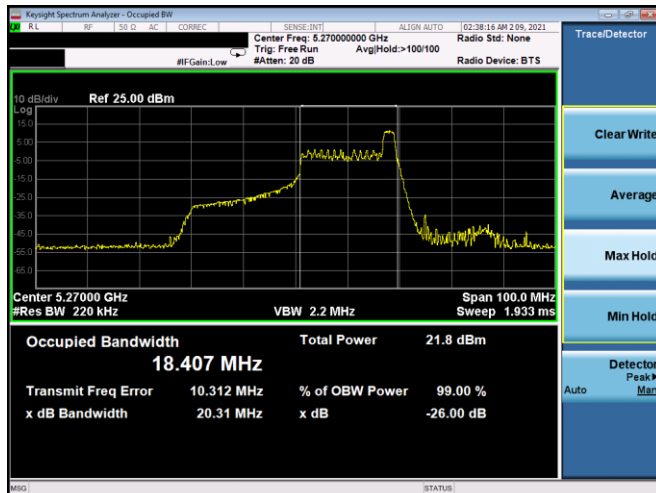


Plot 7-51. 26dB BW & 99% OBW Antenna 4b (20MHz BW 11ax Index 8– RU26 – Ch.56)

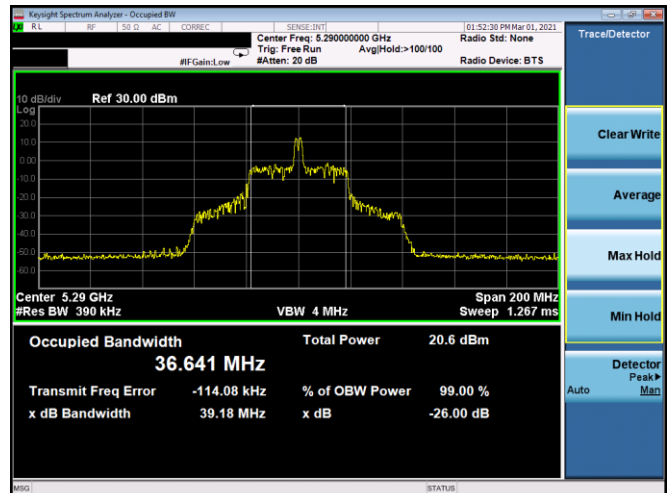


Plot 7-54. 26dB BW & 99% OBW Antenna 4b (40MHz BW 11ax Index 8 – RU26 – Ch.54)

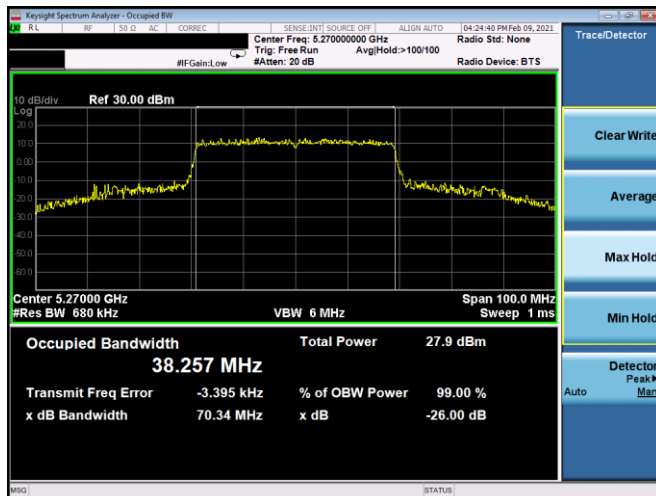
|                                            |                                              |                                       |                                 |
|--------------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2301<br>IC: 579C-A2301         | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2101020002-16-R1.BCG | Test Dates:<br>12/12/2020 - 3/10/2021        | EUT Type:<br>Tablet Device            | Page 28 of 257                  |



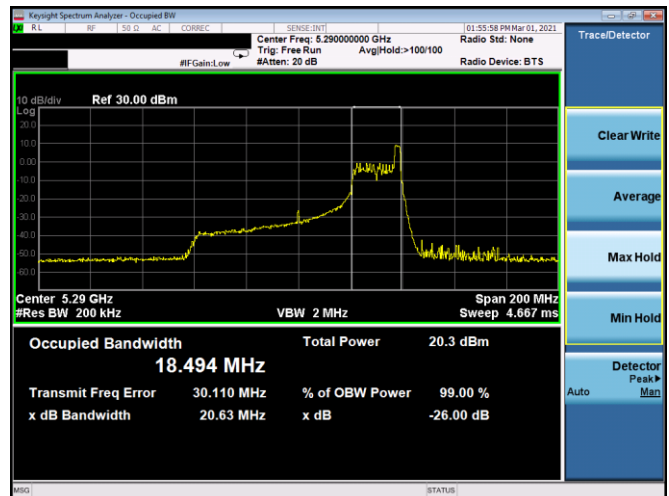
Plot 7-55. 26dB BW & 99% OBW Antenna 4b (40MHz BW 11ax Index 17 – RU26 – Ch.54)



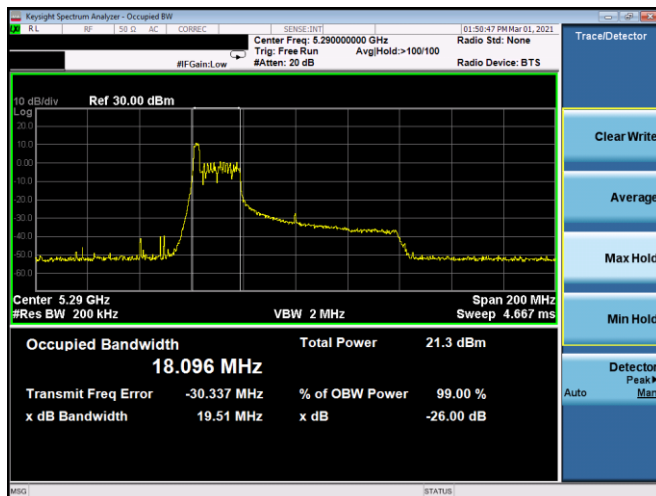
Plot 7-58. 26dB BW & 99% OBW Antenna 4b (80MHz BW 11ax Index 18 – RU26 – Ch.58)



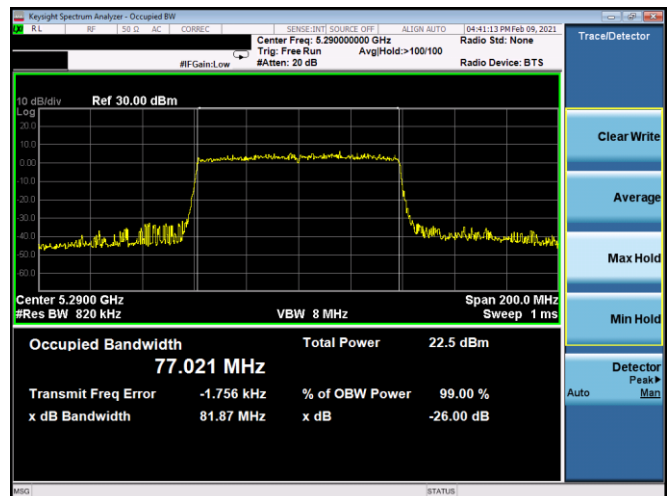
Plot 7-56. 26dB BW & 99% OBW Antenna 4b (40MHz BW 11ax – RU484 – Ch.54)



Plot 7-59. 26dB BW & 99% OBW Antenna 4b (80MHz BW 11ax Index 36 – RU26 – Ch.58)

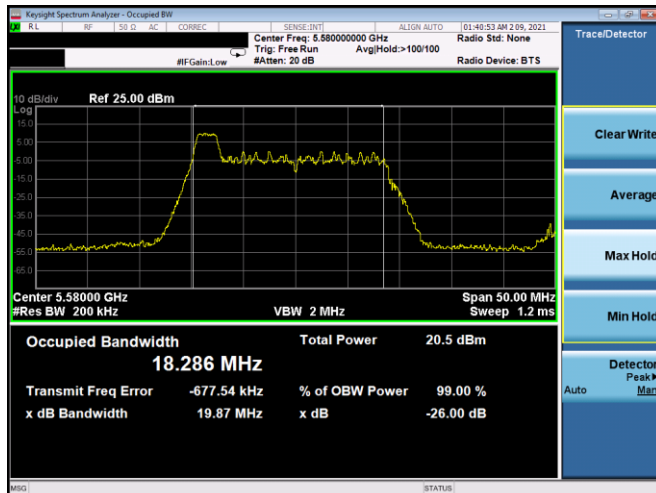


Plot 7-57. 26dB BW & 99% OBW Antenna 4b (80MHz BW 11ax Index 0 – RU26 – Ch.58)

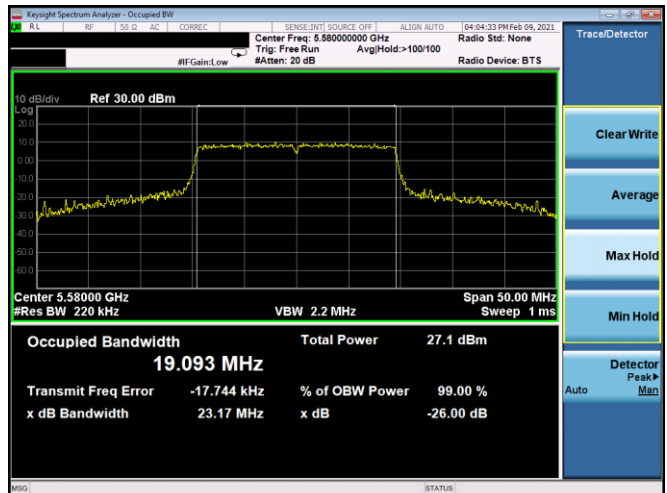


Plot 7-60. 26dB BW & 99% OBW Antenna 4b (80MHz BW 11ax – RU996 – Ch.58)

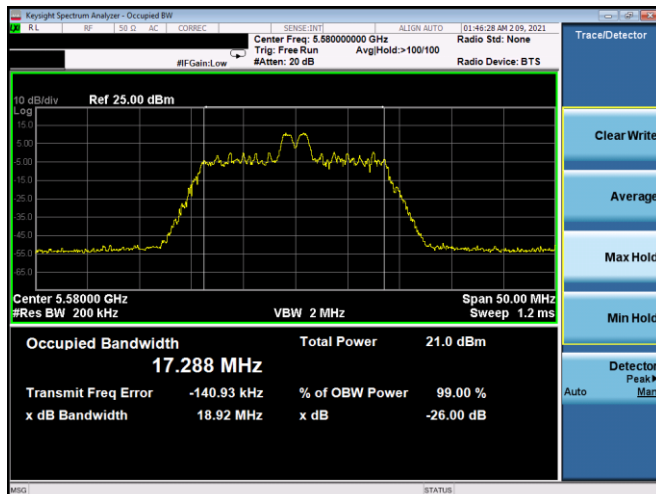
|                                            |                                              |                                       |                                 |
|--------------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2301<br>IC: 579C-A2301         | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2101020002-16-R1.BCG | Test Dates:<br>12/12/2020 - 3/10/2021        | EUT Type:<br>Tablet Device            | Page 29 of 257                  |



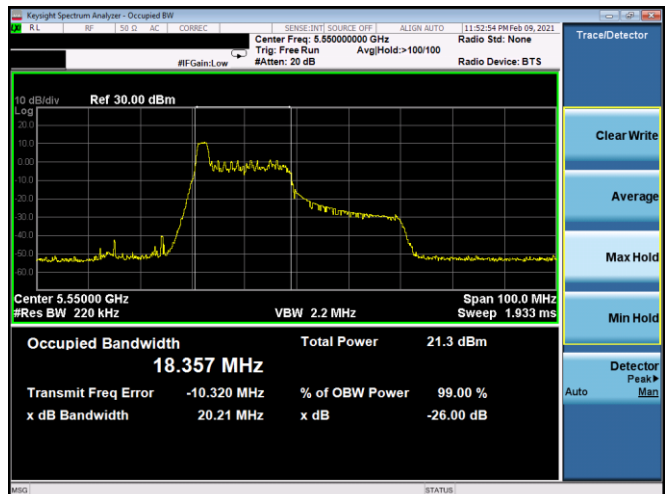
Plot 7-61. 26dB BW & 99% OBW Antenna 4b (20MHz BW 11ax Index 0 – RU26 – Ch.116)



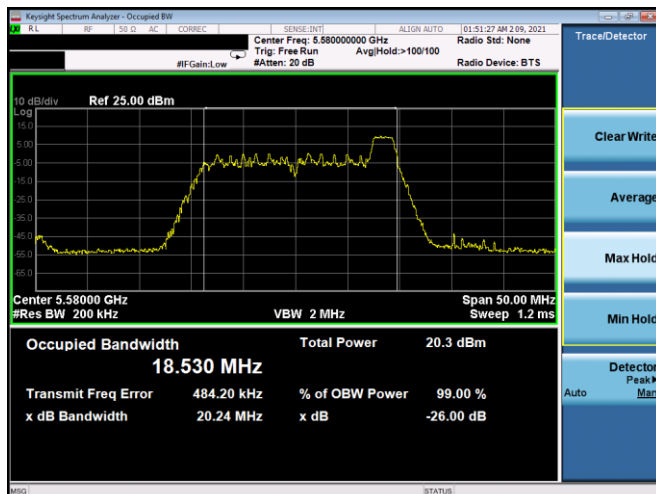
Plot 7-64. 26dB BW & 99% OBW Antenna 4b (20MHz BW 11ax– RU242 – Ch.116)



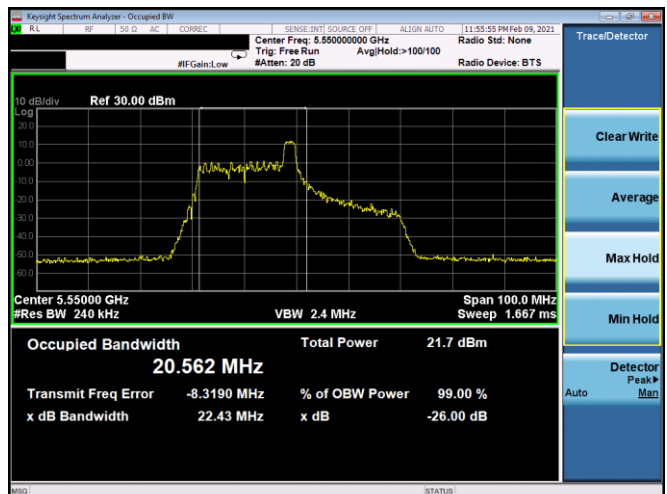
Plot 7-62. 26dB BW & 99% OBW Antenna 4b (20MHz BW 11ax Index 4 – RU26 – Ch.116)



Plot 7-65. 26dB BW & 99% OBW Antenna 4b (40MHz BW 11ax Index 0 – RU26 – Ch.110)

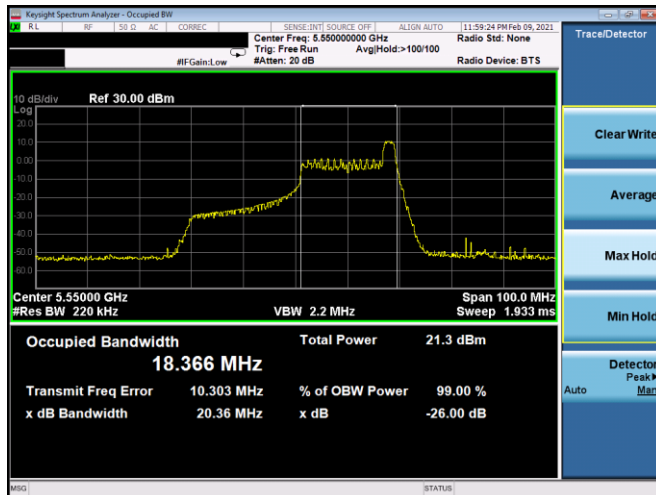


Plot 7-63. 26dB BW & 99% OBW Antenna 4b (20MHz BW 11ax Index 8– RU26 – Ch.116)

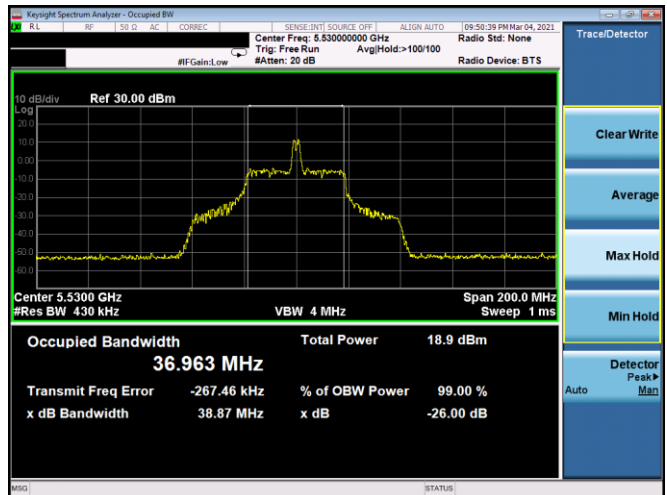


Plot 7-66. 26dB BW & 99% OBW Antenna 4b (40MHz BW 11ax Index 8 – RU26 – Ch.110)

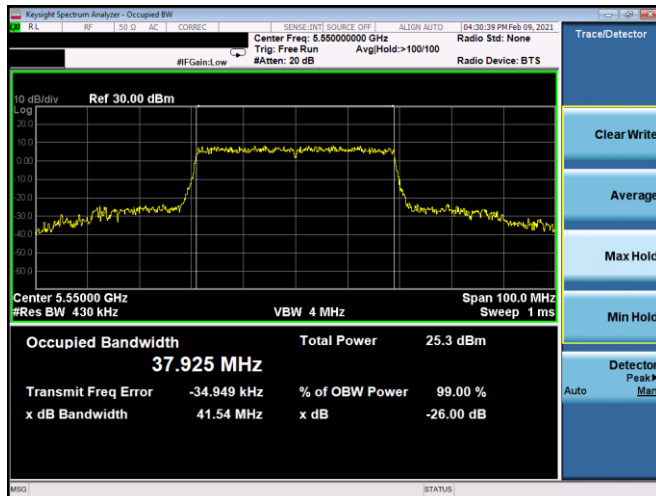
|                                            |                                              |                                       |                                 |
|--------------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2301<br>IC: 579C-A2301         | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2101020002-16-R1.BCG | Test Dates:<br>12/12/2020 - 3/10/2021        | EUT Type:<br>Tablet Device            | Page 30 of 257                  |



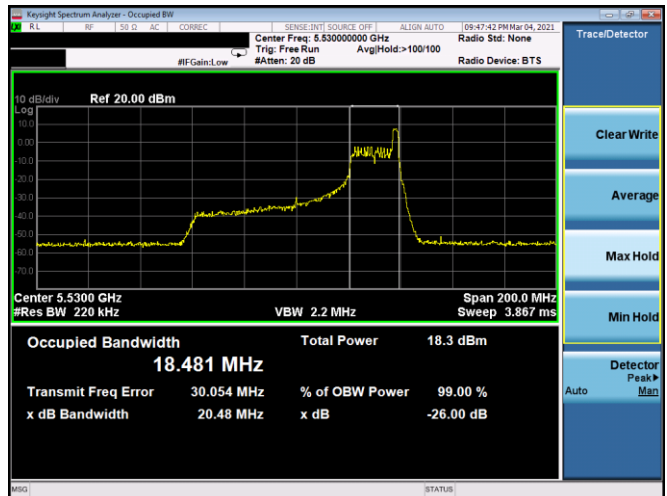
Plot 7-67. 26dB BW & 99% OBW Antenna 4b (40MHz BW 11ax Index 17 – RU26 – Ch.110)



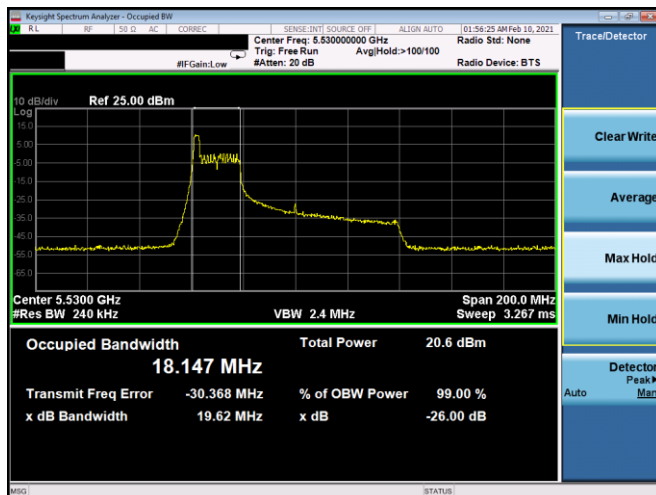
Plot 7-70. 26dB BW & 99% OBW Antenna 4b (80MHz BW 11ax Index 18 – RU26 – Ch.106)



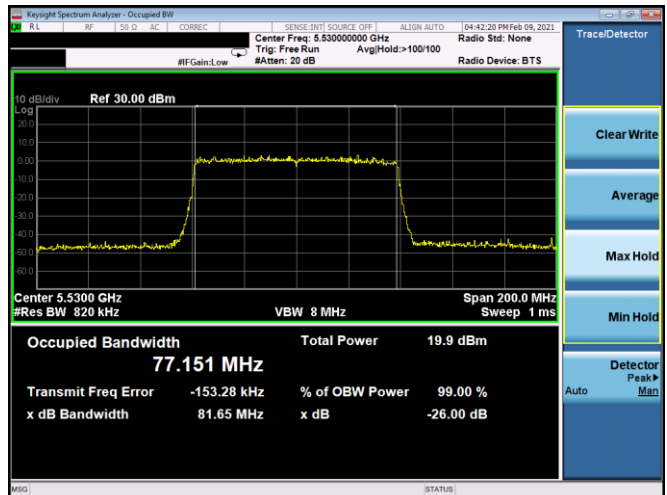
Plot 7-68. 26dB BW & 99% OBW Antenna 4b (40MHz BW 11ax – RU484 – Ch.110)



Plot 7-71. 26dB BW & 99% OBW Antenna 4b (80MHz BW 11ax Index 36 – RU26 – Ch.106)



Plot 7-69. 26dB BW & 99% OBW Antenna 4b (80MHz BW 11ax Index 0 – RU26 – Ch.106)



Plot 7-72. 26dB BW & 99% OBW Antenna 4b (80MHz BW 11ax – RU996 – Ch.106)

|                                            |                                              |                                       |                                 |
|--------------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2301<br>IC: 579C-A2301         | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2101020002-16-R1.BCG | Test Dates:<br>12/12/2020 - 3/10/2021        | EUT Type:<br>Tablet Device            | Page 31 of 257                  |

### 7.3 6dB & 99% Bandwidth Measurement – 802.11ax OFDMA

§2.1049; §15.407 (e); RSS-Gen [6.7]

#### Test Overview and Limit

The bandwidth at 6dB down from the highest in-band spectral density is measured with a spectrum analyzer connected to the antenna terminal while the EUT is operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10-2013 and KDB 789033 D02 v02r01, and at the appropriate frequencies. The spectrum analyzer's bandwidth measurement function is configured to measure the 6dB bandwidth.

***In the 5.725 – 5.850GHz band, the 6dB bandwidth must be  $\geq 500$  kHz.***

#### Test Procedure Used

ANSI C63.10-2013 – Section 6.9.2  
KDB 789033 D02 v02r01 – Section C

#### Test Settings

1. The signal analyzers' automatic bandwidth measurement capability was used to perform the 6dB bandwidth measurement. The "X" dB bandwidth parameter was set to  $X = 6$ . The automatic bandwidth measurement function also has the capability of simultaneously measuring the 99% occupied bandwidth. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
2. RBW = 100 kHz
3. VBW  $\geq 3 \times$  RBW
4. Detector = Peak
5. Trace mode = max hold
6. Sweep = auto couple

#### Test Setup

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



**Figure 7-2. Test Instrument & Measurement Setup**

#### Test Notes

1. All antenna configurations were investigated and only the worst case is reported
2. All RU's were investigated and only worst case partially-loaded and fully-loaded RU's were reported.
3. Low, mid, and high channels were tested and tabular data has been reported. Only mid channels bandwidths plots have been reported.

|                                                   |                                                                                                                                                                                                              |                                               |                                        |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|----------------------------------------|
| FCC ID: BCGA2301<br>IC: 579C-A2301                |  <b>PCTEST</b><br>Proud to be part of  | <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> | <b>Approved by:</b><br>Quality Manager |
| <b>Test Report S/N:</b><br>1C2101020002-16-R1.BCG | <b>Test Dates:</b><br>12/12/2020 - 3/10/2021                                                                                                                                                                 | <b>EUT Type:</b><br>Tablet Device             | Page 32 of 257                         |



## Antenna 5b 6dB & 99% Bandwidth Measurements

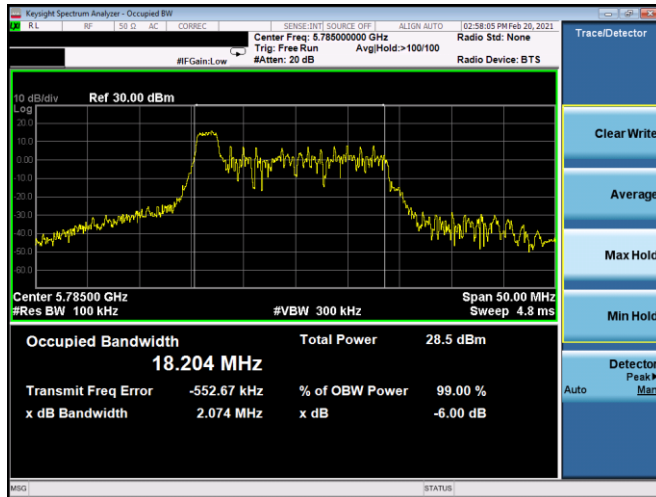
|        | Frequency [MHz] | Channel No. | 802.11 Mode | RU Size | RU Index | Data Rate [Mbps]  | 99% Occupied Bandwidth [MHz] | Measured 6dB Bandwidth [MHz] | Minimum 6dB Bandwidth [MHz] | Pass / Fail |
|--------|-----------------|-------------|-------------|---------|----------|-------------------|------------------------------|------------------------------|-----------------------------|-------------|
| Band 3 | 5745            | 149         | ax (20MHz)  | 26      | 0        | 135/143.4 (MCS11) | 18.17                        | 2.11                         | 0.50                        | Pass        |
|        |                 |             |             | 26      | 4        | 135/143.4 (MCS11) | 17.19                        | 2.62                         | 0.50                        | Pass        |
|        |                 |             |             | 26      | 8        | 135/143.4 (MCS11) | 18.37                        | 2.04                         | 0.50                        | Pass        |
|        | 5785            | 157         | ax (20MHz)  | 26      | 0        | 135/143.4 (MCS11) | 18.20                        | 2.07                         | 0.50                        | Pass        |
|        |                 |             |             | 26      | 4        | 135/143.4 (MCS11) | 17.15                        | 2.71                         | 0.50                        | Pass        |
|        |                 |             |             | 26      | 8        | 135/143.4 (MCS11) | 18.37                        | 2.10                         | 0.50                        | Pass        |
|        | 5825            | 165         | ax (20MHz)  | 26      | 0        | 135/143.4 (MCS11) | 18.04                        | 2.04                         | 0.50                        | Pass        |
|        |                 |             |             | 26      | 4        | 135/143.4 (MCS11) | 17.21                        | 2.67                         | 0.50                        | Pass        |
|        |                 |             |             | 26      | 8        | 135/143.4 (MCS11) | 18.40                        | 2.08                         | 0.50                        | Pass        |
|        | 5755            | 151         | ax (40MHz)  | 26      | 0        | 271/286.8 (MCS11) | 18.00                        | 2.16                         | 0.50                        | Pass        |
|        |                 |             |             | 26      | 8        | 271/286.8 (MCS11) | 19.01                        | 2.17                         | 0.50                        | Pass        |
|        |                 |             |             | 26      | 17       | 271/286.8 (MCS11) | 18.01                        | 2.16                         | 0.50                        | Pass        |
|        | 5795            | 159         | ax (40MHz)  | 26      | 0        | 271/286.8 (MCS11) | 17.97                        | 2.18                         | 0.50                        | Pass        |
|        |                 |             |             | 26      | 8        | 271/286.8 (MCS11) | 18.99                        | 2.12                         | 0.50                        | Pass        |
|        |                 |             |             | 26      | 17       | 271/286.8 (MCS11) | 18.01                        | 2.13                         | 0.50                        | Pass        |
|        | 5775            | 155         | ax (80MHz)  | 26      | 0        | 567/600.5 (MCS11) | 17.97                        | 2.25                         | 0.50                        | Pass        |
|        |                 |             |             | 26      | 18       | 567/600.5 (MCS11) | 36.22                        | 2.83                         | 0.50                        | Pass        |
|        |                 |             |             | 26      | 36       | 567/600.5 (MCS11) | 18.12                        | 2.20                         | 0.50                        | Pass        |

**Table 7-6. Conducted Bandwidth Measurements Antenna 5b (RU26)**

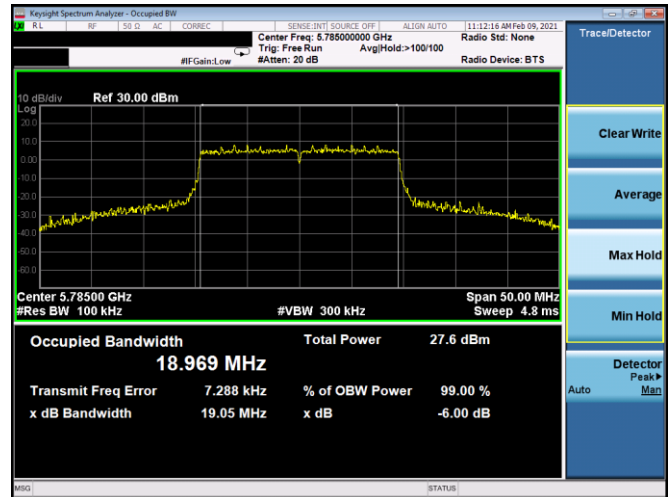
|        | Frequency [MHz] | Channel No. | 802.11 Mode | RU Size | RU Index | Data Rate [Mbps]  | 99% Occupied Bandwidth [MHz] | Measured 6dB Bandwidth [MHz] | Minimum 6dB Bandwidth [MHz] | Pass / Fail |
|--------|-----------------|-------------|-------------|---------|----------|-------------------|------------------------------|------------------------------|-----------------------------|-------------|
| Band 3 | 5745            | 149         | ax (20MHz)  | 242     | 61       | 135/143.4 (MCS11) | 18.96                        | 19.05                        | 0.50                        | Pass        |
|        | 5785            | 157         | ax (20MHz)  | 242     | 61       | 135/143.4 (MCS11) | 18.97                        | 19.05                        | 0.50                        | Pass        |
|        | 5825            | 165         | ax (20MHz)  | 242     | 61       | 135/143.4 (MCS11) | 18.96                        | 19.04                        | 0.50                        | Pass        |
|        | 5755            | 151         | ax (40MHz)  | 484     | 65       | 271/286.8 (MCS11) | 37.84                        | 38.17                        | 0.50                        | Pass        |
|        | 5795            | 159         | ax (40MHz)  | 484     | 65       | 271/286.8 (MCS11) | 37.84                        | 38.14                        | 0.50                        | Pass        |
|        | 5775            | 155         | ax (80MHz)  | 996     | 67       | 567/600.5 (MCS11) | 76.95                        | 77.75                        | 0.50                        | Pass        |

**Table 7-7. Conducted Bandwidth Measurements Antenna 5b (Fully- loaded RU)**

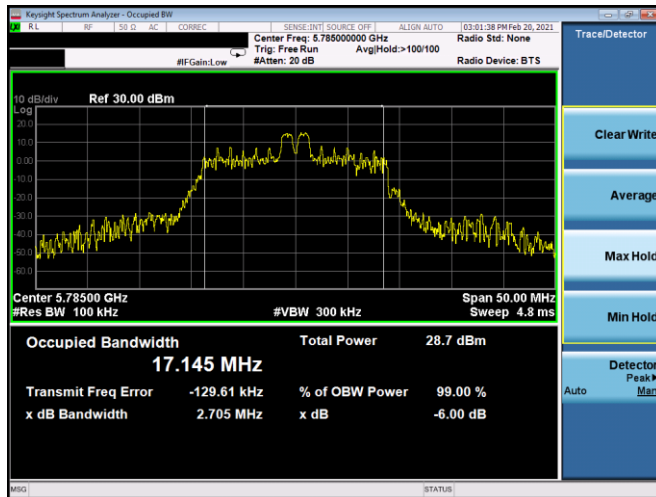
|                                            |                                                                                                                                   |                            |                                 |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2301<br>IC: 579C-A2301         |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2101020002-16-R1.BCG | Test Dates:<br>12/12/2020 - 3/10/2021                                                                                             | EUT Type:<br>Tablet Device | Page 33 of 257                  |



Plot 7-73. 6dB BW & 99% OBW Antenna 5b (20MHz BW 11ax Index 0 – RU26 – Ch.157)



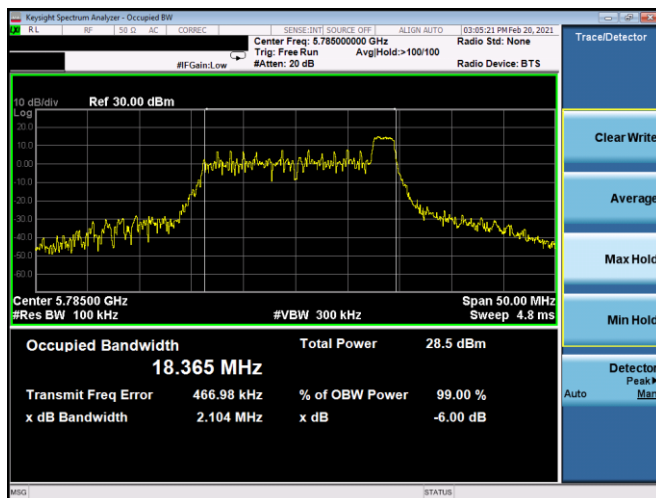
Plot 7-76. 6dB BW & 99% OBW Antenna 5b (20MHz BW 11ax – RU242 – Ch.157)



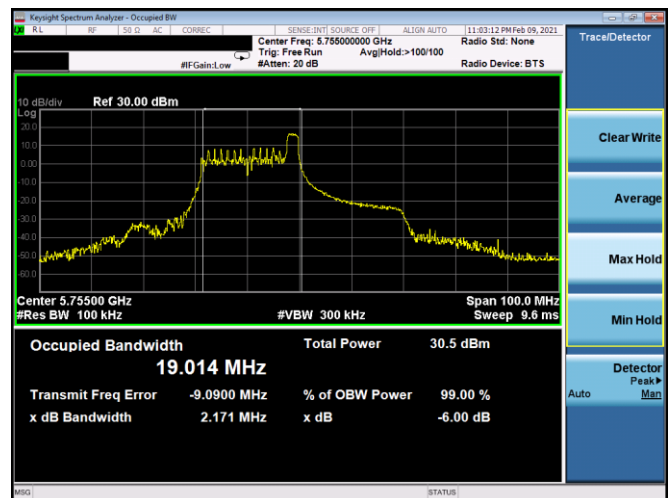
Plot 7-74. 6dB BW & 99% OBW Antenna 5b (20MHz BW 11ax Index 4 – RU26 – Ch.157)



Plot 7-77. 6dB BW & 99% OBW Antenna 5b (40MHz BW 11ax Index 0 – RU26 – Ch.151)



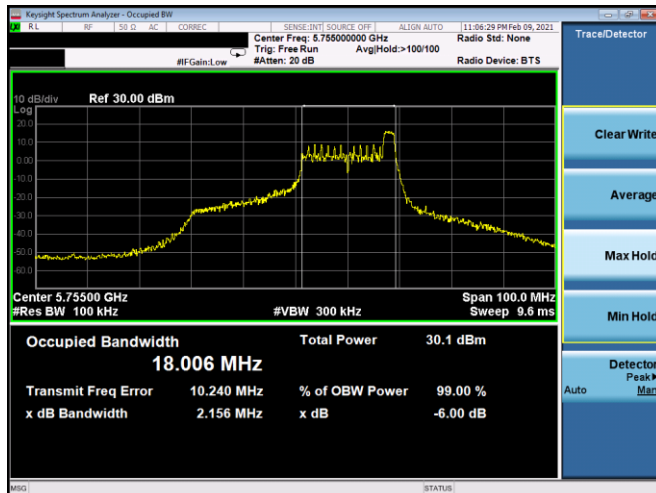
Plot 7-75. 6dB BW & 99% OBW Antenna 5b (20MHz BW 11ax Index 8 – RU26 – Ch.157)



Plot 7-78. 6dB BW & 99% OBW Antenna 5b (40MHz BW 11ax Index 8 – RU26 – Ch.151)

|                                            |                                              |                                       |                                 |
|--------------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2301<br>IC: 579C-A2301         | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2101020002-16-R1.BCG | Test Dates:<br>12/12/2020 - 3/10/2021        | EUT Type:<br>Tablet Device            | Page 34 of 257                  |

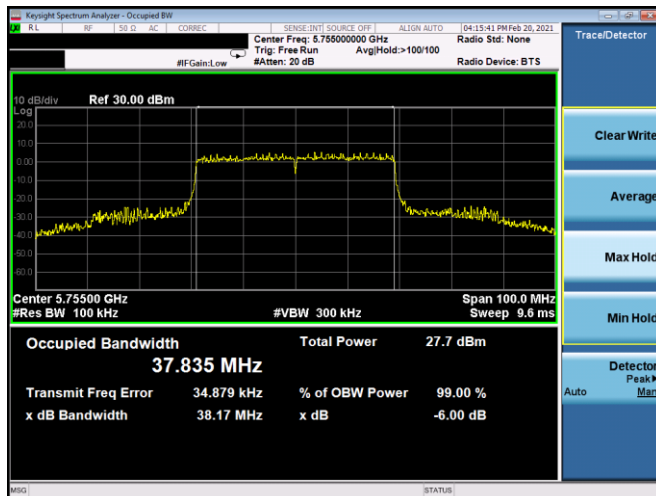




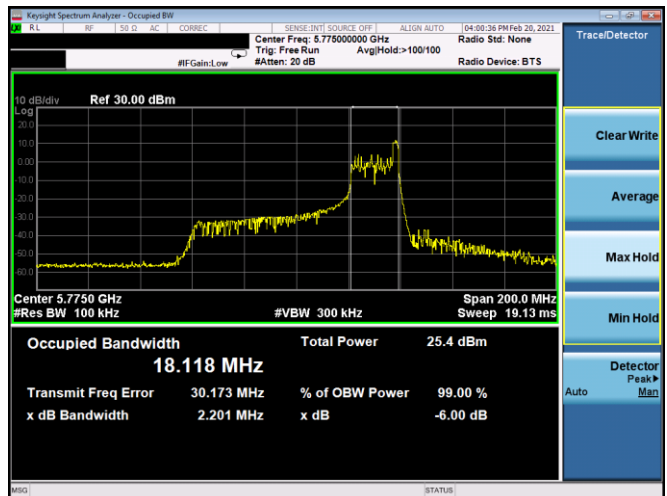
Plot 7-79. 6dB BW & 99% OBW Antenna 5b (40MHz BW 11ax Index 17 – RU26 – Ch.151)



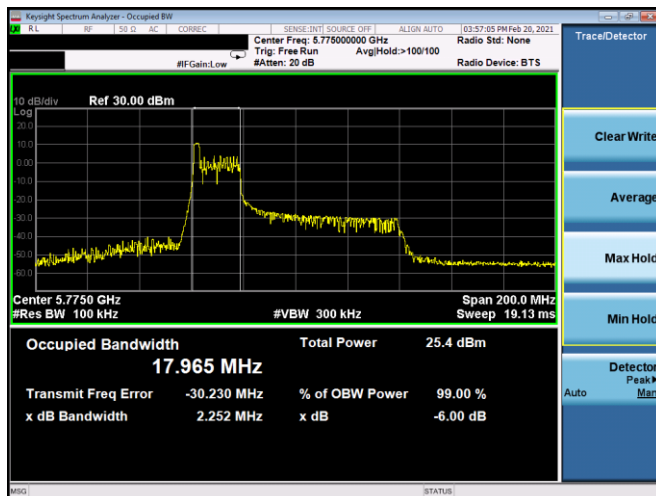
Plot 7-82. 6dB BW & 99% OBW Antenna 5b (80MHz BW 11ax Index 18 – RU26 – Ch.155)



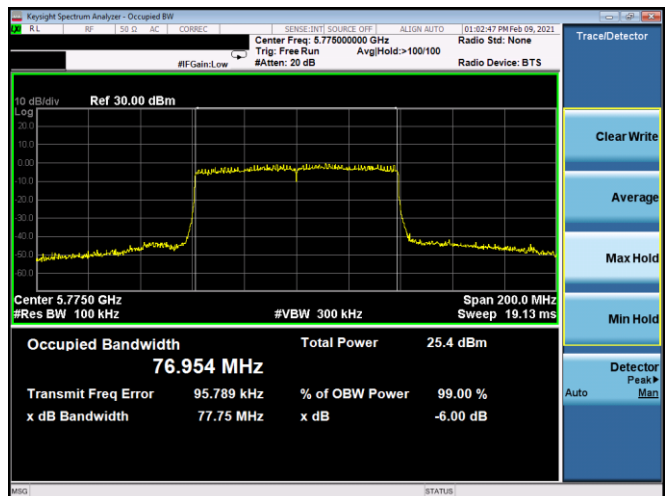
Plot 7-80. 6dB BW & 99% OBW Antenna 5b (40MHz BW 11ax – RU484 – Ch.151)



Plot 7-83. 6dB BW & 99% OBW Antenna 5b (80MHz BW 11ax Index 36 – RU26 – Ch.155)



Plot 7-81. 6dB BW & 99% OBW Antenna 5b (80MHz BW 11ax Index 0 – RU26 – Ch.155)



Plot 7-84. 6dB BW & 99% OBW Antenna 5b (80MHz BW 11ax – RU996 – Ch.155)

|                                            |                                              |                                       |                                 |
|--------------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2301<br>IC: 579C-A2301         | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2101020002-16-R1.BCG | Test Dates:<br>12/12/2020 - 3/10/2021        | EUT Type:<br>Tablet Device            | Page 35 of 257                  |

## Antenna 4b 6dB & 99% Bandwidth Measurements

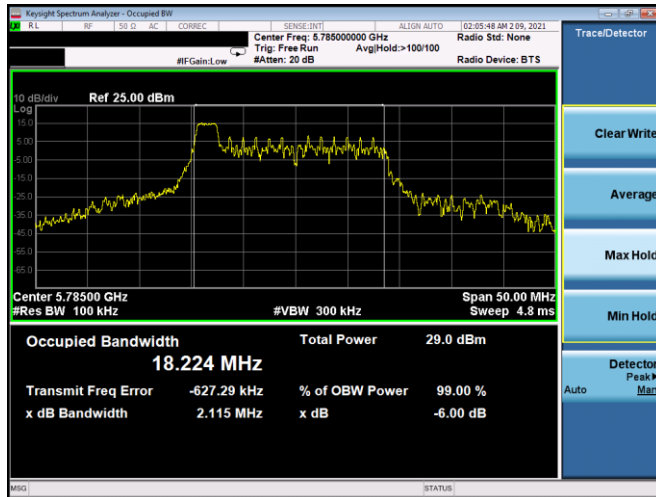
|        | Frequency [MHz] | Channel No. | 802.11 Mode | RU Size | RU Index | Data Rate [Mbps]  | 99% Occupied Bandwidth [MHz] | Measured 6dB Bandwidth [MHz] | Minimum 6dB Bandwidth [MHz] | Pass / Fail |
|--------|-----------------|-------------|-------------|---------|----------|-------------------|------------------------------|------------------------------|-----------------------------|-------------|
| Band 3 | 5745            | 149         | ax (20MHz)  | 26      | 0        | 135/143.4 (MCS11) | 18.15                        | 2.13                         | 0.50                        | Pass        |
|        |                 |             |             | 26      | 4        | 135/143.4 (MCS11) | 17.20                        | 2.71                         | 0.50                        | Pass        |
|        |                 |             |             | 26      | 8        | 135/143.4 (MCS11) | 18.39                        | 2.07                         | 0.50                        | Pass        |
|        | 5785            | 157         | ax (20MHz)  | 26      | 0        | 135/143.4 (MCS11) | 18.22                        | 2.12                         | 0.50                        | Pass        |
|        |                 |             |             | 26      | 4        | 135/143.4 (MCS11) | 17.23                        | 2.69                         | 0.50                        | Pass        |
|        |                 |             |             | 26      | 8        | 135/143.4 (MCS11) | 18.40                        | 2.13                         | 0.50                        | Pass        |
|        | 5825            | 165         | ax (20MHz)  | 26      | 0        | 135/143.4 (MCS11) | 18.27                        | 2.13                         | 0.50                        | Pass        |
|        |                 |             |             | 26      | 4        | 135/143.4 (MCS11) | 17.22                        | 2.69                         | 0.50                        | Pass        |
|        |                 |             |             | 26      | 8        | 135/143.4 (MCS11) | 18.42                        | 2.10                         | 0.50                        | Pass        |
|        | 5755            | 151         | ax (40MHz)  | 26      | 0        | 271/286.8 (MCS11) | 18.00                        | 2.17                         | 0.50                        | Pass        |
|        |                 |             |             | 26      | 8        | 271/286.8 (MCS11) | 18.97                        | 2.18                         | 0.50                        | Pass        |
|        |                 |             |             | 26      | 17       | 271/286.8 (MCS11) | 18.07                        | 2.16                         | 0.50                        | Pass        |
|        | 5795            | 159         | ax (40MHz)  | 26      | 0        | 271/286.8 (MCS11) | 17.97                        | 2.17                         | 0.50                        | Pass        |
|        |                 |             |             | 26      | 8        | 271/286.8 (MCS11) | 18.99                        | 2.17                         | 0.50                        | Pass        |
|        |                 |             |             | 26      | 17       | 271/286.8 (MCS11) | 18.09                        | 2.16                         | 0.50                        | Pass        |
|        | 5775            | 155         | ax (80MHz)  | 26      | 0        | 567/600.5 (MCS11) | 17.89                        | 2.25                         | 0.50                        | Pass        |
|        |                 |             |             | 26      | 18       | 567/600.5 (MCS11) | 36.61                        | 2.81                         | 0.50                        | Pass        |
|        |                 |             |             | 26      | 36       | 567/600.5 (MCS11) | 18.11                        | 2.25                         | 0.50                        | Pass        |

**Table 7-8. Conducted Bandwidth Measurements Antenna 4b (RU26)**

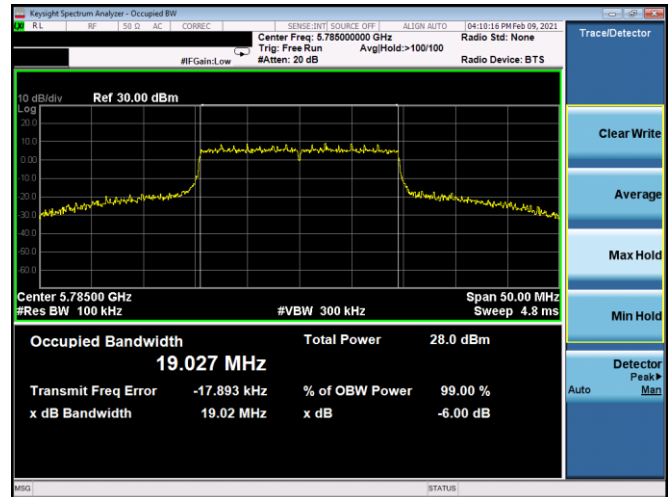
|        | Frequency [MHz] | Channel No. | 802.11 Mode | RU Size | RU Index | Data Rate [Mbps]  | 99% Occupied Bandwidth [MHz] | Measured 6dB Bandwidth [MHz] | Minimum 6dB Bandwidth [MHz] | Pass / Fail |
|--------|-----------------|-------------|-------------|---------|----------|-------------------|------------------------------|------------------------------|-----------------------------|-------------|
| Band 3 | 5745            | 149         | ax (20MHz)  | 242     | 61       | 135/143.4 (MCS11) | 19.00                        | 18.94                        | 0.50                        | Pass        |
|        | 5785            | 157         | ax (20MHz)  | 242     | 61       | 135/143.4 (MCS11) | 19.03                        | 19.02                        | 0.50                        | Pass        |
|        | 5825            | 165         | ax (20MHz)  | 242     | 61       | 135/143.4 (MCS11) | 19.02                        | 18.97                        | 0.50                        | Pass        |
|        | 5755            | 151         | ax (40MHz)  | 484     | 65       | 271/286.8 (MCS11) | 37.91                        | 38.11                        | 0.50                        | Pass        |
|        | 5795            | 159         | ax (40MHz)  | 484     | 65       | 271/286.8 (MCS11) | 37.98                        | 38.17                        | 0.50                        | Pass        |
|        | 5775            | 155         | ax (80MHz)  | 996     | 67       | 567/600.5 (MCS11) | 76.95                        | 77.66                        | 0.50                        | Pass        |

**Table 7-9. Conducted Bandwidth Measurements Antenna 4b (Fully-loaded RU)**

|                                            |                                                                                                                                         |                            |                                 |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2301<br>IC: 579C-A2301         |  <b>MEASUREMENT REPORT</b><br><b>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2101020002-16-R1.BCG | Test Dates:<br>12/12/2020 - 3/10/2021                                                                                                   | EUT Type:<br>Tablet Device | Page 36 of 257                  |



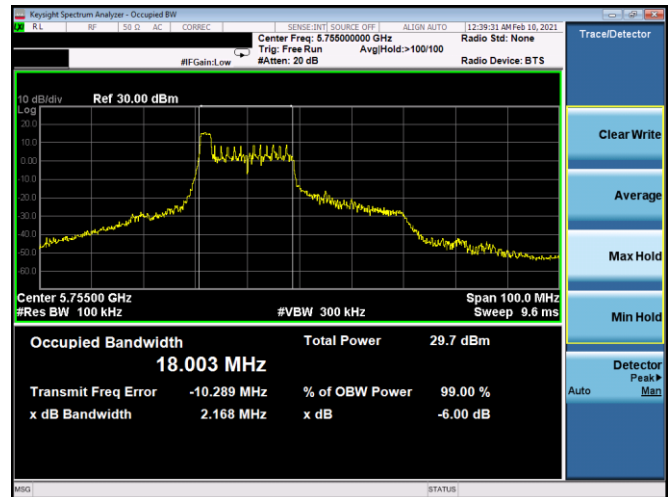
Plot 7-85. 6dB BW & 99% OBW Antenna 4b (20MHz BW 11ax Index 0 – RU26 – Ch.157)



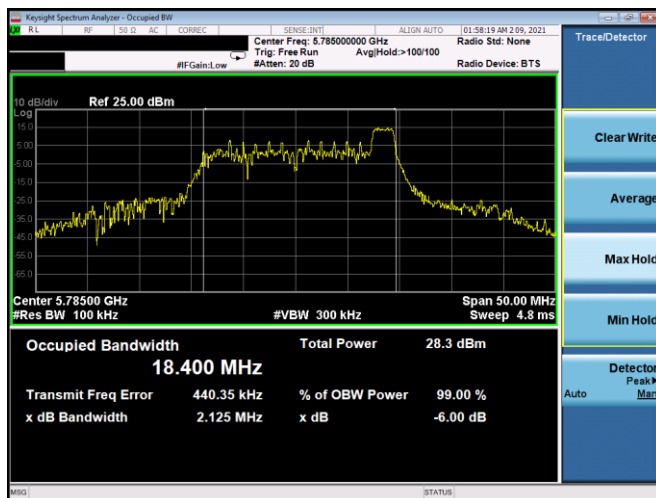
Plot 7-88. 6dB BW & 99% OBW Antenna 4b (20MHz BW 11ax – RU242 – Ch.157)



Plot 7-86. 6dB BW & 99% OBW Antenna 4b (20MHz BW 11ax Index 4 – RU26 – Ch.157)



Plot 7-89. 6dB BW & 99% OBW Antenna 4b (40MHz BW 11ax Index 0 – RU26 – Ch.151)

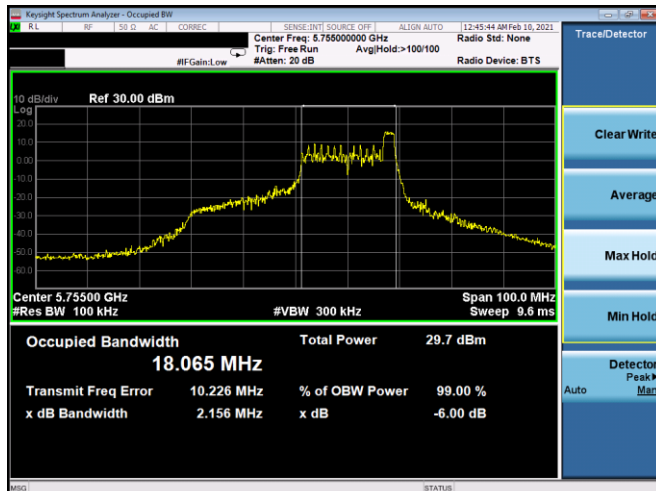


Plot 7-87. 6dB BW & 99% OBW Antenna 4b (20MHz BW 11ax Index 8 – RU26 – Ch.157)

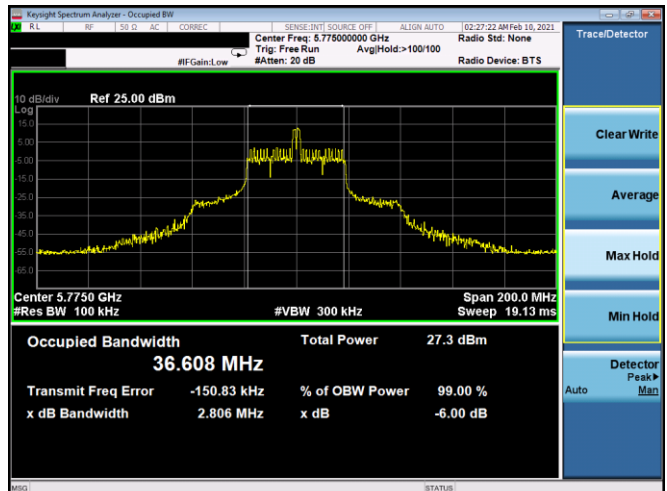


Plot 7-90. 6dB BW & 99% OBW Antenna 4b (40MHz BW 11ax Index 8 – RU26 – Ch.151)

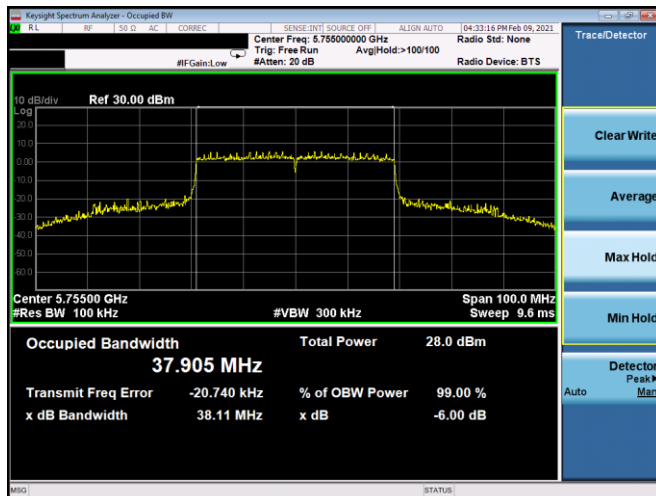
|                                            |                                              |                                       |                                 |
|--------------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2301<br>IC: 579C-A2301         | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2101020002-16-R1.BCG | Test Dates:<br>12/12/2020 - 3/10/2021        | EUT Type:<br>Tablet Device            | Page 37 of 257                  |



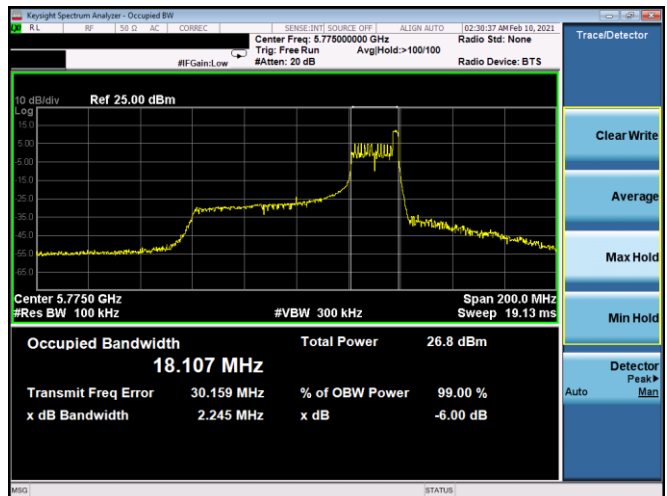
Plot 7-91. 6dB BW & 99% OBW Antenna 4b (40MHz BW 11ax Index 17 – RU26 – Ch.151)



Plot 7-94. 6dB BW & 99% OBW Antenna 4b (80MHz BW 11ax Index 18 – RU26 – Ch.155)



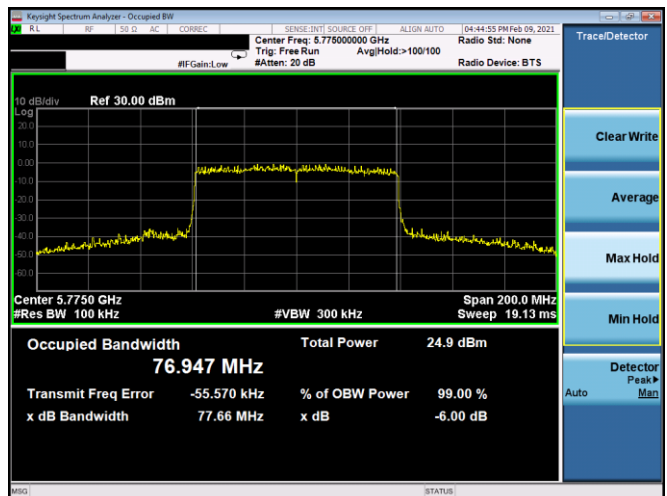
Plot 7-92. 6dB BW & 99% OBW Antenna 4b (40MHz BW 11ax – RU484 – Ch.151)



Plot 7-95. 6dB BW & 99% OBW Antenna 4b (80MHz BW 11ax Index 36 – RU26 – Ch.155)



Plot 7-93. 6dB BW & 99% OBW Antenna 4b (80MHz BW 11ax Index 0 – RU26 – Ch.155)



Plot 7-96. 6dB BW & 99% OBW Antenna 4b (80MHz BW 11ax – RU996 – Ch.155)

|                                            |                                              |                                       |                                 |
|--------------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2301<br>IC: 579C-A2301         | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2101020002-16-R1.BCG | Test Dates:<br>12/12/2020 - 3/10/2021        | EUT Type:<br>Tablet Device            | Page 38 of 257                  |

## 7.4 Conducted Output Power and Max EIRP Measurement – 802.11ax OFDMA

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

### Test Overview and Limits

A transmitter antenna terminal of the EUT is connected to the input of an RF pulse power sensor. Measurement is made using a broadband average power meter while the EUT is operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10-2013 and KDB 789033 D02 v02r01, and at the appropriate frequencies. B is the 99% OBW per ISSED RSS-247 and 26dB BW is per FCC 15.407.

*In the 5.15 – 5.25GHz band, the maximum permissible conducted output power is 250mW (23.98dBm). The maximum e.i.r.p. shall not exceed the lesser of 200 mW or  $10 + 10 \log_{10} B$ , dBm.*

*In the 5.25 – 5.35GHz band, the maximum permissible conducted output power is the lesser of 250mW (23.98dBm) or  $11 \text{ dBm} + 10 \log_{10}(26 \text{ dB BW}) = 11 \text{ dBm} + 10 \log_{10}(18.76) = 23.73 \text{ dBm}$ . The maximum e.i.r.p. shall not exceed the lesser of 1.0 W or  $17 + 10 \log_{10} B$ , dBm.*

*In the 5.47 – 5.725GHz band, the maximum permissible conducted output power is the lesser of 250mW (23.98dBm) or  $11 \text{ dBm} + 10 \log_{10}(26 \text{ dB BW}) = 11 \text{ dBm} + 10 \log_{10}(18.40) = 23.65 \text{ dBm}$ . The maximum e.i.r.p. shall not exceed the lesser of 1.0 W or  $17 + 10 \log_{10} B$ , dBm.*

*In the 5.725 – 5.850GHz band, the maximum permissible conducted output power is 1W (30dBm). The maximum e.i.r.p. is 36 dBm.*

### Test Procedure Used

ANSI C63.10-2013 – Section 12.3.3.2 Method PM-G  
KDB 789033 D02 v02r01 – Section E)3)b) Method PM-G  
ANSI C63.10-2013 – Section 14.2 Measure-and-Sum Technique  
KDB 662911 v02r01 – Section E)1) Measure-and-Sum Technique

### Test Settings

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter. The trace was averaged over 100 traces to obtain the final measured average power.

### Test Setup

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



**Figure 7-3. Test Instrument & Measurement Setup**

### Test Notes

1. 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.
2. All RU's were investigated and RU 26 and fully-loaded RU were reported.
3. Additionally, the highest power among partially-loaded RU's was reported.
4. The "-" shown in the following power tables are used to denote N/A.
5. For 802.11ax-RU, the worst case data rate was found to be MCS11.

|                                            |                                              |                                       |                                 |
|--------------------------------------------|----------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2301<br>IC: 579C-A2301         | <b>PCTEST</b><br>Proud to be part of element | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2101020002-16-R1.BCG | Test Dates:<br>12/12/2020 - 3/10/2021        | EUT Type:<br>Tablet Device            | Page 39 of 257                  |

## FCC Antenna 5b Conducted Output Power Measurements (RU26)

| 5GHz (20MHz Bandwidth) | Freq [MHz] | Channel | Detector | RU Size | RU Index | Data Rate [Mbps]  | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|----------|---------|----------|-------------------|-----------------------|-----------------------------|-----------------------------|
|                        | 5180       | 36      | AVG      | 26      | 0        | 135/143.4 (MCS11) | 10.80                 | 23.98                       | -13.18                      |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 11.50                 | 23.98                       | -12.48                      |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 10.78                 | 23.98                       | -13.20                      |
|                        | 5200       | 40      | AVG      | 26      | 0        | 135/143.4 (MCS11) | 11.04                 | 23.98                       | -12.94                      |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 11.49                 | 23.98                       | -12.49                      |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 10.92                 | 23.98                       | -13.06                      |
|                        | 5240       | 48      | AVG      | 26      | 0        | 135/143.4 (MCS11) | 11.03                 | 23.98                       | -12.95                      |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 11.50                 | 23.98                       | -12.48                      |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 10.95                 | 23.98                       | -13.03                      |
|                        | 5260       | 52      | AVG      | 26      | 0        | 135/143.4 (MCS11) | 11.12                 | 23.73                       | -12.61                      |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 11.66                 | 23.73                       | -12.07                      |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 11.14                 | 23.73                       | -12.59                      |
|                        | 5300       | 60      | AVG      | 26      | 0        | 135/143.4 (MCS11) | 10.98                 | 23.73                       | -12.75                      |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 11.56                 | 23.73                       | -12.17                      |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 11.12                 | 23.73                       | -12.61                      |
|                        | 5320       | 64      | AVG      | 26      | 0        | 135/143.4 (MCS11) | 11.08                 | 23.73                       | -12.65                      |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 11.67                 | 23.73                       | -12.06                      |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 11.18                 | 23.73                       | -12.55                      |
|                        | 5500       | 100     | AVG      | 26      | 0        | 135/143.4 (MCS11) | 11.40                 | 23.65                       | -12.25                      |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 12.00                 | 23.65                       | -11.65                      |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 11.60                 | 23.65                       | -12.05                      |
|                        | 5580       | 116     | AVG      | 26      | 0        | 135/143.4 (MCS11) | 11.18                 | 23.65                       | -12.47                      |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 11.95                 | 23.65                       | -11.70                      |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 11.64                 | 23.65                       | -12.01                      |
|                        | 5700       | 140     | AVG      | 26      | 0        | 135/143.4 (MCS11) | 11.45                 | 23.65                       | -12.20                      |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 11.96                 | 23.65                       | -11.69                      |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 11.45                 | 23.65                       | -12.20                      |
|                        | 5720       | 144     | AVG      | 26      | 0        | 135/143.4 (MCS11) | 11.33                 | 23.65                       | -12.32                      |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 11.88                 | 23.65                       | -11.77                      |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 11.44                 | 23.65                       | -12.21                      |
|                        | 5745       | 149     | AVG      | 26      | 0        | 135/143.4 (MCS11) | 18.66                 | 30.00                       | -11.34                      |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 19.28                 | 30.00                       | -10.72                      |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 18.97                 | 30.00                       | -11.03                      |
|                        | 5785       | 157     | AVG      | 26      | 0        | 135/143.4 (MCS11) | 18.77                 | 30.00                       | -11.23                      |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 19.42                 | 30.00                       | -10.58                      |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 19.15                 | 30.00                       | -10.85                      |
|                        | 5825       | 165     | AVG      | 26      | 0        | 135/143.4 (MCS11) | 18.98                 | 30.00                       | -11.02                      |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 19.47                 | 30.00                       | -10.53                      |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 19.02                 | 30.00                       | -10.98                      |

Table 7-10. FCC Antenna 5b 20MHz BW (UNII) Maximum Conducted Output Power (RU26)

|                                            |                                                                                     |                                       |                                 |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2301<br>IC: 579C-A2301         |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2101020002-16-R1.BCG | Test Dates:<br>12/12/2020 - 3/10/2021                                               | EUT Type:<br>Tablet Device            | Page 40 of 257                  |



| 5GHz (40MHz Bandwidth) | Freq [MHz] | Channel | Detector | RU Size | RU Index | Data Rate [Mbps]  | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|----------|---------|----------|-------------------|-----------------------|-----------------------------|-----------------------------|
|                        | 5190       | 38      | AVG      | 26      | 0        | 271/286.8 (MCS11) | 10.58                 | 23.98                       | -13.40                      |
|                        |            |         | AVG      | 26      | 8        | 271/286.8 (MCS11) | 11.36                 | 23.98                       | -12.62                      |
|                        |            |         | AVG      | 26      | 17       | 271/286.8 (MCS11) | 10.75                 | 23.98                       | -13.23                      |
|                        | 5230       | 46      | AVG      | 26      | 0        | 271/286.8 (MCS11) | 10.70                 | 23.98                       | -13.28                      |
|                        |            |         | AVG      | 26      | 8        | 271/286.8 (MCS11) | 11.45                 | 23.98                       | -12.53                      |
|                        |            |         | AVG      | 26      | 17       | 271/286.8 (MCS11) | 11.00                 | 23.98                       | -12.98                      |
|                        | 5270       | 54      | AVG      | 26      | 0        | 271/286.8 (MCS11) | 10.80                 | 23.73                       | -12.93                      |
|                        |            |         | AVG      | 26      | 8        | 271/286.8 (MCS11) | 11.65                 | 23.73                       | -12.08                      |
|                        |            |         | AVG      | 26      | 17       | 271/286.8 (MCS11) | 10.76                 | 23.73                       | -12.97                      |
|                        | 5310       | 62      | AVG      | 26      | 0        | 271/286.8 (MCS11) | 10.65                 | 23.73                       | -13.08                      |
|                        |            |         | AVG      | 26      | 8        | 271/286.8 (MCS11) | 11.55                 | 23.73                       | -12.18                      |
|                        |            |         | AVG      | 26      | 17       | 271/286.8 (MCS11) | 10.89                 | 23.73                       | -12.84                      |
|                        | 5510       | 102     | AVG      | 26      | 0        | 271/286.8 (MCS11) | 10.34                 | 23.65                       | -13.31                      |
|                        |            |         | AVG      | 26      | 8        | 271/286.8 (MCS11) | 10.88                 | 23.65                       | -12.77                      |
|                        |            |         | AVG      | 26      | 17       | 271/286.8 (MCS11) | 10.37                 | 23.65                       | -13.28                      |
|                        | 5550       | 110     | AVG      | 26      | 0        | 271/286.8 (MCS11) | 10.55                 | 23.65                       | -13.10                      |
|                        |            |         | AVG      | 26      | 8        | 271/286.8 (MCS11) | 11.80                 | 23.65                       | -11.85                      |
|                        |            |         | AVG      | 26      | 17       | 271/286.8 (MCS11) | 11.24                 | 23.65                       | -12.41                      |
|                        | 5670       | 134     | AVG      | 26      | 0        | 271/286.8 (MCS11) | 11.42                 | 23.65                       | -12.23                      |
|                        |            |         | AVG      | 26      | 8        | 271/286.8 (MCS11) | 11.88                 | 23.65                       | -11.77                      |
|                        |            |         | AVG      | 26      | 17       | 271/286.8 (MCS11) | 11.37                 | 23.65                       | -12.28                      |
|                        | 5710       | 142     | AVG      | 26      | 0        | 271/286.8 (MCS11) | 11.05                 | 23.65                       | -12.60                      |
|                        |            |         | AVG      | 26      | 8        | 271/286.8 (MCS11) | 11.72                 | 23.65                       | -11.93                      |
|                        |            |         | AVG      | 26      | 17       | 271/286.8 (MCS11) | 11.14                 | 23.65                       | -12.51                      |
|                        | 5755       | 151     | AVG      | 26      | 0        | 271/286.8 (MCS11) | 18.28                 | 30.00                       | -11.72                      |
|                        |            |         | AVG      | 26      | 8        | 271/286.8 (MCS11) | 19.30                 | 30.00                       | -10.70                      |
|                        |            |         | AVG      | 26      | 17       | 271/286.8 (MCS11) | 18.72                 | 30.00                       | -11.28                      |
|                        | 5795       | 159     | AVG      | 26      | 0        | 271/286.8 (MCS11) | 18.27                 | 30.00                       | -11.73                      |
|                        |            |         | AVG      | 26      | 8        | 271/286.8 (MCS11) | 19.37                 | 30.00                       | -10.63                      |
|                        |            |         | AVG      | 26      | 17       | 271/286.8 (MCS11) | 18.60                 | 30.00                       | -11.40                      |

**Table 7-11. FCC Antenna 5b 40MHz BW (UNII) Maximum Conducted Output Power (RU26)**

|                                                   |                                                                                                                                                                                                              |                                               |                                        |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|----------------------------------------|
| FCC ID: BCGA2301<br>IC: 579C-A2301                |  <b>PCTEST</b><br>Proud to be part of  | <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> | <b>Approved by:</b><br>Quality Manager |
| <b>Test Report S/N:</b><br>1C2101020002-16-R1.BCG | <b>Test Dates:</b><br>12/12/2020 - 3/10/2021                                                                                                                                                                 | <b>EUT Type:</b><br>Tablet Device             | Page 41 of 257                         |

| 5GHz (80MHz Bandwidth) | Freq [MHz] | Channel | Detector | RU Size | RU Index | Data Rate [Mbps]  | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|----------|---------|----------|-------------------|-----------------------|-----------------------------|-----------------------------|
|                        | 5210       | 42      | AVG      | 26      | 0        | 567/600.5 (MCS11) | 10.75                 | 23.98                       | -13.23                      |
|                        |            |         | AVG      | 26      | 18       | 567/600.5 (MCS11) | 11.44                 | 23.98                       | -12.54                      |
|                        |            |         | AVG      | 26      | 36       | 567/600.5 (MCS11) | 11.27                 | 23.98                       | -12.71                      |
|                        | 5290       | 58      | AVG      | 26      | 0        | 567/600.5 (MCS11) | 11.30                 | 23.73                       | -12.43                      |
|                        |            |         | AVG      | 26      | 18       | 567/600.5 (MCS11) | 11.69                 | 23.73                       | -12.04                      |
|                        |            |         | AVG      | 26      | 36       | 567/600.5 (MCS11) | 11.52                 | 23.73                       | -12.21                      |
|                        | 5530       | 106     | AVG      | 26      | 0        | 567/600.5 (MCS11) | 10.90                 | 23.65                       | -12.75                      |
|                        |            |         | AVG      | 26      | 18       | 567/600.5 (MCS11) | 10.94                 | 23.65                       | -12.71                      |
|                        |            |         | AVG      | 26      | 36       | 567/600.5 (MCS11) | 10.83                 | 23.65                       | -12.82                      |
|                        | 5610       | 122     | AVG      | 26      | 0        | 567/600.5 (MCS11) | 11.79                 | 23.65                       | -11.86                      |
|                        |            |         | AVG      | 26      | 18       | 567/600.5 (MCS11) | 11.92                 | 23.65                       | -11.73                      |
|                        |            |         | AVG      | 26      | 36       | 567/600.5 (MCS11) | 11.88                 | 23.65                       | -11.77                      |
|                        | 5690       | 138     | AVG      | 26      | 0        | 567/600.5 (MCS11) | 11.81                 | 23.65                       | -11.84                      |
|                        |            |         | AVG      | 26      | 18       | 567/600.5 (MCS11) | 11.88                 | 23.65                       | -11.77                      |
|                        |            |         | AVG      | 26      | 36       | 567/600.5 (MCS11) | 11.93                 | 23.65                       | -11.72                      |
|                        | 5775       | 155     | AVG      | 26      | 0        | 567/600.5 (MCS11) | 15.76                 | 30.00                       | -14.24                      |
|                        |            |         | AVG      | 26      | 18       | 567/600.5 (MCS11) | 15.61                 | 30.00                       | -14.39                      |
|                        |            |         | AVG      | 26      | 36       | 567/600.5 (MCS11) | 15.81                 | 30.00                       | -14.19                      |

**Table 7-12. FCC Antenna 5b 80MHz BW (UNII) Maximum Conducted Output Power (RU26)**

|                                            |                                                                                                                                         |                            |                                 |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2301<br>IC: 579C-A2301         |  <b>MEASUREMENT REPORT</b><br><b>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2101020002-16-R1.BCG | Test Dates:<br>12/12/2020 - 3/10/2021                                                                                                   | EUT Type:<br>Tablet Device | Page 42 of 257                  |

## ISED Antenna 5b Conducted Output Power Measurements (RU26)

| 5GHz (20MHz Bandwidth) | Freq [MHz] | Channel | Detector | RU Size | RU Index | Data Rate [Mbps]  | Conducted Power [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] |
|------------------------|------------|---------|----------|---------|----------|-------------------|-----------------------|-----------------------------|-----------------------------|-----------------|--------------------|--------------------------|----------------------|
|                        |            |         |          |         |          |                   |                       |                             |                             |                 |                    |                          |                      |
|                        | 5180       | 36      | AVG      | 26      | 0        | 135/143.4 (MCS11) | 3.30                  | -                           | -                           | 5.50            | 8.80               | 22.76                    | -13.96               |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 3.87                  | -                           | -                           | 5.50            | 9.37               | 22.76                    | -13.39               |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 3.38                  | -                           | -                           | 5.50            | 8.88               | 22.76                    | -13.88               |
|                        | 5200       | 40      | AVG      | 26      | 0        | 135/143.4 (MCS11) | 3.43                  | -                           | -                           | 5.50            | 8.93               | 22.76                    | -13.83               |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 3.91                  | -                           | -                           | 5.50            | 9.41               | 22.76                    | -13.35               |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 3.39                  | -                           | -                           | 5.50            | 8.89               | 22.76                    | -13.87               |
|                        | 5240       | 48      | AVG      | 26      | 0        | 135/143.4 (MCS11) | 3.41                  | -                           | -                           | 5.50            | 8.91               | 22.76                    | -13.85               |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 3.97                  | -                           | -                           | 5.50            | 9.47               | 22.76                    | -13.29               |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 3.42                  | -                           | -                           | 5.50            | 8.92               | 22.76                    | -13.84               |
|                        | 5260       | 52      | AVG      | 26      | 0        | 135/143.4 (MCS11) | 11.12                 | 23.73                       | -12.61                      | 5.20            | 16.32              | 29.73                    | -13.41               |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 11.66                 | 23.73                       | -12.07                      | 5.20            | 16.86              | 29.73                    | -12.87               |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 11.14                 | 23.73                       | -12.59                      | 5.20            | 16.34              | 29.73                    | -13.39               |
|                        | 5300       | 60      | AVG      | 26      | 0        | 135/143.4 (MCS11) | 10.98                 | 23.73                       | -12.75                      | 5.20            | 16.18              | 29.73                    | -13.55               |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 11.56                 | 23.73                       | -12.17                      | 5.20            | 16.76              | 29.73                    | -12.97               |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 11.12                 | 23.73                       | -12.61                      | 5.20            | 16.32              | 29.73                    | -13.41               |
|                        | 5320       | 64      | AVG      | 26      | 0        | 135/143.4 (MCS11) | 11.08                 | 23.73                       | -12.65                      | 5.20            | 16.28              | 29.73                    | -13.45               |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 11.67                 | 23.73                       | -12.06                      | 5.20            | 16.87              | 29.73                    | -12.86               |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 11.18                 | 23.73                       | -12.55                      | 5.20            | 16.38              | 29.73                    | -13.35               |
|                        | 5500       | 100     | AVG      | 26      | 0        | 135/143.4 (MCS11) | 11.40                 | 23.65                       | -12.25                      | 4.20            | 15.60              | 29.65                    | -14.05               |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 12.00                 | 23.65                       | -11.65                      | 4.20            | 16.20              | 29.65                    | -13.45               |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 11.60                 | 23.65                       | -12.05                      | 4.20            | 15.80              | 29.65                    | -13.85               |
|                        | 5580       | 116     | AVG      | 26      | 0        | 135/143.4 (MCS11) | 11.18                 | 23.65                       | -12.47                      | 4.20            | 15.38              | 29.65                    | -14.27               |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 11.95                 | 23.65                       | -11.70                      | 4.20            | 16.15              | 29.65                    | -13.50               |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 11.64                 | 23.65                       | -12.01                      | 4.20            | 15.84              | 29.65                    | -13.81               |
|                        | 5700       | 140     | AVG      | 26      | 0        | 135/143.4 (MCS11) | 11.45                 | 23.65                       | -12.20                      | 4.20            | 15.65              | 29.65                    | -14.00               |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 11.96                 | 23.65                       | -11.69                      | 4.20            | 16.16              | 29.65                    | -13.49               |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 11.45                 | 23.65                       | -12.20                      | 4.20            | 15.65              | 29.65                    | -14.00               |
|                        | 5720       | 144     | AVG      | 26      | 0        | 135/143.4 (MCS11) | 11.33                 | 23.65                       | -12.32                      | 4.20            | 15.53              | 29.65                    | -14.12               |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 11.88                 | 23.65                       | -11.77                      | 4.20            | 16.08              | 29.65                    | -13.57               |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 11.44                 | 23.65                       | -12.21                      | 4.20            | 15.64              | 29.65                    | -14.01               |
|                        | 5745       | 149     | AVG      | 26      | 0        | 135/143.4 (MCS11) | 18.66                 | 30.00                       | -11.34                      | 5.50            | 24.16              | -                        | -                    |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 19.28                 | 30.00                       | -10.72                      | 5.50            | 24.78              | -                        | -                    |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 18.97                 | 30.00                       | -11.03                      | 5.50            | 24.47              | -                        | -                    |
|                        | 5785       | 157     | AVG      | 26      | 0        | 135/143.4 (MCS11) | 18.77                 | 30.00                       | -11.23                      | 5.50            | 24.27              | -                        | -                    |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 19.42                 | 30.00                       | -10.58                      | 5.50            | 24.92              | -                        | -                    |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 19.15                 | 30.00                       | -10.85                      | 5.50            | 24.65              | -                        | -                    |
|                        | 5825       | 165     | AVG      | 26      | 0        | 135/143.4 (MCS11) | 18.98                 | 30.00                       | -11.02                      | 5.50            | 24.48              | -                        | -                    |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 19.47                 | 30.00                       | -10.53                      | 5.50            | 24.97              | -                        | -                    |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 19.02                 | 30.00                       | -10.98                      | 5.50            | 24.52              | -                        | -                    |

**Table 7-13. ISED Antenna 5b 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (RU26)**

|                                                   |                                                                                                                                                                                                              |                                               |                                        |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|----------------------------------------|
| FCC ID: BCGA2301<br>IC: 579C-A2301                |  <b>PCTEST</b><br>Proud to be part of  | <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> | <b>Approved by:</b><br>Quality Manager |
| <b>Test Report S/N:</b><br>1C2101020002-16-R1.BCG | <b>Test Dates:</b><br>12/12/2020 - 3/10/2021                                                                                                                                                                 | <b>EUT Type:</b><br>Tablet Device             | Page 43 of 257                         |

| 5GHz (40MHz Bandwidth) | Freq [MHz] | Channel | Detector | RU Size | RU Index | Data Rate [Mbps]  | Conducted Power [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] |
|------------------------|------------|---------|----------|---------|----------|-------------------|-----------------------|-----------------------------|-----------------------------|-----------------|--------------------|--------------------------|----------------------|
|                        |            |         |          |         |          |                   |                       |                             |                             |                 |                    |                          |                      |
|                        | 5190       | 38      | AVG      | 26      | 0        | 271/286.8 (MCS11) | 3.27                  | -                           | -                           | 5.50            | 8.77               | 22.76                    | -13.99               |
|                        |            |         | AVG      | 26      | 8        | 271/286.8 (MCS11) | 4.00                  | -                           | -                           | 5.50            | 9.50               | 22.76                    | -13.26               |
|                        |            |         | AVG      | 26      | 17       | 271/286.8 (MCS11) | 3.45                  | -                           | -                           | 5.50            | 8.95               | 22.76                    | -13.81               |
|                        | 5230       | 46      | AVG      | 26      | 0        | 271/286.8 (MCS11) | 3.25                  | -                           | -                           | 5.50            | 8.75               | 22.76                    | -14.01               |
|                        |            |         | AVG      | 26      | 8        | 271/286.8 (MCS11) | 4.00                  | -                           | -                           | 5.50            | 9.50               | 22.76                    | -13.26               |
|                        |            |         | AVG      | 26      | 17       | 271/286.8 (MCS11) | 3.48                  | -                           | -                           | 5.50            | 8.98               | 22.76                    | -13.78               |
|                        | 5270       | 54      | AVG      | 26      | 0        | 271/286.8 (MCS11) | 10.80                 | 23.73                       | -12.93                      | 5.20            | 16.00              | 29.73                    | -13.73               |
|                        |            |         | AVG      | 26      | 8        | 271/286.8 (MCS11) | 11.65                 | 23.73                       | -12.08                      | 5.20            | 16.85              | 29.73                    | -12.88               |
|                        |            |         | AVG      | 26      | 17       | 271/286.8 (MCS11) | 10.76                 | 23.73                       | -12.97                      | 5.20            | 15.96              | 29.73                    | -13.77               |
|                        | 5310       | 62      | AVG      | 26      | 0        | 271/286.8 (MCS11) | 10.65                 | 23.73                       | -13.08                      | 5.20            | 15.85              | 29.73                    | -13.88               |
|                        |            |         | AVG      | 26      | 8        | 271/286.8 (MCS11) | 11.55                 | 23.73                       | -12.18                      | 5.20            | 16.75              | 29.73                    | -12.98               |
|                        |            |         | AVG      | 26      | 17       | 271/286.8 (MCS11) | 10.89                 | 23.73                       | -12.84                      | 5.20            | 16.09              | 29.73                    | -13.64               |
|                        | 5510       | 102     | AVG      | 26      | 0        | 271/286.8 (MCS11) | 10.34                 | 23.65                       | -13.31                      | 4.20            | 14.54              | 29.65                    | -15.11               |
|                        |            |         | AVG      | 26      | 8        | 271/286.8 (MCS11) | 10.88                 | 23.65                       | -12.77                      | 4.20            | 15.08              | 29.65                    | -14.57               |
|                        |            |         | AVG      | 26      | 17       | 271/286.8 (MCS11) | 10.37                 | 23.65                       | -13.28                      | 4.20            | 14.57              | 29.65                    | -15.08               |
|                        | 5550       | 110     | AVG      | 26      | 0        | 271/286.8 (MCS11) | 10.55                 | 23.65                       | -13.10                      | 4.20            | 14.75              | 29.65                    | -14.90               |
|                        |            |         | AVG      | 26      | 8        | 271/286.8 (MCS11) | 11.80                 | 23.65                       | -11.85                      | 4.20            | 16.00              | 29.65                    | -13.65               |
|                        |            |         | AVG      | 26      | 17       | 271/286.8 (MCS11) | 11.24                 | 23.65                       | -12.41                      | 4.20            | 15.44              | 29.65                    | -14.21               |
|                        | 5670       | 134     | AVG      | 26      | 0        | 271/286.8 (MCS11) | 11.42                 | 23.65                       | -12.23                      | 4.20            | 15.62              | 29.65                    | -14.03               |
|                        |            |         | AVG      | 26      | 8        | 271/286.8 (MCS11) | 11.88                 | 23.65                       | -11.77                      | 4.20            | 16.08              | 29.65                    | -13.57               |
|                        |            |         | AVG      | 26      | 17       | 271/286.8 (MCS11) | 11.37                 | 23.65                       | -12.28                      | 4.20            | 15.57              | 29.65                    | -14.08               |
|                        | 5710       | 142     | AVG      | 26      | 0        | 271/286.8 (MCS11) | 11.05                 | 23.65                       | -12.60                      | 4.20            | 15.25              | 29.65                    | -14.40               |
|                        |            |         | AVG      | 26      | 8        | 271/286.8 (MCS11) | 11.72                 | 23.65                       | -11.93                      | 4.20            | 15.92              | 29.65                    | -13.73               |
|                        |            |         | AVG      | 26      | 17       | 271/286.8 (MCS11) | 11.14                 | 23.65                       | -12.51                      | 4.20            | 15.34              | 29.65                    | -14.31               |
|                        | 5755       | 151     | AVG      | 26      | 0        | 271/286.8 (MCS11) | 18.28                 | 30.00                       | -11.72                      | 5.50            | 23.78              | -                        | -                    |
|                        |            |         | AVG      | 26      | 8        | 271/286.8 (MCS11) | 19.30                 | 30.00                       | -10.70                      | 5.50            | 24.80              | -                        | -                    |
|                        |            |         | AVG      | 26      | 17       | 271/286.8 (MCS11) | 18.72                 | 30.00                       | -11.28                      | 5.50            | 24.22              | -                        | -                    |
|                        | 5795       | 159     | AVG      | 26      | 0        | 271/286.8 (MCS11) | 18.27                 | 30.00                       | -11.73                      | 5.50            | 23.77              | -                        | -                    |
|                        |            |         | AVG      | 26      | 8        | 271/286.8 (MCS11) | 19.37                 | 30.00                       | -10.63                      | 5.50            | 24.87              | -                        | -                    |
|                        |            |         | AVG      | 26      | 17       | 271/286.8 (MCS11) | 18.60                 | 30.00                       | -11.40                      | 5.50            | 24.10              | -                        | -                    |

Table 7-14. ISED Antenna 5b 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (RU26)

| 5GHz (80MHz Bandwidth) | Freq [MHz] | Channel | Detector | RU Size | RU Index | Data Rate [Mbps]  | Conducted Power [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] |
|------------------------|------------|---------|----------|---------|----------|-------------------|-----------------------|-----------------------------|-----------------------------|-----------------|--------------------|--------------------------|----------------------|
|                        |            |         |          |         |          |                   |                       |                             |                             |                 |                    |                          |                      |
|                        | 5210       | 42      | AVG      | 26      | 0        | 567/600.5 (MCS11) | 2.11                  | -                           | -                           | 5.50            | 7.61               | 22.76                    | -15.15               |
|                        |            |         | AVG      | 26      | 18       | 567/600.5 (MCS11) | 4.00                  | -                           | -                           | 5.50            | 9.50               | 22.76                    | -13.26               |
|                        |            |         | AVG      | 26      | 36       | 567/600.5 (MCS11) | 3.61                  | -                           | -                           | 5.50            | 9.11               | 22.76                    | -13.65               |
|                        | 5290       | 58      | AVG      | 26      | 0        | 567/600.5 (MCS11) | 11.30                 | 23.73                       | -12.43                      | 5.20            | 16.50              | 29.73                    | -13.23               |
|                        |            |         | AVG      | 26      | 18       | 567/600.5 (MCS11) | 11.69                 | 23.73                       | -12.04                      | 5.20            | 16.89              | 29.73                    | -12.84               |
|                        |            |         | AVG      | 26      | 36       | 567/600.5 (MCS11) | 11.52                 | 23.73                       | -12.21                      | 5.20            | 16.72              | 29.73                    | -13.01               |
|                        | 5530       | 106     | AVG      | 26      | 0        | 567/600.5 (MCS11) | 10.90                 | 23.65                       | -12.75                      | 4.20            | 15.10              | 29.65                    | -14.55               |
|                        |            |         | AVG      | 26      | 18       | 567/600.5 (MCS11) | 10.94                 | 23.65                       | -12.71                      | 4.20            | 15.14              | 29.65                    | -14.51               |
|                        |            |         | AVG      | 26      | 36       | 567/600.5 (MCS11) | 10.83                 | 23.65                       | -12.82                      | 4.20            | 15.03              | 29.65                    | -14.62               |
|                        | 5690       | 138     | AVG      | 26      | 0        | 567/600.5 (MCS11) | 11.81                 | 23.65                       | -11.84                      | 4.20            | 16.01              | 29.65                    | -13.64               |
|                        |            |         | AVG      | 26      | 18       | 567/600.5 (MCS11) | 11.88                 | 23.65                       | -11.77                      | 4.20            | 16.08              | 29.65                    | -13.57               |
|                        |            |         | AVG      | 26      | 36       | 567/600.5 (MCS11) | 11.93                 | 23.65                       | -11.72                      | 4.20            | 16.13              | 29.65                    | -13.52               |
|                        | 5775       | 155     | AVG      | 26      | 0        | 567/600.5 (MCS11) | 15.76                 | 30.00                       | -14.24                      | 5.50            | 21.26              | -                        | -                    |
|                        |            |         | AVG      | 26      | 18       | 567/600.5 (MCS11) | 15.61                 | 30.00                       | -14.39                      | 5.50            | 21.11              | -                        | -                    |
|                        |            |         | AVG      | 26      | 36       | 567/600.5 (MCS11) | 15.81                 | 30.00                       | -14.19                      | 5.50            | 21.31              | -                        | -                    |

Table 7-15. ISED Antenna 5b 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (RU26)

|                                            |                                                                                     |                                       |                                 |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2301<br>IC: 579C-A2301         |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2101020002-16-R1.BCG | Test Dates:<br>12/12/2020 - 3/10/2021                                               | EUT Type:<br>Tablet Device            | Page 44 of 257                  |

## FCC Antenna 5b Conducted Output Power Measurements (Highest Power Among Partially-Loaded RU's)

| 5GHz (20MHz Bandwidth) | Freq [MHz] | Channel | Detector | RU Size | RU Index | Data Rate [Mbps]  | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|----------|---------|----------|-------------------|-----------------------|-----------------------------|-----------------------------|
|                        | 5180       | 36      | AVG      | 106     | 53       | 135/143.4 (MCS11) | 14.78                 | 23.98                       | -9.20                       |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 14.86                 | 23.98                       | -9.12                       |
|                        | 5200       | 40      | AVG      | 106     | 53       | 135/143.4 (MCS11) | 17.33                 | 23.98                       | -6.65                       |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 17.32                 | 23.98                       | -6.66                       |
|                        | 5240       | 48      | AVG      | 106     | 53       | 135/143.4 (MCS11) | 17.47                 | 23.98                       | -6.51                       |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 17.44                 | 23.98                       | -6.54                       |
|                        | 5260       | 52      | AVG      | 106     | 53       | 135/143.4 (MCS11) | 17.62                 | 23.73                       | -6.11                       |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 17.72                 | 23.73                       | -6.01                       |
|                        | 5300       | 60      | AVG      | 106     | 53       | 135/143.4 (MCS11) | 17.62                 | 23.73                       | -6.11                       |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 17.69                 | 23.73                       | -6.04                       |
|                        | 5320       | 64      | AVG      | 106     | 53       | 135/143.4 (MCS11) | 16.94                 | 23.73                       | -6.79                       |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 17.00                 | 23.73                       | -6.73                       |
|                        | 5500       | 100     | AVG      | 106     | 53       | 135/143.4 (MCS11) | 14.23                 | 23.65                       | -9.42                       |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 14.39                 | 23.65                       | -9.26                       |
|                        | 5520       | 104     | AVG      | 106     | 53       | 135/143.4 (MCS11) | 17.82                 | 23.65                       | -5.83                       |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 17.98                 | 23.65                       | -5.67                       |
|                        | 5580       | 116     | AVG      | 106     | 53       | 135/143.4 (MCS11) | 17.53                 | 23.65                       | -6.12                       |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 17.81                 | 23.65                       | -5.84                       |
|                        | 5660       | 132     | AVG      | 106     | 53       | 135/143.4 (MCS11) | 17.98                 | 23.65                       | -5.67                       |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 17.92                 | 23.65                       | -5.73                       |
|                        | 5680       | 136     | AVG      | 106     | 53       | 135/143.4 (MCS11) | 17.25                 | 23.65                       | -6.40                       |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 17.28                 | 23.65                       | -6.37                       |
|                        | 5700       | 140     | AVG      | 106     | 53       | 135/143.4 (MCS11) | 12.78                 | 23.65                       | -10.87                      |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 12.84                 | 23.65                       | -10.81                      |
|                        | 5720       | 144     | AVG      | 106     | 53       | 135/143.4 (MCS11) | 17.69                 | 23.65                       | -5.96                       |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 17.89                 | 23.65                       | -5.76                       |
|                        | 5745       | 149     | AVG      | 106     | 53       | 135/143.4 (MCS11) | 19.16                 | 30.00                       | -10.84                      |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 19.33                 | 30.00                       | -10.67                      |
|                        | 5785       | 157     | AVG      | 106     | 53       | 135/143.4 (MCS11) | 19.16                 | 30.00                       | -10.84                      |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 19.47                 | 30.00                       | -10.53                      |
|                        | 5825       | 165     | AVG      | 106     | 53       | 135/143.4 (MCS11) | 19.34                 | 30.00                       | -10.66                      |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 19.22                 | 30.00                       | -10.78                      |

Table 7-16. FCC Antenna 5b 20MHz BW (UNII) Maximum Conducted Output Power (Highest Power Among Partially-Loaded RU's)

|                                            |                                                                                                                                                                                                              |                                       |                                 |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2301<br>IC: 579C-A2301         |  <b>PCTEST</b><br>Proud to be part of  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2101020002-16-R1.BCG | Test Dates:<br>12/12/2020 - 3/10/2021                                                                                                                                                                        | EUT Type:<br>Tablet Device            | Page 45 of 257                  |

| 5GHz (40MHz Bandwidth) | Freq [MHz] | Channel | Detector | RU Size | RU Index | Data Rate [Mbps]  | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|----------|---------|----------|-------------------|-----------------------|-----------------------------|-----------------------------|
|                        | 5190       | 38      | AVG      | 242     | 61       | 271/286.8 (MCS11) | 11.50                 | 23.98                       | -12.48                      |
|                        |            |         | AVG      | 242     | 62       | 271/286.8 (MCS11) | 11.74                 | 23.98                       | -12.24                      |
|                        | 5230       | 46      | AVG      | 242     | 61       | 271/286.8 (MCS11) | 17.56                 | 23.98                       | -6.42                       |
|                        |            |         | AVG      | 242     | 62       | 271/286.8 (MCS11) | 17.79                 | 23.98                       | -6.19                       |
|                        | 5270       | 54      | AVG      | 242     | 61       | 271/286.8 (MCS11) | 18.04                 | 23.73                       | -5.69                       |
|                        |            |         | AVG      | 242     | 62       | 271/286.8 (MCS11) | 18.27                 | 23.73                       | -5.46                       |
|                        | 5310       | 62      | AVG      | 242     | 61       | 271/286.8 (MCS11) | 13.29                 | 23.73                       | -10.44                      |
|                        |            |         | AVG      | 242     | 62       | 271/286.8 (MCS11) | 13.45                 | 23.73                       | -10.28                      |
|                        | 5510       | 102     | AVG      | 242     | 61       | 271/286.8 (MCS11) | 10.74                 | 23.65                       | -12.91                      |
|                        |            |         | AVG      | 242     | 62       | 271/286.8 (MCS11) | 10.96                 | 23.65                       | -12.69                      |
|                        | 5550       | 110     | AVG      | 242     | 61       | 271/286.8 (MCS11) | 17.17                 | 23.65                       | -6.48                       |
|                        |            |         | AVG      | 242     | 62       | 271/286.8 (MCS11) | 17.30                 | 23.65                       | -6.35                       |
|                        | 5590       | 118     | AVG      | 242     | 61       | 271/286.8 (MCS11) | 18.18                 | 23.65                       | -5.47                       |
|                        |            |         | AVG      | 242     | 62       | 271/286.8 (MCS11) | 18.33                 | 23.65                       | -5.32                       |
|                        | 5630       | 126     | AVG      | 242     | 61       | 271/286.8 (MCS11) | 18.41                 | 23.65                       | -5.24                       |
|                        |            |         | AVG      | 242     | 62       | 271/286.8 (MCS11) | 18.49                 | 23.65                       | -5.16                       |
|                        | 5670       | 134     | AVG      | 242     | 61       | 271/286.8 (MCS11) | 14.55                 | 23.65                       | -9.10                       |
|                        |            |         | AVG      | 242     | 62       | 271/286.8 (MCS11) | 14.80                 | 23.65                       | -8.85                       |
|                        | 5710       | 142     | AVG      | 106     | 53       | 271/286.8 (MCS11) | 17.35                 | 23.65                       | -6.30                       |
|                        |            |         | AVG      | 106     | 54       | 271/286.8 (MCS11) | 17.99                 | 23.65                       | -5.66                       |
|                        |            |         | AVG      | 106     | 56       | 271/286.8 (MCS11) | 17.60                 | 23.65                       | -6.05                       |
|                        | 5755       | 151     | AVG      | 242     | 61       | 271/286.8 (MCS11) | 19.15                 | 30.00                       | -10.85                      |
|                        |            |         | AVG      | 242     | 62       | 271/286.8 (MCS11) | 19.24                 | 30.00                       | -10.76                      |
|                        | 5795       | 159     | AVG      | 242     | 61       | 271/286.8 (MCS11) | 19.39                 | 30.00                       | -10.61                      |
|                        |            |         | AVG      | 242     | 62       | 271/286.8 (MCS11) | 19.49                 | 30.00                       | -10.51                      |

Table 7-17. FCC Antenna 5b 40MHz BW (UNII) Maximum Conducted Output Power (Highest Power Among Partially-Loaded RU's)

| 5GHz (80MHz Bandwidth) | Freq [MHz] | Channel | Detector | RU Size | RU Index | Data Rate [Mbps]  | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|----------|---------|----------|-------------------|-----------------------|-----------------------------|-----------------------------|
|                        | 5210       | 42      | AVG      | 484     | 65       | 567/600.5 (MCS11) | 10.73                 | 23.98                       | -13.25                      |
|                        |            |         | AVG      | 484     | 66       | 567/600.5 (MCS11) | 11.34                 | 23.98                       | -12.64                      |
|                        | 5290       | 58      | AVG      | 484     | 65       | 567/600.5 (MCS11) | 12.62                 | 23.73                       | -11.11                      |
|                        |            |         | AVG      | 484     | 66       | 567/600.5 (MCS11) | 12.85                 | 23.73                       | -10.88                      |
|                        | 5530       | 106     | AVG      | 242     | 61       | 567/600.5 (MCS11) | 12.12                 | 23.65                       | -11.53                      |
|                        |            |         | AVG      | 242     | 62       | 567/600.5 (MCS11) | 12.43                 | 23.65                       | -11.22                      |
|                        |            |         | AVG      | 242     | 64       | 567/600.5 (MCS11) | 12.50                 | 23.65                       | -11.15                      |
|                        | 5610       | 122     | AVG      | 484     | 65       | 567/600.5 (MCS11) | 16.67                 | 23.65                       | -6.98                       |
|                        |            |         | AVG      | 484     | 66       | 567/600.5 (MCS11) | 16.86                 | 23.65                       | -6.79                       |
|                        | 5690       | 138     | AVG      | 106     | 53       | 567/600.5 (MCS11) | 17.73                 | 23.65                       | -5.92                       |
|                        |            |         | AVG      | 106     | 56       | 567/600.5 (MCS11) | 17.90                 | 23.65                       | -5.75                       |
|                        |            |         | AVG      | 106     | 60       | 567/600.5 (MCS11) | 17.76                 | 23.65                       | -5.89                       |
|                        | 5775       | 155     | AVG      | 484     | 65       | 567/600.5 (MCS11) | 15.69                 | 30.00                       | -14.31                      |
|                        |            |         | AVG      | 484     | 66       | 567/600.5 (MCS11) | 15.73                 | 30.00                       | -14.27                      |

Table 7-18. FCC Antenna 5b 80MHz BW (UNII) Maximum Conducted Output Power (Highest Power Among Partially-Loaded RU's)

|                                            |                                                                                                                                  |                            |                                 |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2301<br>IC: 579C-A2301         |  <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2101020002-16-R1-BCG | Test Dates:<br>12/12/2020 - 3/10/2021                                                                                            | EUT Type:<br>Tablet Device | Page 46 of 257                  |



## ISED Antenna 5b Conducted Output Power Measurements (Highest Power Among Partially-Loaded RU's)

| 5GHz (20MHz Bandwidth) | Freq [MHz] | Channel | Detector | RU Size | RU Index | Data Rate [Mbps]  | Conducted Power [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] |
|------------------------|------------|---------|----------|---------|----------|-------------------|-----------------------|-----------------------------|-----------------------------|-----------------|--------------------|--------------------------|----------------------|
|                        |            |         |          |         |          |                   |                       |                             |                             |                 |                    |                          |                      |
|                        | 5180       | 36      | AVG      | 106     | 53       | 135/143.4 (MCS11) | 9.56                  | -                           | -                           | 5.50            | 15.06              | 22.76                    | -7.70                |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 9.82                  | -                           | -                           | 5.50            | 15.32              | 22.76                    | -7.44                |
|                        | 5200       | 40      | AVG      | 106     | 53       | 135/143.4 (MCS11) | 9.86                  | -                           | -                           | 5.50            | 15.36              | 22.76                    | -7.40                |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 9.88                  | -                           | -                           | 5.50            | 15.38              | 22.76                    | -7.38                |
|                        | 5240       | 48      | AVG      | 106     | 53       | 135/143.4 (MCS11) | 9.72                  | -                           | -                           | 5.50            | 15.22              | 22.76                    | -7.54                |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 9.74                  | -                           | -                           | 5.50            | 15.24              | 22.76                    | -7.52                |
|                        | 5260       | 52      | AVG      | 106     | 53       | 135/143.4 (MCS11) | 17.62                 | 23.73                       | -6.11                       | 5.20            | 22.82              | 29.73                    | -6.91                |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 17.72                 | 23.73                       | -6.01                       | 5.20            | 22.92              | 29.73                    | -6.81                |
|                        | 5300       | 60      | AVG      | 106     | 53       | 135/143.4 (MCS11) | 17.62                 | 23.73                       | -6.11                       | 5.20            | 22.82              | 29.73                    | -6.91                |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 17.69                 | 23.73                       | -6.04                       | 5.20            | 22.89              | 29.73                    | -6.84                |
|                        | 5320       | 64      | AVG      | 106     | 53       | 135/143.4 (MCS11) | 16.94                 | 23.73                       | -6.79                       | 5.20            | 22.14              | 29.73                    | -7.59                |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 17.00                 | 23.73                       | -6.73                       | 5.20            | 22.20              | 29.73                    | -7.53                |
|                        | 5500       | 100     | AVG      | 106     | 53       | 135/143.4 (MCS11) | 14.23                 | 23.65                       | -9.42                       | 4.20            | 18.43              | 29.65                    | -11.22               |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 14.39                 | 23.65                       | -9.26                       | 4.20            | 18.59              | 29.65                    | -11.06               |
|                        | 5520       | 104     | AVG      | 106     | 53       | 135/143.4 (MCS11) | 17.82                 | 23.65                       | -5.83                       | 4.20            | 22.02              | 29.65                    | -7.63                |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 17.98                 | 23.65                       | -5.67                       | 4.20            | 22.18              | 29.65                    | -7.47                |
|                        | 5580       | 116     | AVG      | 106     | 53       | 135/143.4 (MCS11) | 17.53                 | 23.65                       | -6.12                       | 4.20            | 21.73              | 29.65                    | -7.92                |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 17.81                 | 23.65                       | -5.84                       | 4.20            | 22.01              | 29.65                    | -7.64                |
|                        | 5660       | 132     | AVG      | 106     | 53       | 135/143.4 (MCS11) | 17.98                 | 23.65                       | -5.67                       | 4.20            | 22.18              | 29.65                    | -7.47                |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 17.92                 | 23.65                       | -5.73                       | 4.20            | 22.12              | 29.65                    | -7.53                |
|                        | 5680       | 136     | AVG      | 106     | 53       | 135/143.4 (MCS11) | 17.25                 | 23.65                       | -6.40                       | 4.20            | 21.45              | 29.65                    | -8.20                |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 17.28                 | 23.65                       | -6.37                       | 4.20            | 21.48              | 29.65                    | -8.17                |
|                        | 5700       | 140     | AVG      | 106     | 53       | 135/143.4 (MCS11) | 12.78                 | 23.65                       | -10.87                      | 4.20            | 16.98              | 29.65                    | -12.67               |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 12.84                 | 23.65                       | -10.81                      | 4.20            | 17.04              | 29.65                    | -12.61               |
|                        | 5720       | 144     | AVG      | 106     | 53       | 135/143.4 (MCS11) | 17.69                 | 23.65                       | -5.96                       | 4.20            | 21.89              | 29.65                    | -7.76                |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 17.89                 | 23.65                       | -5.76                       | 4.20            | 22.09              | 29.65                    | -7.56                |
|                        | 5745       | 149     | AVG      | 106     | 53       | 135/143.4 (MCS11) | 19.16                 | 30.00                       | -10.84                      | 5.50            | 24.66              | -                        | -                    |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 19.33                 | 30.00                       | -10.67                      | 5.50            | 24.83              | -                        | -                    |
|                        | 5785       | 157     | AVG      | 106     | 53       | 135/143.4 (MCS11) | 19.16                 | 30.00                       | -10.84                      | 5.50            | 24.66              | -                        | -                    |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 19.47                 | 30.00                       | -10.53                      | 5.50            | 24.97              | -                        | -                    |
|                        | 5825       | 165     | AVG      | 106     | 53       | 135/143.4 (MCS11) | 19.34                 | 30.00                       | -10.66                      | 5.50            | 24.84              | -                        | -                    |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 19.22                 | 30.00                       | -10.78                      | 5.50            | 24.72              | -                        | -                    |

Table 7-19. ISED Antenna 5b 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

| 5GHz (40MHz Bandwidth) | Freq [MHz] | Channel | Detector | RU Size | RU Index | Data Rate [Mbps]  | Conducted Power [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] |
|------------------------|------------|---------|----------|---------|----------|-------------------|-----------------------|-----------------------------|-----------------------------|-----------------|--------------------|--------------------------|----------------------|
|                        |            |         |          |         |          |                   |                       |                             |                             |                 |                    |                          |                      |
|                        | 5190       | 38      | AVG      | 242     | 61       | 271/286.8 (MCS11) | 11.08                 | -                           | -                           | 5.50            | 16.58              | 22.76                    | -6.18                |
|                        |            |         | AVG      | 242     | 62       | 271/286.8 (MCS11) | 11.50                 | -                           | -                           | 5.50            | 17.00              | 22.76                    | -5.76                |
|                        | 5230       | 46      | AVG      | 242     | 61       | 271/286.8 (MCS11) | 12.04                 | -                           | -                           | 5.50            | 17.54              | 22.76                    | -5.22                |
|                        |            |         | AVG      | 242     | 62       | 271/286.8 (MCS11) | 12.38                 | -                           | -                           | 5.50            | 17.88              | 22.76                    | -4.88                |
|                        | 5270       | 54      | AVG      | 242     | 61       | 271/286.8 (MCS11) | 18.04                 | 23.73                       | -5.69                       | 5.20            | 23.24              | 29.73                    | -6.49                |
|                        |            |         | AVG      | 242     | 62       | 271/286.8 (MCS11) | 18.27                 | 23.73                       | -5.46                       | 5.20            | 23.47              | 29.73                    | -6.26                |
|                        | 5310       | 62      | AVG      | 242     | 61       | 271/286.8 (MCS11) | 13.29                 | 23.73                       | -10.44                      | 5.20            | 18.49              | 29.73                    | -11.24               |
|                        |            |         | AVG      | 242     | 62       | 271/286.8 (MCS11) | 13.45                 | 23.73                       | -10.28                      | 5.20            | 18.65              | 29.73                    | -11.08               |
|                        | 5510       | 102     | AVG      | 242     | 61       | 271/286.8 (MCS11) | 10.74                 | 23.65                       | -12.91                      | 4.20            | 14.94              | 29.65                    | -14.71               |
|                        |            |         | AVG      | 242     | 62       | 271/286.8 (MCS11) | 10.96                 | 23.65                       | -12.69                      | 4.20            | 15.16              | 29.65                    | -14.49               |
|                        | 5550       | 110     | AVG      | 242     | 61       | 271/286.8 (MCS11) | 17.17                 | 23.65                       | -6.48                       | 4.20            | 21.37              | 29.65                    | -8.28                |
|                        |            |         | AVG      | 242     | 62       | 271/286.8 (MCS11) | 17.30                 | 23.65                       | -6.35                       | 4.20            | 21.50              | 29.65                    | -8.15                |
|                        | 5670       | 134     | AVG      | 242     | 61       | 271/286.8 (MCS11) | 14.55                 | 23.65                       | -9.10                       | 4.20            | 18.75              | 29.65                    | -10.90               |
|                        |            |         | AVG      | 242     | 62       | 271/286.8 (MCS11) | 14.80                 | 23.65                       | -8.85                       | 4.20            | 19.00              | 29.65                    | -10.65               |
|                        | 5710       | 142     | AVG      | 106     | 53       | 271/286.8 (MCS11) | 17.35                 | 23.65                       | -6.30                       | 4.20            | 21.55              | 29.65                    | -8.10                |
|                        |            |         | AVG      | 106     | 54       | 271/286.8 (MCS11) | 17.99                 | 23.65                       | -5.66                       | 4.20            | 22.19              | 29.65                    | -7.46                |
|                        | 5755       | 151     | AVG      | 106     | 56       | 271/286.8 (MCS11) | 17.60                 | 23.65                       | -6.05                       | 4.20            | 21.80              | 29.65                    | -7.85                |
|                        |            |         | AVG      | 242     | 61       | 271/286.8 (MCS11) | 19.15                 | 30.00                       | -10.85                      | 5.50            | 24.65              | -                        | -                    |
|                        | 5795       | 159     | AVG      | 242     | 62       | 271/286.8 (MCS11) | 19.24                 | 30.00                       | -10.76                      | 5.50            | 24.74              | -                        | -                    |
|                        |            |         | AVG      | 242     | 61       | 271/286.8 (MCS11) | 19.39                 | 30.00                       | -10.61                      | 5.50            | 24.89              | -                        | -                    |
|                        |            |         | AVG      | 242     | 62       | 271/286.8 (MCS11) | 19.49                 | 30.00                       | -10.51                      | 5.50            | 24.99              | -                        | -                    |

Table 7-20. ISED Antenna 5b 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

|                                            |                                                                                     |                                       |                                 |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2301<br>IC: 579C-A2301         |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2101020002-16-R1.BCG | Test Dates:<br>12/12/2020 - 3/10/2021                                               | EUT Type:<br>Tablet Device            | Page 47 of 257                  |

| 5GHz (80MHz Bandwidth) | Freq [MHz] | Channel | Detector | RU Size | RU Index | Data Rate [Mbps]  | Conducted Power [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] |
|------------------------|------------|---------|----------|---------|----------|-------------------|-----------------------|-----------------------------|-----------------------------|-----------------|--------------------|--------------------------|----------------------|
|                        | 5210       | 42      | AVG      | 484     | 65       | 567/600.5 (MCS11) | 10.73                 | -                           | -                           | 5.50            | 16.23              | 22.76                    | -6.53                |
|                        |            |         | AVG      | 484     | 66       | 567/600.5 (MCS11) | 11.34                 | -                           | -                           | 5.50            | 16.84              | 22.76                    | -5.92                |
|                        | 5290       | 58      | AVG      | 484     | 65       | 567/600.5 (MCS11) | 12.62                 | 23.73                       | -11.11                      | 5.20            | 17.82              | 29.73                    | -11.91               |
|                        |            |         | AVG      | 484     | 66       | 567/600.5 (MCS11) | 12.85                 | 23.73                       | -10.88                      | 5.20            | 18.05              | 29.73                    | -11.68               |
|                        | 5530       | 106     | AVG      | 242     | 61       | 567/600.5 (MCS11) | 12.12                 | 23.65                       | -11.53                      | 4.20            | 16.32              | 29.65                    | -13.33               |
|                        |            |         | AVG      | 242     | 62       | 567/600.5 (MCS11) | 12.43                 | 23.65                       | -11.22                      | 4.20            | 16.63              | 29.65                    | -13.02               |
|                        |            |         | AVG      | 242     | 64       | 567/600.5 (MCS11) | 12.50                 | 23.65                       | -11.15                      | 4.20            | 16.70              | 29.65                    | -12.95               |
|                        | 5690       | 138     | AVG      | 106     | 53       | 567/600.5 (MCS11) | 17.73                 | 23.65                       | -5.92                       | 4.20            | 21.93              | 29.65                    | -7.72                |
|                        |            |         | AVG      | 106     | 56       | 567/600.5 (MCS11) | 17.90                 | 23.65                       | -5.75                       | 4.20            | 22.10              | 29.65                    | -7.55                |
|                        |            |         | AVG      | 106     | 60       | 567/600.5 (MCS11) | 17.76                 | 23.65                       | -5.89                       | 4.20            | 21.96              | 29.65                    | -7.69                |
|                        | 5775       | 155     | AVG      | 484     | 65       | 567/600.5 (MCS11) | 15.69                 | 30.00                       | -14.31                      | 5.50            | 21.19              | -                        | -                    |
|                        |            |         | AVG      | 484     | 66       | 567/600.5 (MCS11) | 15.73                 | 30.00                       | -14.27                      | 5.50            | 21.23              | -                        | -                    |

Table 7-21. ISED Antenna 5b 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

|                                            |                                                                                                                                  |                            |                                 |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2301<br>IC: 579C-A2301         |  <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2101020002-16-R1.BCG | Test Dates:<br>12/12/2020 - 3/10/2021                                                                                            | EUT Type:<br>Tablet Device | Page 48 of 257                  |

## FCC Antenna 5b Conducted Output Power Measurements (Fully-loaded RU)

| 5GHz (20MHz Bandwidth) | Freq [MHz] | Channel | Detector | RU Size | RU Index | Data Rate [Mbps]  | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|----------|---------|----------|-------------------|-----------------------|-----------------------------|-----------------------------|
|                        | 5180       | 36      | AVG      | 242     | 61       | 135/143.4 (MCS11) | 14.74                 | 23.98                       | -9.24                       |
|                        | 5200       | 40      | AVG      | 242     | 61       | 135/143.4 (MCS11) | 18.96                 | 23.98                       | -5.02                       |
|                        | 5240       | 48      | AVG      | 242     | 61       | 135/143.4 (MCS11) | 19.36                 | 23.98                       | -4.62                       |
|                        | 5260       | 52      | AVG      | 242     | 61       | 135/143.4 (MCS11) | 19.50                 | 23.73                       | -4.23                       |
|                        | 5300       | 60      | AVG      | 242     | 61       | 135/143.4 (MCS11) | 18.85                 | 23.73                       | -4.88                       |
|                        | 5320       | 64      | AVG      | 242     | 61       | 135/143.4 (MCS11) | 16.84                 | 23.73                       | -6.89                       |
|                        | 5500       | 100     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 14.31                 | 23.65                       | -9.34                       |
|                        | 5520       | 104     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 17.97                 | 23.65                       | -5.68                       |
|                        | 5540       | 108     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 18.85                 | 23.65                       | -4.80                       |
|                        | 5560       | 112     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 19.43                 | 23.65                       | -4.22                       |
|                        | 5580       | 116     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 19.48                 | 23.65                       | -4.17                       |
|                        | 5640       | 128     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 19.33                 | 23.65                       | -4.32                       |
|                        | 5660       | 132     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 18.93                 | 23.65                       | -4.72                       |
|                        | 5680       | 136     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 17.46                 | 23.65                       | -6.19                       |
|                        | 5700       | 140     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 12.84                 | 23.65                       | -10.81                      |
|                        | 5720       | 144     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 19.49                 | 23.65                       | -4.16                       |
|                        | 5745       | 149     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 19.39                 | 30.00                       | -10.61                      |
|                        | 5785       | 157     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 19.43                 | 30.00                       | -10.57                      |
|                        | 5825       | 165     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 19.49                 | 30.00                       | -10.51                      |

Table 7-22. FCC Antenna 5b 20MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

| 5GHz (40MHz Bandwidth) | Freq [MHz] | Channel | Detector | RU Size | RU Index | Data Rate [Mbps]  | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|----------|---------|----------|-------------------|-----------------------|-----------------------------|-----------------------------|
|                        | 5190       | 38      | AVG      | 484     | 65       | 271/286.8 (MCS11) | 11.84                 | 23.98                       | -12.14                      |
|                        | 5230       | 46      | AVG      | 484     | 65       | 271/286.8 (MCS11) | 17.95                 | 23.98                       | -6.03                       |
|                        | 5270       | 54      | AVG      | 484     | 65       | 271/286.8 (MCS11) | 18.33                 | 23.73                       | -5.40                       |
|                        | 5310       | 62      | AVG      | 484     | 65       | 271/286.8 (MCS11) | 13.22                 | 23.73                       | -10.51                      |
|                        | 5510       | 102     | AVG      | 484     | 65       | 271/286.8 (MCS11) | 10.82                 | 23.65                       | -12.83                      |
|                        | 5550       | 110     | AVG      | 484     | 65       | 271/286.8 (MCS11) | 17.27                 | 23.65                       | -6.38                       |
|                        | 5590       | 118     | AVG      | 484     | 65       | 271/286.8 (MCS11) | 18.33                 | 23.65                       | -5.32                       |
|                        | 5630       | 126     | AVG      | 484     | 65       | 271/286.8 (MCS11) | 18.31                 | 23.65                       | -5.34                       |
|                        | 5670       | 134     | AVG      | 484     | 65       | 271/286.8 (MCS11) | 14.77                 | 23.65                       | -8.88                       |
|                        | 5710       | 142     | AVG      | 484     | 65       | 271/286.8 (MCS11) | 19.34                 | 23.65                       | -4.31                       |
|                        | 5755       | 151     | AVG      | 484     | 65       | 271/286.8 (MCS11) | 19.42                 | 30.00                       | -10.58                      |
|                        | 5795       | 159     | AVG      | 484     | 65       | 271/286.8 (MCS11) | 19.44                 | 30.00                       | -10.56                      |

Table 7-23. FCC Antenna 5b 40MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

| 5GHz (80MHz Bandwidth) | Freq [MHz] | Channel | Detector | RU Size | RU Index | Data Rate [Mbps]  | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|----------|---------|----------|-------------------|-----------------------|-----------------------------|-----------------------------|
|                        | 5210       | 42      | AVG      | 996     | 67       | 567/600.5 (MCS11) | 11.29                 | 23.98                       | -12.69                      |
|                        | 5290       | 58      | AVG      | 996     | 67       | 567/600.5 (MCS11) | 12.33                 | 23.73                       | -11.40                      |
|                        | 5530       | 106     | AVG      | 996     | 67       | 567/600.5 (MCS11) | 11.40                 | 23.65                       | -12.25                      |
|                        | 5610       | 122     | AVG      | 996     | 67       | 567/600.5 (MCS11) | 16.94                 | 23.65                       | -6.71                       |
|                        | 5690       | 138     | AVG      | 996     | 67       | 567/600.5 (MCS11) | 19.24                 | 23.65                       | -4.41                       |
|                        | 5775       | 155     | AVG      | 996     | 67       | 567/600.5 (MCS11) | 15.89                 | 30.00                       | -14.11                      |

Table 7-24. FCC Antenna 5b 80MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

|                                            |                                                                                     |                                       |  |  |  |  |  |                                 |  |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|--|--|--|--|--|---------------------------------|--|
| FCC ID: BCGA2301<br>IC: 579C-A2301         |  | MEASUREMENT REPORT<br>(CERTIFICATION) |  |  |  |  |  | Approved by:<br>Quality Manager |  |
| Test Report S/N:<br>1C2101020002-16-R1.BCG | Test Dates:<br>12/12/2020 - 3/10/2021                                               | EUT Type:<br>Tablet Device            |  |  |  |  |  | Page 49 of 257                  |  |

## ISED Antenna 5b Conducted Output Power Measurements (Fully-loaded RU)

| 5GHz (20MHz Bandwidth) | Freq [MHz] | Channel | Detector | RU Size | RU Index | Data Rate [Mbps]  | Conducted Power [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] |
|------------------------|------------|---------|----------|---------|----------|-------------------|-----------------------|-----------------------------|-----------------------------|-----------------|--------------------|--------------------------|----------------------|
|                        | 5180       | 36      | AVG      | 242     | 61       | 135/143.4 (MCS11) | 12.31                 | -                           | -                           | 5.50            | 17.81              | 22.76                    | -4.95                |
|                        | 5200       | 40      | AVG      | 242     | 61       | 135/143.4 (MCS11) | 12.29                 | -                           | -                           | 5.50            | 17.79              | 22.76                    | -4.97                |
|                        | 5240       | 48      | AVG      | 242     | 61       | 135/143.4 (MCS11) | 12.27                 | -                           | -                           | 5.50            | 17.77              | 22.76                    | -4.99                |
|                        | 5260       | 52      | AVG      | 242     | 61       | 135/143.4 (MCS11) | 19.50                 | 23.73                       | -4.23                       | 5.20            | 24.70              | 29.73                    | -5.03                |
|                        | 5300       | 60      | AVG      | 242     | 61       | 135/143.4 (MCS11) | 18.85                 | 23.73                       | -4.88                       | 5.20            | 24.05              | 29.73                    | -5.68                |
|                        | 5320       | 64      | AVG      | 242     | 61       | 135/143.4 (MCS11) | 16.84                 | 23.73                       | -6.89                       | 5.20            | 22.04              | 29.73                    | -7.69                |
|                        | 5500       | 100     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 14.31                 | 23.65                       | -9.34                       | 4.20            | 18.51              | 29.65                    | -11.14               |
|                        | 5520       | 104     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 17.97                 | 23.65                       | -5.68                       | 4.20            | 22.17              | 29.65                    | -7.48                |
|                        | 5540       | 108     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 18.85                 | 23.65                       | -4.80                       | 4.20            | 23.05              | 29.65                    | -6.60                |
|                        | 5560       | 112     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 19.43                 | 23.65                       | -4.22                       | 4.20            | 23.63              | 29.65                    | -6.02                |
|                        | 5580       | 116     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 19.48                 | 23.65                       | -4.17                       | 4.20            | 23.68              | 29.65                    | -5.97                |
|                        | 5660       | 132     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 18.93                 | 23.65                       | -4.72                       | 4.20            | 23.13              | 29.65                    | -6.52                |
|                        | 5680       | 136     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 17.46                 | 23.65                       | -6.19                       | 4.20            | 21.66              | 29.65                    | -7.99                |
|                        | 5700       | 140     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 12.84                 | 23.65                       | -10.81                      | 4.20            | 17.04              | 29.65                    | -12.61               |
|                        | 5720       | 144     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 19.49                 | 23.65                       | -4.16                       | 4.20            | 23.69              | 29.65                    | -5.96                |
|                        | 5745       | 149     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 19.39                 | 30.00                       | -10.61                      | 5.50            | 24.89              | -                        | -                    |
|                        | 5785       | 157     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 19.43                 | 30.00                       | -10.57                      | 5.50            | 24.93              | -                        | -                    |
|                        | 5825       | 165     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 19.49                 | 30.00                       | -10.51                      | 5.50            | 24.99              | -                        | -                    |

Table 7-25. ISED Antenna 5b 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

| 5GHz (40MHz Bandwidth) | Freq [MHz] | Channel | Detector | RU Size | RU Index | Data Rate [Mbps]  | Conducted Power [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] |
|------------------------|------------|---------|----------|---------|----------|-------------------|-----------------------|-----------------------------|-----------------------------|-----------------|--------------------|--------------------------|----------------------|
|                        | 5190       | 38      | AVG      | 484     | 65       | 271/286.8 (MCS11) | 11.84                 | -                           | -                           | 5.50            | 17.34              | 22.76                    | -5.42                |
|                        | 5230       | 46      | AVG      | 484     | 65       | 271/286.8 (MCS11) | 14.96                 | -                           | -                           | 5.50            | 20.46              | 22.76                    | -2.30                |
|                        | 5270       | 54      | AVG      | 484     | 65       | 271/286.8 (MCS11) | 18.33                 | 23.73                       | -5.40                       | 5.20            | 23.53              | 29.73                    | -6.20                |
|                        | 5310       | 62      | AVG      | 484     | 65       | 271/286.8 (MCS11) | 13.22                 | 23.73                       | -10.51                      | 5.20            | 18.42              | 29.73                    | -11.31               |
|                        | 5510       | 102     | AVG      | 484     | 65       | 271/286.8 (MCS11) | 10.82                 | 23.65                       | -12.83                      | 4.20            | 15.02              | 29.65                    | -14.63               |
|                        | 5550       | 110     | AVG      | 484     | 65       | 271/286.8 (MCS11) | 17.27                 | 23.65                       | -6.38                       | 4.20            | 21.47              | 29.65                    | -8.18                |
|                        | 5670       | 134     | AVG      | 484     | 65       | 271/286.8 (MCS11) | 14.77                 | 23.65                       | -8.88                       | 4.20            | 18.97              | 29.65                    | -10.68               |
|                        | 5710       | 142     | AVG      | 484     | 65       | 271/286.8 (MCS11) | 19.34                 | 23.65                       | -4.31                       | 4.20            | 23.54              | 29.65                    | -6.11                |
|                        | 5755       | 151     | AVG      | 484     | 65       | 271/286.8 (MCS11) | 19.42                 | 30.00                       | -10.58                      | 5.50            | 24.92              | -                        | -                    |
|                        | 5795       | 159     | AVG      | 484     | 65       | 271/286.8 (MCS11) | 19.44                 | 30.00                       | -10.56                      | 5.50            | 24.94              | -                        | -                    |

Table 7-26. ISED Antenna 5b 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

| 5GHz (80MHz Bandwidth) | Freq [MHz] | Channel | Detector | RU Size | RU Index | Data Rate [Mbps]  | Conducted Power [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] |
|------------------------|------------|---------|----------|---------|----------|-------------------|-----------------------|-----------------------------|-----------------------------|-----------------|--------------------|--------------------------|----------------------|
|                        | 5210       | 42      | AVG      | 996     | 67       | 567/600.5 (MCS11) | 11.29                 | -                           | -                           | 5.50            | 16.79              | 22.76                    | -5.97                |
|                        | 5290       | 58      | AVG      | 996     | 67       | 567/600.5 (MCS11) | 12.33                 | 23.73                       | -11.40                      | 5.20            | 17.53              | 29.73                    | -12.20               |
|                        | 5530       | 106     | AVG      | 996     | 67       | 567/600.5 (MCS11) | 11.40                 | 23.65                       | -12.25                      | 4.20            | 15.60              | 29.65                    | -14.05               |
|                        | 5690       | 138     | AVG      | 996     | 67       | 567/600.5 (MCS11) | 19.24                 | 23.65                       | -4.41                       | 4.20            | 23.44              | 29.65                    | -6.21                |
|                        | 5775       | 155     | AVG      | 996     | 67       | 567/600.5 (MCS11) | 15.89                 | 30.00                       | -14.11                      | 5.50            | 21.39              | -                        | -                    |

Table 7-27. ISED Antenna 5b 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

|                                            |                                                                                                                                                                                                              |                                       |                                 |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2301<br>IC: 579C-A2301         |  <b>PCTEST</b><br>Proud to be part of  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2101020002-16-R1.BCG | Test Dates:<br>12/12/2020 - 3/10/2021                                                                                                                                                                        | EUT Type:<br>Tablet Device            | Page 50 of 257                  |

## FCC Antenna 4b Conducted Output Power Measurements (RU26)

| 5GHz (20MHz Bandwidth) | Freq [MHz] | Channel | Detector | RU Size | RU Index | Data Rate [Mbps]  | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|----------|---------|----------|-------------------|-----------------------|-----------------------------|-----------------------------|
|                        | 5180       | 36      | AVG      | 26      | 0        | 135/143.4 (MCS11) | 10.79                 | 23.98                       | -13.19                      |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 11.28                 | 23.98                       | -12.70                      |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 10.82                 | 23.98                       | -13.16                      |
|                        | 5200       | 40      | AVG      | 26      | 0        | 135/143.4 (MCS11) | 11.10                 | 23.98                       | -12.88                      |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 11.50                 | 23.98                       | -12.48                      |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 10.88                 | 23.98                       | -13.10                      |
|                        | 5240       | 48      | AVG      | 26      | 0        | 135/143.4 (MCS11) | 10.83                 | 23.98                       | -13.15                      |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 11.33                 | 23.98                       | -12.65                      |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 10.82                 | 23.98                       | -13.16                      |
|                        | 5260       | 52      | AVG      | 26      | 0        | 135/143.4 (MCS11) | 11.00                 | 23.73                       | -12.73                      |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 11.53                 | 23.73                       | -12.20                      |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 11.11                 | 23.73                       | -12.62                      |
|                        | 5300       | 60      | AVG      | 26      | 0        | 135/143.4 (MCS11) | 11.05                 | 23.73                       | -12.68                      |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 11.59                 | 23.73                       | -12.14                      |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 11.15                 | 23.73                       | -12.58                      |
|                        | 5320       | 64      | AVG      | 26      | 0        | 135/143.4 (MCS11) | 10.84                 | 23.73                       | -12.89                      |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 11.47                 | 23.73                       | -12.26                      |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 11.01                 | 23.73                       | -12.72                      |
|                        | 5500       | 100     | AVG      | 26      | 0        | 135/143.4 (MCS11) | 11.31                 | 23.65                       | -12.34                      |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 11.82                 | 23.65                       | -11.83                      |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 11.31                 | 23.65                       | -12.34                      |
|                        | 5580       | 116     | AVG      | 26      | 0        | 135/143.4 (MCS11) | 11.28                 | 23.65                       | -12.37                      |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 11.82                 | 23.65                       | -11.83                      |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 11.38                 | 23.65                       | -12.27                      |
|                        | 5700       | 140     | AVG      | 26      | 0        | 135/143.4 (MCS11) | 11.00                 | 23.65                       | -12.65                      |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 11.75                 | 23.65                       | -11.90                      |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 11.30                 | 23.65                       | -12.35                      |
|                        | 5720       | 144     | AVG      | 26      | 0        | 135/143.4 (MCS11) | 11.00                 | 23.65                       | -12.65                      |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 11.83                 | 23.65                       | -11.82                      |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 11.40                 | 23.65                       | -12.25                      |
|                        | 5745       | 149     | AVG      | 26      | 0        | 135/143.4 (MCS11) | 19.33                 | 30.00                       | -10.67                      |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 19.48                 | 30.00                       | -10.52                      |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 18.90                 | 30.00                       | -11.10                      |
|                        | 5785       | 157     | AVG      | 26      | 0        | 135/143.4 (MCS11) | 19.03                 | 30.00                       | -10.97                      |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 19.31                 | 30.00                       | -10.69                      |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 18.80                 | 30.00                       | -11.20                      |
|                        | 5825       | 165     | AVG      | 26      | 0        | 135/143.4 (MCS11) | 19.06                 | 30.00                       | -10.94                      |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 19.42                 | 30.00                       | -10.58                      |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 18.88                 | 30.00                       | -11.12                      |

Table 7-28. FCC Antenna 4b 20MHz BW (UNII) Maximum Conducted Output Power (RU26)

|                                            |                                                                                                                                         |                            |                                 |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2301<br>IC: 579C-A2301         |  <b>MEASUREMENT REPORT</b><br><b>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2101020002-16-R1.BCG | Test Dates:<br>12/12/2020 - 3/10/2021                                                                                                   | EUT Type:<br>Tablet Device | Page 51 of 257                  |

| 5GHz (40MHz Bandwidth) | Freq [MHz] | Channel | Detector | RU Size | RU Index | Data Rate [Mbps]  | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|----------|---------|----------|-------------------|-----------------------|-----------------------------|-----------------------------|
|                        | 5190       | 38      | AVG      | 26      | 0        | 271/286.8 (MCS11) | 11.42                 | 23.98                       | -12.56                      |
|                        |            |         | AVG      | 26      | 8        | 271/286.8 (MCS11) | 11.36                 | 23.98                       | -12.62                      |
|                        |            |         | AVG      | 26      | 17       | 271/286.8 (MCS11) | 11.39                 | 23.98                       | -12.59                      |
|                        | 5230       | 46      | AVG      | 26      | 0        | 271/286.8 (MCS11) | 11.42                 | 23.98                       | -12.56                      |
|                        |            |         | AVG      | 26      | 8        | 271/286.8 (MCS11) | 11.32                 | 23.98                       | -12.66                      |
|                        |            |         | AVG      | 26      | 17       | 271/286.8 (MCS11) | 11.22                 | 23.98                       | -12.76                      |
|                        | 5270       | 54      | AVG      | 26      | 0        | 271/286.8 (MCS11) | 11.42                 | 23.73                       | -12.31                      |
|                        |            |         | AVG      | 26      | 8        | 271/286.8 (MCS11) | 11.69                 | 23.73                       | -12.04                      |
|                        |            |         | AVG      | 26      | 17       | 271/286.8 (MCS11) | 11.33                 | 23.73                       | -12.40                      |
|                        | 5310       | 62      | AVG      | 26      | 0        | 271/286.8 (MCS11) | 11.39                 | 23.73                       | -12.34                      |
|                        |            |         | AVG      | 26      | 8        | 271/286.8 (MCS11) | 11.47                 | 23.73                       | -12.26                      |
|                        |            |         | AVG      | 26      | 17       | 271/286.8 (MCS11) | 11.50                 | 23.73                       | -12.23                      |
|                        | 5510       | 102     | AVG      | 26      | 0        | 271/286.8 (MCS11) | 10.92                 | 23.65                       | -12.73                      |
|                        |            |         | AVG      | 26      | 8        | 271/286.8 (MCS11) | 10.86                 | 23.65                       | -12.79                      |
|                        |            |         | AVG      | 26      | 17       | 271/286.8 (MCS11) | 10.78                 | 23.65                       | -12.87                      |
|                        | 5550       | 110     | AVG      | 26      | 0        | 271/286.8 (MCS11) | 11.88                 | 23.65                       | -11.77                      |
|                        |            |         | AVG      | 26      | 8        | 271/286.8 (MCS11) | 11.78                 | 23.65                       | -11.87                      |
|                        |            |         | AVG      | 26      | 17       | 271/286.8 (MCS11) | 11.90                 | 23.65                       | -11.75                      |
|                        | 5670       | 134     | AVG      | 26      | 0        | 271/286.8 (MCS11) | 11.70                 | 23.65                       | -11.95                      |
|                        |            |         | AVG      | 26      | 8        | 271/286.8 (MCS11) | 11.71                 | 23.65                       | -11.94                      |
|                        |            |         | AVG      | 26      | 17       | 271/286.8 (MCS11) | 11.62                 | 23.65                       | -12.03                      |
|                        | 5710       | 142     | AVG      | 26      | 0        | 271/286.8 (MCS11) | 11.81                 | 23.65                       | -11.84                      |
|                        |            |         | AVG      | 26      | 8        | 271/286.8 (MCS11) | 11.85                 | 23.65                       | -11.80                      |
|                        |            |         | AVG      | 26      | 17       | 271/286.8 (MCS11) | 11.76                 | 23.65                       | -11.89                      |
|                        | 5755       | 151     | AVG      | 26      | 0        | 271/286.8 (MCS11) | 19.40                 | 30.00                       | -10.60                      |
|                        |            |         | AVG      | 26      | 8        | 271/286.8 (MCS11) | 19.34                 | 30.00                       | -10.66                      |
|                        |            |         | AVG      | 26      | 17       | 271/286.8 (MCS11) | 19.27                 | 30.00                       | -10.73                      |
|                        | 5795       | 159     | AVG      | 26      | 0        | 271/286.8 (MCS11) | 19.18                 | 30.00                       | -10.82                      |
|                        |            |         | AVG      | 26      | 8        | 271/286.8 (MCS11) | 19.26                 | 30.00                       | -10.74                      |
|                        |            |         | AVG      | 26      | 17       | 271/286.8 (MCS11) | 19.36                 | 30.00                       | -10.64                      |

Table 7-29. FCC Antenna 4b 40MHz BW (UNII) Maximum Conducted Output Power (RU26)

|                                            |                                                                                                                                                                                                              |                                       |                                 |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2301<br>IC: 579C-A2301         |  <b>PCTEST</b><br>Proud to be part of  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2101020002-16-R1.BCG | Test Dates:<br>12/12/2020 - 3/10/2021                                                                                                                                                                        | EUT Type:<br>Tablet Device            | Page 52 of 257                  |



| 5GHz (80MHz Bandwidth) | Freq [MHz] | Channel | Detector | RU Size | RU Index | Data Rate [Mbps]  | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|----------|---------|----------|-------------------|-----------------------|-----------------------------|-----------------------------|
|                        | 5210       | 42      | AVG      | 26      | 0        | 567/600.5 (MCS11) | 11.14                 | 23.98                       | -12.84                      |
|                        |            |         | AVG      | 26      | 18       | 567/600.5 (MCS11) | 11.25                 | 23.98                       | -12.73                      |
|                        |            |         | AVG      | 26      | 36       | 567/600.5 (MCS11) | 11.29                 | 23.98                       | -12.69                      |
|                        | 5290       | 58      | AVG      | 26      | 0        | 567/600.5 (MCS11) | 11.60                 | 23.73                       | -12.13                      |
|                        |            |         | AVG      | 26      | 18       | 567/600.5 (MCS11) | 11.51                 | 23.73                       | -12.22                      |
|                        |            |         | AVG      | 26      | 36       | 567/600.5 (MCS11) | 11.54                 | 23.73                       | -12.19                      |
|                        | 5530       | 106     | AVG      | 26      | 0        | 567/600.5 (MCS11) | 10.60                 | 23.65                       | -13.05                      |
|                        |            |         | AVG      | 26      | 18       | 567/600.5 (MCS11) | 10.58                 | 23.65                       | -13.07                      |
|                        |            |         | AVG      | 26      | 36       | 567/600.5 (MCS11) | 10.64                 | 23.65                       | -13.01                      |
|                        | 5610       | 122     | AVG      | 26      | 0        | 567/600.5 (MCS11) | 11.70                 | 23.65                       | -11.95                      |
|                        |            |         | AVG      | 26      | 18       | 567/600.5 (MCS11) | 11.66                 | 23.65                       | -11.99                      |
|                        |            |         | AVG      | 26      | 36       | 567/600.5 (MCS11) | 11.73                 | 23.65                       | -11.92                      |
|                        | 5690       | 138     | AVG      | 26      | 0        | 567/600.5 (MCS11) | 11.68                 | 23.65                       | -11.97                      |
|                        |            |         | AVG      | 26      | 18       | 567/600.5 (MCS11) | 11.74                 | 23.65                       | -11.91                      |
|                        |            |         | AVG      | 26      | 36       | 567/600.5 (MCS11) | 11.80                 | 23.65                       | -11.85                      |
|                        | 5775       | 155     | AVG      | 26      | 0        | 567/600.5 (MCS11) | 15.75                 | 30.00                       | -14.25                      |
|                        |            |         | AVG      | 26      | 18       | 567/600.5 (MCS11) | 15.77                 | 30.00                       | -14.23                      |
|                        |            |         | AVG      | 26      | 36       | 567/600.5 (MCS11) | 15.83                 | 30.00                       | -14.17                      |

Table 7-30. FCC Antenna 4b 80MHz BW (UNII) Maximum Conducted Output Power (RU26)

|                                            |                                                                                                                                                                                                              |                                       |                                 |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2301<br>IC: 579C-A2301         |  <b>PCTEST</b><br>Proud to be part of  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2101020002-16-R1.BCG | Test Dates:<br>12/12/2020 - 3/10/2021                                                                                                                                                                        | EUT Type:<br>Tablet Device            | Page 53 of 257                  |

## ISED Antenna 4b Conducted Output Power Measurements (RU26)

| 5GHz (20MHz Bandwidth) | Freq [MHz] | Channel | Detector | RU Size | RU Index | Data Rate [Mbps]  | Conducted Power [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] |
|------------------------|------------|---------|----------|---------|----------|-------------------|-----------------------|-----------------------------|-----------------------------|-----------------|--------------------|--------------------------|----------------------|
|                        |            |         |          |         |          |                   |                       |                             |                             |                 |                    |                          |                      |
|                        | 5180       | 36      | AVG      | 26      | 0        | 135/143.4 (MCS11) | 3.77                  | -                           | -                           | 1.00            | 4.77               | 22.76                    | -17.99               |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 4.00                  | -                           | -                           | 1.00            | 5.00               | 22.76                    | -17.76               |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 3.63                  | -                           | -                           | 1.00            | 4.63               | 22.76                    | -18.13               |
|                        | 5200       | 40      | AVG      | 26      | 0        | 135/143.4 (MCS11) | 3.75                  | -                           | -                           | 1.00            | 4.75               | 22.76                    | -18.01               |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 4.00                  | -                           | -                           | 1.00            | 5.00               | 22.76                    | -17.76               |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 3.47                  | -                           | -                           | 1.00            | 4.47               | 22.76                    | -18.29               |
|                        | 5240       | 48      | AVG      | 26      | 0        | 135/143.4 (MCS11) | 3.66                  | -                           | -                           | 1.00            | 4.66               | 22.76                    | -18.10               |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 4.00                  | -                           | -                           | 1.00            | 5.00               | 22.76                    | -17.76               |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 3.62                  | -                           | -                           | 1.00            | 4.62               | 22.76                    | -18.14               |
|                        | 5260       | 52      | AVG      | 26      | 0        | 135/143.4 (MCS11) | 11.00                 | 23.73                       | -12.73                      | 0.00            | 11.00              | 29.73                    | -18.73               |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 11.53                 | 23.73                       | -12.20                      | 0.00            | 11.53              | 29.73                    | -18.20               |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 11.11                 | 23.73                       | -12.62                      | 0.00            | 11.11              | 29.73                    | -18.62               |
|                        | 5300       | 60      | AVG      | 26      | 0        | 135/143.4 (MCS11) | 11.05                 | 23.73                       | -12.68                      | 0.00            | 11.05              | 29.73                    | -18.68               |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 11.59                 | 23.73                       | -12.14                      | 0.00            | 11.59              | 29.73                    | -18.14               |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 11.15                 | 23.73                       | -12.58                      | 0.00            | 11.15              | 29.73                    | -18.58               |
|                        | 5320       | 64      | AVG      | 26      | 0        | 135/143.4 (MCS11) | 10.84                 | 23.73                       | -12.89                      | 0.00            | 10.84              | 29.73                    | -18.89               |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 11.47                 | 23.73                       | -12.26                      | 0.00            | 11.47              | 29.73                    | -18.26               |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 11.01                 | 23.73                       | -12.72                      | 0.00            | 11.01              | 29.73                    | -18.72               |
|                        | 5500       | 100     | AVG      | 26      | 0        | 135/143.4 (MCS11) | 11.31                 | 23.65                       | -12.34                      | 1.60            | 12.91              | 29.65                    | -16.74               |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 11.82                 | 23.65                       | -11.83                      | 1.60            | 13.42              | 29.65                    | -16.23               |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 11.31                 | 23.65                       | -12.34                      | 1.60            | 12.91              | 29.65                    | -16.74               |
|                        | 5580       | 116     | AVG      | 26      | 0        | 135/143.4 (MCS11) | 11.28                 | 23.65                       | -12.37                      | 1.60            | 12.88              | 29.65                    | -16.77               |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 11.82                 | 23.65                       | -11.83                      | 1.60            | 13.42              | 29.65                    | -16.23               |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 11.38                 | 23.65                       | -12.27                      | 1.60            | 12.98              | 29.65                    | -16.67               |
|                        | 5700       | 140     | AVG      | 26      | 0        | 135/143.4 (MCS11) | 11.00                 | 23.65                       | -12.65                      | 1.60            | 12.60              | 29.65                    | -17.05               |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 11.75                 | 23.65                       | -11.90                      | 1.60            | 13.35              | 29.65                    | -16.30               |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 11.30                 | 23.65                       | -12.35                      | 1.60            | 12.90              | 29.65                    | -16.75               |
|                        | 5720       | 144     | AVG      | 26      | 0        | 135/143.4 (MCS11) | 11.00                 | 23.65                       | -12.65                      | 1.60            | 12.60              | 29.65                    | -17.05               |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 11.83                 | 23.65                       | -11.82                      | 1.60            | 13.43              | 29.65                    | -16.22               |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 11.40                 | 23.65                       | -12.25                      | 1.60            | 13.00              | 29.65                    | -16.65               |
|                        | 5745       | 149     | AVG      | 26      | 0        | 135/143.4 (MCS11) | 19.33                 | 30.00                       | -10.67                      | 2.70            | 22.03              | -                        | -                    |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 19.48                 | 30.00                       | -10.52                      | 2.70            | 22.18              | -                        | -                    |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 18.90                 | 30.00                       | -11.10                      | 2.70            | 21.60              | -                        | -                    |
|                        | 5785       | 157     | AVG      | 26      | 0        | 135/143.4 (MCS11) | 19.03                 | 30.00                       | -10.97                      | 2.70            | 21.73              | -                        | -                    |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 19.31                 | 30.00                       | -10.69                      | 2.70            | 22.01              | -                        | -                    |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 18.80                 | 30.00                       | -11.20                      | 2.70            | 21.50              | -                        | -                    |
|                        | 5825       | 165     | AVG      | 26      | 0        | 135/143.4 (MCS11) | 19.06                 | 30.00                       | -10.94                      | 2.70            | 21.76              | -                        | -                    |
|                        |            |         | AVG      | 26      | 4        | 135/143.4 (MCS11) | 19.42                 | 30.00                       | -10.58                      | 2.70            | 22.12              | -                        | -                    |
|                        |            |         | AVG      | 26      | 8        | 135/143.4 (MCS11) | 18.88                 | 30.00                       | -11.12                      | 2.70            | 21.58              | -                        | -                    |

Table 7-31. ISED Antenna 4b 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (RU26)

|                                            |                                                                                     |                                       |                                 |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2301<br>IC: 579C-A2301         |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2101020002-16-R1.BCG | Test Dates:<br>12/12/2020 - 3/10/2021                                               | EUT Type:<br>Tablet Device            | Page 54 of 257                  |

| 5GHz (40MHz Bandwidth) | Freq [MHz] | Channel | Detector | RU Size | RU Index | Data Rate [Mbps]  | Conducted Power [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] |
|------------------------|------------|---------|----------|---------|----------|-------------------|-----------------------|-----------------------------|-----------------------------|-----------------|--------------------|--------------------------|----------------------|
|                        |            |         |          |         |          |                   |                       |                             |                             |                 |                    |                          |                      |
|                        | 5190       | 38      | AVG      | 26      | 0        | 271/286.8 (MCS11) | 3.43                  | -                           | -                           | 1.00            | 4.43               | 22.76                    | -18.33               |
|                        |            |         | AVG      | 26      | 8        | 271/286.8 (MCS11) | 4.00                  | -                           | -                           | 1.00            | 5.00               | 22.76                    | -17.76               |
|                        |            |         | AVG      | 26      | 17       | 271/286.8 (MCS11) | 3.64                  | -                           | -                           | 1.00            | 4.64               | 22.76                    | -18.12               |
|                        | 5230       | 46      | AVG      | 26      | 0        | 271/286.8 (MCS11) | 3.49                  | -                           | -                           | 1.00            | 4.49               | 22.76                    | -18.27               |
|                        |            |         | AVG      | 26      | 8        | 271/286.8 (MCS11) | 4.00                  | -                           | -                           | 1.00            | 5.00               | 22.76                    | -17.76               |
|                        |            |         | AVG      | 26      | 17       | 271/286.8 (MCS11) | 3.75                  | -                           | -                           | 1.00            | 4.75               | 22.76                    | -18.01               |
|                        | 5270       | 54      | AVG      | 26      | 0        | 271/286.8 (MCS11) | 11.42                 | 23.73                       | -12.31                      | 0.00            | 11.42              | 29.73                    | -18.31               |
|                        |            |         | AVG      | 26      | 8        | 271/286.8 (MCS11) | 11.69                 | 23.73                       | -12.04                      | 0.00            | 11.69              | 29.73                    | -18.04               |
|                        |            |         | AVG      | 26      | 17       | 271/286.8 (MCS11) | 11.33                 | 23.73                       | -12.40                      | 0.00            | 11.33              | 29.73                    | -18.40               |
|                        | 5310       | 62      | AVG      | 26      | 0        | 271/286.8 (MCS11) | 11.39                 | 23.73                       | -12.34                      | 0.00            | 11.39              | 29.73                    | -18.34               |
|                        |            |         | AVG      | 26      | 8        | 271/286.8 (MCS11) | 11.47                 | 23.73                       | -12.26                      | 0.00            | 11.47              | 29.73                    | -18.26               |
|                        |            |         | AVG      | 26      | 17       | 271/286.8 (MCS11) | 11.50                 | 23.73                       | -12.23                      | 0.00            | 11.50              | 29.73                    | -18.23               |
|                        | 5510       | 102     | AVG      | 26      | 0        | 271/286.8 (MCS11) | 10.92                 | 23.65                       | -12.73                      | 1.60            | 12.52              | 29.65                    | -17.13               |
|                        |            |         | AVG      | 26      | 8        | 271/286.8 (MCS11) | 10.86                 | 23.65                       | -12.79                      | 1.60            | 12.46              | 29.65                    | -17.19               |
|                        |            |         | AVG      | 26      | 17       | 271/286.8 (MCS11) | 10.78                 | 23.65                       | -12.87                      | 1.60            | 12.38              | 29.65                    | -17.27               |
|                        | 5550       | 110     | AVG      | 26      | 0        | 271/286.8 (MCS11) | 11.88                 | 23.65                       | -11.77                      | 1.60            | 13.48              | 29.65                    | -16.17               |
|                        |            |         | AVG      | 26      | 8        | 271/286.8 (MCS11) | 11.78                 | 23.65                       | -11.87                      | 1.60            | 13.38              | 29.65                    | -16.27               |
|                        |            |         | AVG      | 26      | 17       | 271/286.8 (MCS11) | 11.90                 | 23.65                       | -11.75                      | 1.60            | 13.50              | 29.65                    | -16.15               |
|                        | 5670       | 134     | AVG      | 26      | 0        | 271/286.8 (MCS11) | 11.70                 | 23.65                       | -11.95                      | 1.60            | 13.30              | 29.65                    | -16.35               |
|                        |            |         | AVG      | 26      | 8        | 271/286.8 (MCS11) | 11.71                 | 23.65                       | -11.94                      | 1.60            | 13.31              | 29.65                    | -16.34               |
|                        |            |         | AVG      | 26      | 17       | 271/286.8 (MCS11) | 11.62                 | 23.65                       | -12.03                      | 1.60            | 13.22              | 29.65                    | -16.43               |
|                        | 5710       | 142     | AVG      | 26      | 0        | 271/286.8 (MCS11) | 11.81                 | 23.65                       | -11.84                      | 1.60            | 13.41              | 29.65                    | -16.24               |
|                        |            |         | AVG      | 26      | 8        | 271/286.8 (MCS11) | 11.85                 | 23.65                       | -11.80                      | 1.60            | 13.45              | 29.65                    | -16.20               |
|                        |            |         | AVG      | 26      | 17       | 271/286.8 (MCS11) | 11.76                 | 23.65                       | -11.89                      | 1.60            | 13.36              | 29.65                    | -16.29               |
|                        | 5755       | 151     | AVG      | 26      | 0        | 271/286.8 (MCS11) | 19.40                 | 30.00                       | -10.60                      | 2.70            | 22.10              | -                        | -                    |
|                        |            |         | AVG      | 26      | 8        | 271/286.8 (MCS11) | 19.34                 | 30.00                       | -10.66                      | 2.70            | 22.04              | -                        | -                    |
|                        |            |         | AVG      | 26      | 17       | 271/286.8 (MCS11) | 19.27                 | 30.00                       | -10.73                      | 2.70            | 21.97              | -                        | -                    |
|                        | 5795       | 159     | AVG      | 26      | 0        | 271/286.8 (MCS11) | 19.18                 | 30.00                       | -10.82                      | 2.70            | 21.88              | -                        | -                    |
|                        |            |         | AVG      | 26      | 8        | 271/286.8 (MCS11) | 19.26                 | 30.00                       | -10.74                      | 2.70            | 21.96              | -                        | -                    |
|                        |            |         | AVG      | 26      | 17       | 271/286.8 (MCS11) | 19.36                 | 30.00                       | -10.64                      | 2.70            | 22.06              | -                        | -                    |

Table 7-32. ISED Antenna 4b 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (RU26)

| 5GHz (80MHz Bandwidth) | Freq [MHz] | Channel | Detector | RU Size | RU Index | Data Rate [Mbps]  | Conducted Power [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] |
|------------------------|------------|---------|----------|---------|----------|-------------------|-----------------------|-----------------------------|-----------------------------|-----------------|--------------------|--------------------------|----------------------|
|                        |            |         |          |         |          |                   |                       |                             |                             |                 |                    |                          |                      |
|                        | 5210       | 42      | AVG      | 26      | 0        | 567/600.5 (MCS11) | 2.00                  | -                           | -                           | 1.00            | 3.00               | 22.76                    | -19.76               |
|                        |            |         | AVG      | 26      | 18       | 567/600.5 (MCS11) | 3.88                  | -                           | -                           | 1.00            | 4.88               | 22.76                    | -17.88               |
|                        |            |         | AVG      | 26      | 36       | 567/600.5 (MCS11) | 3.45                  | -                           | -                           | 1.00            | 4.45               | 22.76                    | -18.31               |
|                        | 5290       | 58      | AVG      | 26      | 0        | 567/600.5 (MCS11) | 11.60                 | 23.73                       | -12.13                      | 0.00            | 11.60              | 29.73                    | -18.13               |
|                        |            |         | AVG      | 26      | 18       | 567/600.5 (MCS11) | 11.51                 | 23.73                       | -12.22                      | 0.00            | 11.51              | 29.73                    | -18.22               |
|                        |            |         | AVG      | 26      | 36       | 567/600.5 (MCS11) | 11.54                 | 23.73                       | -12.19                      | 0.00            | 11.54              | 29.73                    | -18.19               |
|                        | 5530       | 106     | AVG      | 26      | 0        | 567/600.5 (MCS11) | 10.60                 | 23.65                       | -13.05                      | 1.60            | 12.20              | 29.65                    | -17.45               |
|                        |            |         | AVG      | 26      | 18       | 567/600.5 (MCS11) | 10.58                 | 23.65                       | -13.07                      | 1.60            | 12.18              | 29.65                    | -17.47               |
|                        |            |         | AVG      | 26      | 36       | 567/600.5 (MCS11) | 10.64                 | 23.65                       | -13.01                      | 1.60            | 12.24              | 29.65                    | -17.41               |
|                        | 5690       | 138     | AVG      | 26      | 0        | 567/600.5 (MCS11) | 11.68                 | 23.65                       | -11.97                      | 1.60            | 13.28              | 29.65                    | -16.37               |
|                        |            |         | AVG      | 26      | 18       | 567/600.5 (MCS11) | 11.74                 | 23.65                       | -11.91                      | 1.60            | 13.34              | 29.65                    | -16.31               |
|                        |            |         | AVG      | 26      | 36       | 567/600.5 (MCS11) | 11.80                 | 23.65                       | -11.85                      | 1.60            | 13.40              | 29.65                    | -16.25               |
|                        | 5775       | 155     | AVG      | 26      | 0        | 567/600.5 (MCS11) | 15.75                 | 30.00                       | -14.25                      | 2.70            | 18.45              | -                        | -                    |
|                        |            |         | AVG      | 26      | 18       | 567/600.5 (MCS11) | 15.77                 | 30.00                       | -14.23                      | 2.70            | 18.47              | -                        | -                    |
|                        |            |         | AVG      | 26      | 36       | 567/600.5 (MCS11) | 15.83                 | 30.00                       | -14.17                      | 2.70            | 18.53              | -                        | -                    |

Table 7-33. ISED Antenna 4b 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (RU26)

|                                            |                                                                                     |                                       |                                 |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2301<br>IC: 579C-A2301         |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2101020002-16-R1.BCG | Test Dates:<br>12/12/2020 - 3/10/2021                                               | EUT Type:<br>Tablet Device            | Page 55 of 257                  |

### FCC Antenna 4b Conducted Output Power Measurements (Highest Power Among Partially-Loaded RU's)

| 5GHz (20MHz Bandwidth) | Freq [MHz] | Channel | Detector | RU Size | RU Index | Data Rate [Mbps]  | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|----------|---------|----------|-------------------|-----------------------|-----------------------------|-----------------------------|
|                        | 5180       | 36      | AVG      | 106     | 53       | 135/143.4 (MCS11) | 14.84                 | 23.98                       | -9.14                       |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 14.76                 | 23.98                       | -9.22                       |
|                        | 5200       | 40      | AVG      | 106     | 53       | 135/143.4 (MCS11) | 17.29                 | 23.98                       | -6.69                       |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 17.14                 | 23.98                       | -6.84                       |
|                        | 5240       | 48      | AVG      | 106     | 53       | 135/143.4 (MCS11) | 17.36                 | 23.98                       | -6.62                       |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 17.33                 | 23.98                       | -6.65                       |
|                        | 5260       | 52      | AVG      | 106     | 53       | 135/143.4 (MCS11) | 17.61                 | 23.73                       | -6.12                       |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 17.64                 | 23.73                       | -6.09                       |
|                        | 5300       | 60      | AVG      | 106     | 53       | 135/143.4 (MCS11) | 17.60                 | 23.73                       | -6.13                       |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 17.69                 | 23.73                       | -6.04                       |
|                        | 5320       | 64      | AVG      | 106     | 53       | 135/143.4 (MCS11) | 16.75                 | 23.73                       | -6.98                       |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 16.84                 | 23.73                       | -6.89                       |
|                        | 5500       | 100     | AVG      | 106     | 53       | 135/143.4 (MCS11) | 14.38                 | 23.65                       | -9.27                       |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 14.40                 | 23.65                       | -9.25                       |
|                        | 5520       | 104     | AVG      | 106     | 53       | 135/143.4 (MCS11) | 17.86                 | 23.65                       | -5.79                       |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 17.78                 | 23.65                       | -5.87                       |
|                        | 5580       | 116     | AVG      | 106     | 53       | 135/143.4 (MCS11) | 17.83                 | 23.65                       | -5.82                       |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 17.83                 | 23.65                       | -5.82                       |
|                        | 5660       | 132     | AVG      | 106     | 53       | 135/143.4 (MCS11) | 17.87                 | 23.65                       | -5.78                       |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 17.95                 | 23.65                       | -5.70                       |
|                        | 5680       | 136     | AVG      | 106     | 53       | 135/143.4 (MCS11) | 17.12                 | 23.65                       | -6.53                       |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 17.39                 | 23.65                       | -6.26                       |
|                        | 5700       | 140     | AVG      | 106     | 53       | 135/143.4 (MCS11) | 12.61                 | 23.65                       | -11.04                      |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 12.95                 | 23.65                       | -10.70                      |
|                        | 5720       | 144     | AVG      | 106     | 53       | 135/143.4 (MCS11) | 17.63                 | 23.65                       | -6.02                       |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 17.89                 | 23.65                       | -5.76                       |
|                        | 5745       | 149     | AVG      | 106     | 53       | 135/143.4 (MCS11) | 19.20                 | 30.00                       | -10.80                      |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 19.28                 | 30.00                       | -10.72                      |
|                        | 5785       | 157     | AVG      | 106     | 53       | 135/143.4 (MCS11) | 19.37                 | 30.00                       | -10.63                      |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 19.22                 | 30.00                       | -10.78                      |
|                        | 5825       | 165     | AVG      | 106     | 53       | 135/143.4 (MCS11) | 19.26                 | 30.00                       | -10.74                      |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 19.22                 | 30.00                       | -10.78                      |

Table 7-34. FCC Antenna 4b 20MHz BW (UNII) Maximum Conducted Output Power (Highest Power Among Partially-Loaded RU's)

|                                            |                                                                                     |                                       |                                 |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2301<br>IC: 579C-A2301         |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2101020002-16-R1.BCG | Test Dates:<br>12/12/2020 - 3/10/2021                                               | EUT Type:<br>Tablet Device            | Page 56 of 257                  |

| 5GHz (40MHz Bandwidth) | Freq [MHz] | Channel | Detector | RU Size | RU Index | Data Rate [Mbps]  | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|----------|---------|----------|-------------------|-----------------------|-----------------------------|-----------------------------|
|                        | 5190       | 38      | AVG      | 242     | 61       | 271/286.8 (MCS11) | 11.53                 | 23.98                       | -12.45                      |
|                        |            |         | AVG      | 242     | 62       | 271/286.8 (MCS11) | 11.77                 | 23.98                       | -12.21                      |
|                        | 5230       | 46      | AVG      | 242     | 61       | 271/286.8 (MCS11) | 17.60                 | 23.98                       | -6.38                       |
|                        |            |         | AVG      | 242     | 62       | 271/286.8 (MCS11) | 17.97                 | 23.98                       | -6.01                       |
|                        | 5270       | 54      | AVG      | 242     | 61       | 271/286.8 (MCS11) | 18.19                 | 23.73                       | -5.54                       |
|                        |            |         | AVG      | 242     | 62       | 271/286.8 (MCS11) | 18.27                 | 23.73                       | -5.46                       |
|                        | 5310       | 62      | AVG      | 242     | 61       | 271/286.8 (MCS11) | 13.05                 | 23.73                       | -10.68                      |
|                        |            |         | AVG      | 242     | 62       | 271/286.8 (MCS11) | 13.44                 | 23.73                       | -10.29                      |
|                        | 5510       | 102     | AVG      | 242     | 61       | 271/286.8 (MCS11) | 10.77                 | 23.65                       | -12.88                      |
|                        |            |         | AVG      | 242     | 62       | 271/286.8 (MCS11) | 10.80                 | 23.65                       | -12.85                      |
|                        | 5550       | 110     | AVG      | 242     | 61       | 271/286.8 (MCS11) | 17.29                 | 23.65                       | -6.36                       |
|                        |            |         | AVG      | 242     | 62       | 271/286.8 (MCS11) | 17.50                 | 23.65                       | -6.15                       |
|                        | 5590       | 118     | AVG      | 242     | 61       | 271/286.8 (MCS11) | 18.37                 | 23.65                       | -5.28                       |
|                        |            |         | AVG      | 242     | 62       | 271/286.8 (MCS11) | 18.48                 | 23.65                       | -5.17                       |
|                        | 5630       | 126     | AVG      | 242     | 61       | 271/286.8 (MCS11) | 18.42                 | 23.65                       | -5.23                       |
|                        |            |         | AVG      | 242     | 62       | 271/286.8 (MCS11) | 18.39                 | 23.65                       | -5.26                       |
|                        | 5670       | 134     | AVG      | 242     | 61       | 271/286.8 (MCS11) | 14.79                 | 23.65                       | -8.86                       |
|                        |            |         | AVG      | 242     | 62       | 271/286.8 (MCS11) | 14.98                 | 23.65                       | -8.67                       |
|                        | 5710       | 142     | AVG      | 106     | 53       | 271/286.8 (MCS11) | 17.30                 | 23.65                       | -6.35                       |
|                        |            |         | AVG      | 106     | 54       | 271/286.8 (MCS11) | 17.77                 | 23.65                       | -5.88                       |
|                        |            |         | AVG      | 106     | 56       | 271/286.8 (MCS11) | 17.53                 | 23.65                       | -6.12                       |
|                        | 5755       | 151     | AVG      | 242     | 61       | 271/286.8 (MCS11) | 19.35                 | 30.00                       | -10.65                      |
|                        |            |         | AVG      | 242     | 62       | 271/286.8 (MCS11) | 19.41                 | 30.00                       | -10.59                      |
|                        | 5795       | 159     | AVG      | 242     | 61       | 271/286.8 (MCS11) | 19.32                 | 30.00                       | -10.68                      |
|                        |            |         | AVG      | 242     | 62       | 271/286.8 (MCS11) | 19.44                 | 30.00                       | -10.56                      |

Table 7-35. FCC Antenna 4b 40MHz BW (UNII) Maximum Conducted Output Power (Highest Power Among Partially-Loaded RU's)

| 5GHz (80MHz Bandwidth) | Freq [MHz] | Channel | Detector | RU Size | RU Index | Data Rate [Mbps]  | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|----------|---------|----------|-------------------|-----------------------|-----------------------------|-----------------------------|
|                        | 5210       | 42      | AVG      | 484     | 65       | 567/600.5 (MCS11) | 10.71                 | 23.98                       | -13.27                      |
|                        |            |         | AVG      | 484     | 66       | 567/600.5 (MCS11) | 11.34                 | 23.98                       | -12.64                      |
|                        | 5290       | 58      | AVG      | 484     | 65       | 567/600.5 (MCS11) | 12.76                 | 23.73                       | -10.97                      |
|                        |            |         | AVG      | 484     | 66       | 567/600.5 (MCS11) | 12.99                 | 23.73                       | -10.74                      |
|                        | 5530       | 106     | AVG      | 242     | 61       | 567/600.5 (MCS11) | 12.18                 | 23.65                       | -11.47                      |
|                        |            |         | AVG      | 242     | 62       | 567/600.5 (MCS11) | 12.47                 | 23.65                       | -11.18                      |
|                        |            |         | AVG      | 242     | 64       | 567/600.5 (MCS11) | 12.12                 | 23.65                       | -11.53                      |
|                        | 5610       | 122     | AVG      | 484     | 65       | 567/600.5 (MCS11) | 16.48                 | 23.65                       | -7.17                       |
|                        |            |         | AVG      | 484     | 66       | 567/600.5 (MCS11) | 16.75                 | 23.65                       | -6.90                       |
|                        | 5690       | 138     | AVG      | 106     | 53       | 567/600.5 (MCS11) | 17.16                 | 23.65                       | -6.49                       |
|                        |            |         | AVG      | 106     | 56       | 567/600.5 (MCS11) | 17.81                 | 23.65                       | -5.84                       |
|                        |            |         | AVG      | 106     | 60       | 567/600.5 (MCS11) | 17.71                 | 23.65                       | -5.94                       |
|                        | 5775       | 155     | AVG      | 484     | 65       | 567/600.5 (MCS11) | 15.67                 | 30.00                       | -14.33                      |
|                        |            |         | AVG      | 484     | 66       | 567/600.5 (MCS11) | 15.99                 | 30.00                       | -14.01                      |

Table 7-36. FCC Antenna 4b 80MHz BW (UNII) Maximum Conducted Output Power (Highest Power Among Partially-Loaded RU's)

|                                            |                                                                                                                                  |                            |                                 |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2301<br>IC: 579C-A2301         |  <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2101020002-16-R1.BCG | Test Dates:<br>12/12/2020 - 3/10/2021                                                                                            | EUT Type:<br>Tablet Device | Page 57 of 257                  |

## ISED Antenna 4b Conducted Output Power Measurements (Highest Power Among Partially-Loaded RU's)

| 5GHz (20MHz Bandwidth) | Freq [MHz] | Channel | Detector | RU Size | RU Index | Data Rate [Mbps]  | Conducted Power [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] |
|------------------------|------------|---------|----------|---------|----------|-------------------|-----------------------|-----------------------------|-----------------------------|-----------------|--------------------|--------------------------|----------------------|
|                        | 5180       | 36      | AVG      | 106     | 53       | 135/143.4 (MCS11) | 9.93                  | -                           | -                           | 1.00            | 10.93              | 22.76                    | -11.83               |
|                        |            |         | AVG      | 106     | 54       | 135/143.4 (MCS11) | 9.79                  | -                           | -                           | 1.00            | 10.79              | 22.76                    | -11.97               |
|                        |            |         | AVG      | 106     | 53       | 135/143.4 (MCS11) | 9.92                  | -                           | -                           | 1.00            | 10.92              | 22.76                    | -11.84               |
|                        | 5200       | 40      | AVG      | 106     | 54       | 135/143.4 (MCS11) | 9.61                  | -                           | -                           | 1.00            | 10.61              | 22.76                    | -12.15               |
|                        |            |         | AVG      | 106     | 53       | 135/143.4 (MCS11) | 10.00                 | -                           | -                           | 1.00            | 11.00              | 22.76                    | -11.76               |
|                        | 5240       | 48      | AVG      | 106     | 54       | 135/143.4 (MCS11) | 9.84                  | -                           | -                           | 1.00            | 10.84              | 22.76                    | -11.92               |
|                        |            |         | AVG      | 106     | 53       | 135/143.4 (MCS11) | 17.61                 | 23.73                       | -6.12                       | 0.00            | 17.61              | 29.73                    | -12.12               |
|                        | 5260       | 52      | AVG      | 106     | 54       | 135/143.4 (MCS11) | 17.64                 | 23.73                       | -6.09                       | 0.00            | 17.64              | 29.73                    | -12.09               |
|                        |            |         | AVG      | 106     | 53       | 135/143.4 (MCS11) | 17.60                 | 23.73                       | -6.13                       | 0.00            | 17.60              | 29.73                    | -12.13               |
|                        | 5300       | 60      | AVG      | 106     | 54       | 135/143.4 (MCS11) | 17.69                 | 23.73                       | -6.04                       | 0.00            | 17.69              | 29.73                    | -12.04               |
|                        |            |         | AVG      | 106     | 53       | 135/143.4 (MCS11) | 16.75                 | 23.73                       | -6.98                       | 0.00            | 16.75              | 29.73                    | -12.98               |
|                        | 5320       | 64      | AVG      | 106     | 54       | 135/143.4 (MCS11) | 16.84                 | 23.73                       | -6.89                       | 0.00            | 16.84              | 29.73                    | -12.89               |
|                        |            |         | AVG      | 106     | 53       | 135/143.4 (MCS11) | 14.38                 | 23.65                       | -9.27                       | 1.60            | 15.98              | 29.65                    | -13.67               |
|                        | 5500       | 100     | AVG      | 106     | 54       | 135/143.4 (MCS11) | 14.40                 | 23.65                       | -9.25                       | 1.60            | 16.00              | 29.65                    | -13.65               |
|                        |            |         | AVG      | 106     | 53       | 135/143.4 (MCS11) | 17.86                 | 23.65                       | -5.79                       | 1.60            | 19.46              | 29.65                    | -10.19               |
|                        | 5520       | 104     | AVG      | 106     | 54       | 135/143.4 (MCS11) | 17.78                 | 23.65                       | -5.87                       | 1.60            | 19.38              | 29.65                    | -10.27               |
|                        |            |         | AVG      | 106     | 53       | 135/143.4 (MCS11) | 17.83                 | 23.65                       | -5.82                       | 1.60            | 19.43              | 29.65                    | -10.22               |
|                        | 5580       | 116     | AVG      | 106     | 54       | 135/143.4 (MCS11) | 17.83                 | 23.65                       | -5.82                       | 1.60            | 19.43              | 29.65                    | -10.22               |
|                        |            |         | AVG      | 106     | 53       | 135/143.4 (MCS11) | 17.87                 | 23.65                       | -5.78                       | 1.60            | 19.47              | 29.65                    | -10.18               |
|                        | 5660       | 132     | AVG      | 106     | 54       | 135/143.4 (MCS11) | 17.95                 | 23.65                       | -5.70                       | 1.60            | 19.55              | 29.65                    | -10.10               |
|                        |            |         | AVG      | 106     | 53       | 135/143.4 (MCS11) | 17.12                 | 23.65                       | -6.53                       | 1.60            | 18.72              | 29.65                    | -10.93               |
|                        | 5680       | 136     | AVG      | 106     | 54       | 135/143.4 (MCS11) | 17.39                 | 23.65                       | -6.26                       | 1.60            | 18.99              | 29.65                    | -10.66               |
|                        |            |         | AVG      | 106     | 53       | 135/143.4 (MCS11) | 12.61                 | 23.65                       | -11.04                      | 1.60            | 14.21              | 29.65                    | -15.44               |
|                        | 5700       | 140     | AVG      | 106     | 54       | 135/143.4 (MCS11) | 12.95                 | 23.65                       | -10.70                      | 1.60            | 14.55              | 29.65                    | -15.10               |
|                        |            |         | AVG      | 106     | 53       | 135/143.4 (MCS11) | 17.63                 | 23.65                       | -6.02                       | 1.60            | 19.23              | 29.65                    | -10.42               |
|                        | 5720       | 144     | AVG      | 106     | 54       | 135/143.4 (MCS11) | 17.89                 | 23.65                       | -5.76                       | 1.60            | 19.49              | 29.65                    | -10.16               |
|                        |            |         | AVG      | 106     | 53       | 135/143.4 (MCS11) | 19.20                 | 30.00                       | -10.80                      | 2.70            | 21.90              | -                        | -                    |
|                        | 5745       | 149     | AVG      | 106     | 54       | 135/143.4 (MCS11) | 19.28                 | 30.00                       | -10.72                      | 2.70            | 21.98              | -                        | -                    |
|                        |            |         | AVG      | 106     | 53       | 135/143.4 (MCS11) | 19.37                 | 30.00                       | -10.63                      | 2.70            | 22.07              | -                        | -                    |
|                        | 5785       | 157     | AVG      | 106     | 54       | 135/143.4 (MCS11) | 19.22                 | 30.00                       | -10.78                      | 2.70            | 21.92              | -                        | -                    |
|                        |            |         | AVG      | 106     | 53       | 135/143.4 (MCS11) | 19.26                 | 30.00                       | -10.74                      | 2.70            | 21.96              | -                        | -                    |
|                        | 5825       | 165     | AVG      | 106     | 54       | 135/143.4 (MCS11) | 19.22                 | 30.00                       | -10.78                      | 2.70            | 21.92              | -                        | -                    |
|                        |            |         | AVG      | 106     | 53       | 135/143.4 (MCS11) | 19.22                 | 30.00                       | -10.78                      | 2.70            | 21.92              | -                        | -                    |

Table 7-37. ISED Antenna 4b 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

| 5GHz (40MHz Bandwidth) | Freq [MHz] | Channel | Detector | RU Size | RU Index | Data Rate [Mbps]  | Conducted Power [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] |
|------------------------|------------|---------|----------|---------|----------|-------------------|-----------------------|-----------------------------|-----------------------------|-----------------|--------------------|--------------------------|----------------------|
|                        | 5190       | 38      | AVG      | 242     | 61       | 271/286.8 (MCS11) | 11.06                 | -                           | -                           | 1.00            | 12.06              | 22.76                    | -10.70               |
|                        |            |         | AVG      | 242     | 62       | 271/286.8 (MCS11) | 11.42                 | -                           | -                           | 1.00            | 12.42              | 22.76                    | -10.34               |
|                        | 5230       | 46      | AVG      | 242     | 61       | 271/286.8 (MCS11) | 12.22                 | -                           | -                           | 1.00            | 13.22              | 22.76                    | -9.54                |
|                        |            |         | AVG      | 242     | 62       | 271/286.8 (MCS11) | 12.40                 | -                           | -                           | 1.00            | 13.40              | 22.76                    | -9.36                |
|                        | 5270       | 54      | AVG      | 242     | 61       | 271/286.8 (MCS11) | 18.19                 | 23.73                       | -5.54                       | 0.00            | 18.19              | 29.73                    | -11.54               |
|                        |            |         | AVG      | 242     | 62       | 271/286.8 (MCS11) | 18.27                 | 23.73                       | -5.46                       | 0.00            | 18.27              | 29.73                    | -11.46               |
|                        | 5310       | 62      | AVG      | 242     | 61       | 271/286.8 (MCS11) | 13.05                 | 23.73                       | -10.68                      | 0.00            | 13.05              | 29.73                    | -16.68               |
|                        |            |         | AVG      | 242     | 62       | 271/286.8 (MCS11) | 13.44                 | 23.73                       | -10.29                      | 0.00            | 13.44              | 29.73                    | -16.29               |
|                        | 5510       | 102     | AVG      | 242     | 61       | 271/286.8 (MCS11) | 10.77                 | 23.65                       | -12.88                      | 1.60            | 12.37              | 29.65                    | -17.28               |
|                        |            |         | AVG      | 242     | 62       | 271/286.8 (MCS11) | 10.80                 | 23.65                       | -12.85                      | 1.60            | 12.40              | 29.65                    | -17.25               |
|                        | 5550       | 110     | AVG      | 242     | 61       | 271/286.8 (MCS11) | 17.29                 | 23.65                       | -6.36                       | 1.60            | 18.89              | 29.65                    | -10.76               |
|                        |            |         | AVG      | 242     | 62       | 271/286.8 (MCS11) | 17.50                 | 23.65                       | -6.15                       | 1.60            | 19.10              | 29.65                    | -10.55               |
|                        | 5670       | 134     | AVG      | 242     | 61       | 271/286.8 (MCS11) | 14.79                 | 23.65                       | -8.86                       | 1.60            | 16.39              | 29.65                    | -13.26               |
|                        |            |         | AVG      | 242     | 62       | 271/286.8 (MCS11) | 14.98                 | 23.65                       | -8.67                       | 1.60            | 16.58              | 29.65                    | -13.07               |
|                        | 5710       | 142     | AVG      | 106     | 53       | 271/286.8 (MCS11) | 17.30                 | 23.65                       | -6.35                       | 1.60            | 18.90              | 29.65                    | -10.75               |
|                        |            |         | AVG      | 106     | 54       | 271/286.8 (MCS11) | 17.77                 | 23.65                       | -5.88                       | 1.60            | 19.37              | 29.65                    | -10.28               |
|                        | 5755       | 151     | AVG      | 106     | 56       | 271/286.8 (MCS11) | 17.53                 | 23.65                       | -6.12                       | 1.60            | 19.13              | 29.65                    | -10.52               |
|                        |            |         | AVG      | 242     | 61       | 271/286.8 (MCS11) | 19.35                 | 30.00                       | -10.65                      | 2.70            | 22.05              | -                        | -                    |
|                        | 5795       | 159     | AVG      | 242     | 62       | 271/286.8 (MCS11) | 19.41                 | 30.00                       | -10.59                      | 2.70            | 22.11              | -                        | -                    |
|                        |            |         | AVG      | 242     | 61       | 271/286.8 (MCS11) | 19.32                 | 30.00                       | -10.68                      | 2.70            | 22.02              | -                        | -                    |
|                        |            |         | AVG      | 242     | 62       | 271/286.8 (MCS11) | 19.44                 | 30.00                       | -10.56                      | 2.70            | 22.14              | -                        | -                    |

Table 7-38. ISED Antenna 4b 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

|                                            |                                                                                     |                                       |                                 |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2301<br>IC: 579C-A2301         |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2101020002-16-R1.BCG | Test Dates:<br>12/12/2020 - 3/10/2021                                               | EUT Type:<br>Tablet Device            | Page 58 of 257                  |

| 5GHz (80MHz Bandwidth) | Freq [MHz] | Channel | Detector | RU Size | RU Index | Data Rate [Mbps]  | Conducted Power [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] |
|------------------------|------------|---------|----------|---------|----------|-------------------|-----------------------|-----------------------------|-----------------------------|-----------------|--------------------|--------------------------|----------------------|
|                        | 5210       | 42      | AVG      | 484     | 65       | 567/600.5 (MCS11) | 10.71                 | -                           | -                           | 1.00            | 11.71              | 22.76                    | -11.05               |
|                        |            |         | AVG      | 484     | 66       | 567/600.5 (MCS11) | 11.34                 | -                           | -                           | 1.00            | 12.34              | 22.76                    | -10.42               |
|                        | 5290       | 58      | AVG      | 484     | 65       | 567/600.5 (MCS11) | 12.76                 | 23.73                       | -10.97                      | 0.00            | 12.76              | 29.73                    | -16.97               |
|                        |            |         | AVG      | 484     | 66       | 567/600.5 (MCS11) | 12.99                 | 23.73                       | -10.74                      | 0.00            | 12.99              | 29.73                    | -16.74               |
|                        | 5530       | 106     | AVG      | 242     | 61       | 567/600.5 (MCS11) | 12.18                 | 23.65                       | -11.47                      | 1.60            | 13.78              | 29.65                    | -15.87               |
|                        |            |         | AVG      | 242     | 62       | 567/600.5 (MCS11) | 12.47                 | 23.65                       | -11.18                      | 1.60            | 14.07              | 29.65                    | -15.58               |
|                        |            |         | AVG      | 242     | 64       | 567/600.5 (MCS11) | 12.12                 | 23.65                       | -11.53                      | 1.60            | 13.72              | 29.65                    | -15.93               |
|                        | 5690       | 138     | AVG      | 106     | 53       | 567/600.5 (MCS11) | 17.16                 | 23.65                       | -6.49                       | 1.60            | 18.76              | 29.65                    | -10.89               |
|                        |            |         | AVG      | 106     | 56       | 567/600.5 (MCS11) | 17.81                 | 23.65                       | -5.84                       | 1.60            | 19.41              | 29.65                    | -10.24               |
|                        |            |         | AVG      | 106     | 60       | 567/600.5 (MCS11) | 17.71                 | 23.65                       | -5.94                       | 1.60            | 19.31              | 29.65                    | -10.34               |
|                        | 5775       | 155     | AVG      | 484     | 65       | 567/600.5 (MCS11) | 15.67                 | 30.00                       | -14.33                      | 2.70            | 18.37              | -                        | -                    |
|                        |            |         | AVG      | 484     | 66       | 567/600.5 (MCS11) | 15.99                 | 30.00                       | -14.01                      | 2.70            | 18.69              | -                        | -                    |

Table 7-39. ISED Antenna 4b 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

|                                            |                                                                                                                                  |                            |                                 |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2301<br>IC: 579C-A2301         |  <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2101020002-16-R1.BCG | Test Dates:<br>12/12/2020 - 3/10/2021                                                                                            | EUT Type:<br>Tablet Device | Page 59 of 257                  |



## FCC Antenna 4b Conducted Output Power Measurements (Fully-loaded RU)

| 5GHz (20MHz Bandwidth) | Freq [MHz] | Channel | Detector | RU Size | RU Index | Data Rate [Mbps]  | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|----------|---------|----------|-------------------|-----------------------|-----------------------------|-----------------------------|
|                        | 5180       | 36      | AVG      | 242     | 61       | 135/143.4 (MCS11) | 14.96                 | 23.98                       | -9.02                       |
|                        | 5200       | 40      | AVG      | 242     | 61       | 135/143.4 (MCS11) | 18.84                 | 23.98                       | -5.14                       |
|                        | 5240       | 48      | AVG      | 242     | 61       | 135/143.4 (MCS11) | 19.23                 | 23.98                       | -4.75                       |
|                        | 5260       | 52      | AVG      | 242     | 61       | 135/143.4 (MCS11) | 19.22                 | 23.73                       | -4.51                       |
|                        | 5300       | 60      | AVG      | 242     | 61       | 135/143.4 (MCS11) | 18.70                 | 23.73                       | -5.03                       |
|                        | 5320       | 64      | AVG      | 242     | 61       | 135/143.4 (MCS11) | 16.83                 | 23.73                       | -6.90                       |
|                        | 5500       | 100     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 14.43                 | 23.65                       | -9.22                       |
|                        | 5520       | 104     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 17.95                 | 23.65                       | -5.70                       |
|                        | 5540       | 108     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 18.81                 | 23.65                       | -4.84                       |
|                        | 5560       | 112     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 19.39                 | 23.65                       | -4.26                       |
|                        | 5580       | 116     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 19.32                 | 23.65                       | -4.33                       |
|                        | 5640       | 128     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 19.50                 | 23.65                       | -4.15                       |
|                        | 5660       | 132     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 18.95                 | 23.65                       | -4.70                       |
|                        | 5680       | 136     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 17.41                 | 23.65                       | -6.24                       |
|                        | 5700       | 140     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 12.82                 | 23.65                       | -10.83                      |
|                        | 5720       | 144     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 19.32                 | 23.65                       | -4.33                       |
|                        | 5745       | 149     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 19.29                 | 30.00                       | -10.71                      |
|                        | 5785       | 157     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 19.36                 | 30.00                       | -10.64                      |
|                        | 5825       | 165     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 19.45                 | 30.00                       | -10.55                      |

Table 7-40. FCC Antenna 4b 20MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

| 5GHz (40MHz Bandwidth) | Freq [MHz] | Channel | Detector | RU Size | RU Index | Data Rate [Mbps]  | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|----------|---------|----------|-------------------|-----------------------|-----------------------------|-----------------------------|
|                        | 5190       | 38      | AVG      | 484     | 65       | 271/286.8 (MCS11) | 11.85                 | 23.98                       | -12.13                      |
|                        | 5230       | 46      | AVG      | 484     | 65       | 271/286.8 (MCS11) | 17.92                 | 23.98                       | -6.06                       |
|                        | 5270       | 54      | AVG      | 484     | 65       | 271/286.8 (MCS11) | 18.45                 | 23.73                       | -5.28                       |
|                        | 5310       | 62      | AVG      | 484     | 65       | 271/286.8 (MCS11) | 13.32                 | 23.73                       | -10.41                      |
|                        | 5510       | 102     | AVG      | 484     | 65       | 271/286.8 (MCS11) | 10.76                 | 23.65                       | -12.89                      |
|                        | 5550       | 110     | AVG      | 484     | 65       | 271/286.8 (MCS11) | 17.34                 | 23.65                       | -6.31                       |
|                        | 5590       | 118     | AVG      | 484     | 65       | 271/286.8 (MCS11) | 18.40                 | 23.65                       | -5.25                       |
|                        | 5630       | 126     | AVG      | 484     | 65       | 271/286.8 (MCS11) | 18.39                 | 23.65                       | -5.26                       |
|                        | 5670       | 134     | AVG      | 484     | 65       | 271/286.8 (MCS11) | 14.86                 | 23.65                       | -8.79                       |
|                        | 5710       | 142     | AVG      | 484     | 65       | 271/286.8 (MCS11) | 19.20                 | 23.65                       | -4.45                       |
|                        | 5755       | 151     | AVG      | 484     | 65       | 271/286.8 (MCS11) | 19.20                 | 30.00                       | -10.80                      |
|                        | 5795       | 159     | AVG      | 484     | 65       | 271/286.8 (MCS11) | 19.48                 | 30.00                       | -10.52                      |

Table 7-41. FCC Antenna 4b 40MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

|                                            |                                                                                     |                                       |                                 |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2301<br>IC: 579C-A2301         |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2101020002-16-R1.BCG | Test Dates:<br>12/12/2020 - 3/10/2021                                               | EUT Type:<br>Tablet Device            | Page 60 of 257                  |

| 5GHz (80MHz Bandwidth) | Freq [MHz] | Channel | Detector | RU Size | RU Index | Data Rate [Mbps]  | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|----------|---------|----------|-------------------|-----------------------|-----------------------------|-----------------------------|
|                        | 5210       | 42      | AVG      | 996     | 67       | 567/600.5 (MCS11) | 11.34                 | 23.98                       | -12.64                      |
|                        | 5290       | 58      | AVG      | 996     | 67       | 567/600.5 (MCS11) | 12.28                 | 23.73                       | -11.45                      |
|                        | 5530       | 106     | AVG      | 996     | 67       | 567/600.5 (MCS11) | 11.29                 | 23.65                       | -12.36                      |
|                        | 5610       | 122     | AVG      | 996     | 67       | 567/600.5 (MCS11) | 16.70                 | 23.65                       | -6.95                       |
|                        | 5690       | 138     | AVG      | 996     | 67       | 567/600.5 (MCS11) | 19.26                 | 23.65                       | -4.39                       |
|                        | 5775       | 155     | AVG      | 996     | 67       | 567/600.5 (MCS11) | 15.98                 | 30.00                       | -14.02                      |

**Table 7-42. FCC Antenna 4b 80MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)**

|                                            |                                                                                                                                  |                            |                                 |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2301<br>IC: 579C-A2301         |  <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2101020002-16-R1.BCG | Test Dates:<br>12/12/2020 - 3/10/2021                                                                                            | EUT Type:<br>Tablet Device | Page 61 of 257                  |

## ISED Antenna 4b Conducted Output Power Measurements (Fully-loaded RU)

| 5GHz (20MHz Bandwidth) | Freq [MHz] | Channel | Detector | RU Size | RU Index | Data Rate [Mbps]  | Conducted Power [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] |
|------------------------|------------|---------|----------|---------|----------|-------------------|-----------------------|-----------------------------|-----------------------------|-----------------|--------------------|--------------------------|----------------------|
|                        | 5180       | 36      | AVG      | 242     | 61       | 135/143.4 (MCS11) | 12.44                 | -                           | -                           | 1.00            | 13.44              | 22.76                    | -9.32                |
|                        | 5200       | 40      | AVG      | 242     | 61       | 135/143.4 (MCS11) | 12.46                 | -                           | -                           | 1.00            | 13.46              | 22.76                    | -9.30                |
|                        | 5240       | 48      | AVG      | 242     | 61       | 135/143.4 (MCS11) | 12.50                 | -                           | -                           | 1.00            | 13.50              | 22.76                    | -9.26                |
|                        | 5260       | 52      | AVG      | 242     | 61       | 135/143.4 (MCS11) | 19.22                 | 23.73                       | -4.51                       | 0.00            | 19.22              | 29.73                    | -10.51               |
|                        | 5300       | 60      | AVG      | 242     | 61       | 135/143.4 (MCS11) | 18.70                 | 23.73                       | -5.03                       | 0.00            | 18.70              | 29.73                    | -11.03               |
|                        | 5320       | 64      | AVG      | 242     | 61       | 135/143.4 (MCS11) | 16.83                 | 23.73                       | -6.90                       | 0.00            | 16.83              | 29.73                    | -12.90               |
|                        | 5500       | 100     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 14.43                 | 23.65                       | -9.22                       | 1.60            | 16.03              | 29.65                    | -13.62               |
|                        | 5520       | 104     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 17.95                 | 23.65                       | -5.70                       | 1.60            | 19.55              | 29.65                    | -10.10               |
|                        | 5540       | 108     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 18.81                 | 23.65                       | -4.84                       | 1.60            | 20.41              | 29.65                    | -9.24                |
|                        | 5560       | 112     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 19.39                 | 23.65                       | -4.26                       | 1.60            | 20.99              | 29.65                    | -8.66                |
|                        | 5580       | 116     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 19.32                 | 23.65                       | -4.33                       | 1.60            | 20.92              | 29.65                    | -8.73                |
|                        | 5660       | 132     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 18.95                 | 23.65                       | -4.70                       | 1.60            | 20.55              | 29.65                    | -9.10                |
|                        | 5680       | 136     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 17.41                 | 23.65                       | -6.24                       | 1.60            | 19.01              | 29.65                    | -10.64               |
|                        | 5700       | 140     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 12.82                 | 23.65                       | -10.83                      | 1.60            | 14.42              | 29.65                    | -15.23               |
|                        | 5720       | 144     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 19.32                 | 23.65                       | -4.33                       | 1.60            | 20.92              | 29.65                    | -8.73                |
|                        | 5745       | 149     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 19.29                 | 30.00                       | -10.71                      | 2.70            | 21.99              | -                        | -                    |
|                        | 5785       | 157     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 19.36                 | 30.00                       | -10.64                      | 2.70            | 22.06              | -                        | -                    |
|                        | 5825       | 165     | AVG      | 242     | 61       | 135/143.4 (MCS11) | 19.45                 | 30.00                       | -10.55                      | 2.70            | 22.15              | -                        | -                    |

Table 7-43. ISED Antenna 4b 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

| 5GHz (40MHz Bandwidth) | Freq [MHz] | Channel | Detector | RU Size | RU Index | Data Rate [Mbps]  | Conducted Power [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] |
|------------------------|------------|---------|----------|---------|----------|-------------------|-----------------------|-----------------------------|-----------------------------|-----------------|--------------------|--------------------------|----------------------|
|                        | 5190       | 38      | AVG      | 484     | 65       | 271/286.8 (MCS11) | 11.85                 | -                           | -                           | 1.00            | 12.85              | 22.76                    | -9.91                |
|                        | 5230       | 46      | AVG      | 484     | 65       | 271/286.8 (MCS11) | 14.91                 | -                           | -                           | 1.00            | 15.91              | 22.76                    | -6.85                |
|                        | 5270       | 54      | AVG      | 484     | 65       | 271/286.8 (MCS11) | 18.45                 | 23.73                       | -5.28                       | 0.00            | 18.45              | 29.73                    | -11.28               |
|                        | 5310       | 62      | AVG      | 484     | 65       | 271/286.8 (MCS11) | 13.32                 | 23.73                       | -10.41                      | 0.00            | 13.32              | 29.73                    | -16.41               |
|                        | 5510       | 102     | AVG      | 484     | 65       | 271/286.8 (MCS11) | 10.76                 | 23.65                       | -12.89                      | 1.60            | 12.36              | 29.65                    | -17.29               |
|                        | 5550       | 110     | AVG      | 484     | 65       | 271/286.8 (MCS11) | 17.34                 | 23.65                       | -6.31                       | 1.60            | 18.94              | 29.65                    | -10.71               |
|                        | 5670       | 134     | AVG      | 484     | 65       | 271/286.8 (MCS11) | 14.86                 | 23.65                       | -8.79                       | 1.60            | 16.46              | 29.65                    | -13.19               |
|                        | 5710       | 142     | AVG      | 484     | 65       | 271/286.8 (MCS11) | 19.20                 | 23.65                       | -4.45                       | 1.60            | 20.80              | 29.65                    | -8.85                |
|                        | 5755       | 151     | AVG      | 484     | 65       | 271/286.8 (MCS11) | 19.20                 | 30.00                       | -10.80                      | 2.70            | 21.90              | -                        | -                    |
|                        | 5795       | 159     | AVG      | 484     | 65       | 271/286.8 (MCS11) | 19.48                 | 30.00                       | -10.52                      | 2.70            | 22.18              | -                        | -                    |

Table 7-44. ISED Antenna 4b 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

| 5GHz (80MHz Bandwidth) | Freq [MHz] | Channel | Detector | RU Size | RU Index | Data Rate [Mbps]  | Conducted Power [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] |
|------------------------|------------|---------|----------|---------|----------|-------------------|-----------------------|-----------------------------|-----------------------------|-----------------|--------------------|--------------------------|----------------------|
|                        | 5210       | 42      | AVG      | 996     | 67       | 567/600.5 (MCS11) | 11.34                 | -                           | -                           | 1.00            | 12.34              | 22.76                    | -10.42               |
|                        | 5290       | 58      | AVG      | 996     | 67       | 567/600.5 (MCS11) | 12.28                 | 23.73                       | -11.45                      | 0.00            | 12.28              | 29.73                    | -17.45               |
|                        | 5530       | 106     | AVG      | 996     | 67       | 567/600.5 (MCS11) | 11.29                 | 23.65                       | -12.36                      | 1.60            | 12.89              | 29.65                    | -16.76               |
|                        | 5690       | 138     | AVG      | 996     | 67       | 567/600.5 (MCS11) | 19.26                 | 23.65                       | -4.39                       | 1.60            | 20.86              | 29.65                    | -8.79                |
|                        | 5775       | 155     | AVG      | 996     | 67       | 567/600.5 (MCS11) | 15.98                 | 30.00                       | -14.02                      | 2.70            | 18.68              | -                        | -                    |

Table 7-45. ISED Antenna 4b 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

|                                            |                                                                                                                                                                                                              |                                       |                                 |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2301<br>IC: 579C-A2301         |  <b>PCTEST</b><br>Proud to be part of  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2101020002-16-R1.BCG | Test Dates:<br>12/12/2020 - 3/10/2021                                                                                                                                                                        | EUT Type:<br>Tablet Device            | Page 62 of 257                  |

## FCC CDD/SDM Conducted Output Power Measurements (RU26)

| 5GHz (20MHz Bandwidth) | Freq [MHz] | Channel | Mode | Detector | RU Size | RU Index | Data Rate [Mbps]  | Conducted Powers [dBm] |            |        | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|------|----------|---------|----------|-------------------|------------------------|------------|--------|-----------------------------|-----------------------------|
|                        |            |         |      |          |         |          |                   | Antenna 5b             | Antenna 4b | Summed |                             |                             |
| 5180                   | 36         |         | SDM  | AVG      | 26      | 0        | 270/286.8 (MCS11) | 8.91                   | 8.95       | 11.94  | 23.98                       | -12.04                      |
|                        |            |         | SDM  | AVG      | 26      | 4        | 270/286.8 (MCS11) | 8.65                   | 8.95       | 11.81  | 23.98                       | -12.17                      |
|                        |            |         | SDM  | AVG      | 26      | 8        | 270/286.8 (MCS11) | 8.56                   | 8.56       | 11.57  | 23.98                       | -12.41                      |
| 5200                   | 40         |         | SDM  | AVG      | 26      | 0        | 270/286.8 (MCS11) | 8.67                   | 8.69       | 11.69  | 23.98                       | -12.29                      |
|                        |            |         | SDM  | AVG      | 26      | 4        | 270/286.8 (MCS11) | 8.54                   | 8.95       | 11.76  | 23.98                       | -12.22                      |
|                        |            |         | SDM  | AVG      | 26      | 8        | 270/286.8 (MCS11) | 8.68                   | 8.71       | 11.71  | 23.98                       | -12.27                      |
| 5240                   | 48         |         | SDM  | AVG      | 26      | 0        | 270/286.8 (MCS11) | 8.63                   | 8.83       | 11.74  | 23.98                       | -12.24                      |
|                        |            |         | SDM  | AVG      | 26      | 4        | 270/286.8 (MCS11) | 8.88                   | 8.99       | 11.95  | 23.98                       | -12.03                      |
|                        |            |         | SDM  | AVG      | 26      | 8        | 270/286.8 (MCS11) | 8.92                   | 8.61       | 11.78  | 23.98                       | -12.20                      |
| 5260                   | 52         |         | SDM  | AVG      | 26      | 0        | 270/286.8 (MCS11) | 8.95                   | 8.69       | 11.83  | 23.73                       | -11.90                      |
|                        |            |         | SDM  | AVG      | 26      | 4        | 270/286.8 (MCS11) | 8.80                   | 8.94       | 11.88  | 23.73                       | -11.85                      |
|                        |            |         | SDM  | AVG      | 26      | 8        | 270/286.8 (MCS11) | 8.69                   | 8.68       | 11.70  | 23.73                       | -12.03                      |
| 5300                   | 60         |         | SDM  | AVG      | 26      | 0        | 270/286.8 (MCS11) | 8.60                   | 8.73       | 11.68  | 23.73                       | -12.05                      |
|                        |            |         | SDM  | AVG      | 26      | 4        | 270/286.8 (MCS11) | 8.83                   | 8.98       | 11.92  | 23.73                       | -11.81                      |
|                        |            |         | SDM  | AVG      | 26      | 8        | 270/286.8 (MCS11) | 8.72                   | 8.80       | 11.77  | 23.73                       | -11.96                      |
| 5320                   | 64         |         | SDM  | AVG      | 26      | 0        | 270/286.8 (MCS11) | 8.54                   | 8.69       | 11.63  | 23.73                       | -12.10                      |
|                        |            |         | SDM  | AVG      | 26      | 4        | 270/286.8 (MCS11) | 8.94                   | 8.93       | 11.95  | 23.73                       | -11.78                      |
|                        |            |         | SDM  | AVG      | 26      | 8        | 270/286.8 (MCS11) | 8.56                   | 8.61       | 11.60  | 23.73                       | -12.13                      |
| 5500                   | 100        |         | SDM  | AVG      | 26      | 0        | 270/286.8 (MCS11) | 8.88                   | 8.64       | 11.77  | 23.65                       | -11.88                      |
|                        |            |         | SDM  | AVG      | 26      | 4        | 270/286.8 (MCS11) | 8.80                   | 8.94       | 11.88  | 23.65                       | -11.77                      |
|                        |            |         | SDM  | AVG      | 26      | 8        | 270/286.8 (MCS11) | 8.79                   | 8.85       | 11.83  | 23.65                       | -11.82                      |
| 5580                   | 116        |         | SDM  | AVG      | 26      | 0        | 270/286.8 (MCS11) | 8.94                   | 8.87       | 11.92  | 23.65                       | -11.73                      |
|                        |            |         | SDM  | AVG      | 26      | 4        | 270/286.8 (MCS11) | 8.82                   | 8.84       | 11.84  | 23.65                       | -11.81                      |
|                        |            |         | SDM  | AVG      | 26      | 8        | 270/286.8 (MCS11) | 8.55                   | 8.78       | 11.68  | 23.65                       | -11.97                      |
| 5700                   | 140        |         | SDM  | AVG      | 26      | 0        | 270/286.8 (MCS11) | 8.62                   | 8.78       | 11.71  | 23.65                       | -11.94                      |
|                        |            |         | SDM  | AVG      | 26      | 4        | 270/286.8 (MCS11) | 8.84                   | 8.77       | 11.82  | 23.65                       | -11.83                      |
|                        |            |         | SDM  | AVG      | 26      | 8        | 270/286.8 (MCS11) | 8.75                   | 8.79       | 11.78  | 23.65                       | -11.87                      |
| 5720                   | 144        |         | SDM  | AVG      | 26      | 0        | 270/286.8 (MCS11) | 8.83                   | 8.55       | 11.70  | 23.65                       | -11.95                      |
|                        |            |         | SDM  | AVG      | 26      | 4        | 270/286.8 (MCS11) | 8.92                   | 8.76       | 11.85  | 23.65                       | -11.80                      |
|                        |            |         | SDM  | AVG      | 26      | 8        | 270/286.8 (MCS11) | 8.89                   | 8.78       | 11.85  | 23.65                       | -11.80                      |
| 5745                   | 149        |         | CDD  | AVG      | 26      | 0        | 270/286.8 (MCS11) | 19.21                  | 19.09      | 22.16  | 28.78                       | -6.62                       |
|                        |            |         | CDD  | AVG      | 26      | 4        | 270/286.8 (MCS11) | 19.46                  | 19.47      | 22.48  | 28.78                       | -6.30                       |
|                        |            |         | CDD  | AVG      | 26      | 8        | 270/286.8 (MCS11) | 19.33                  | 19.36      | 22.36  | 28.78                       | -6.42                       |
| 5785                   | 157        |         | CDD  | AVG      | 26      | 0        | 270/286.8 (MCS11) | 19.38                  | 19.14      | 22.27  | 28.78                       | -6.51                       |
|                        |            |         | CDD  | AVG      | 26      | 4        | 270/286.8 (MCS11) | 19.40                  | 19.37      | 22.40  | 28.78                       | -6.38                       |
|                        |            |         | CDD  | AVG      | 26      | 8        | 270/286.8 (MCS11) | 19.42                  | 19.28      | 22.36  | 28.78                       | -6.42                       |
| 5825                   | 165        |         | CDD  | AVG      | 26      | 0        | 270/286.8 (MCS11) | 19.10                  | 19.17      | 22.15  | 28.78                       | -6.63                       |
|                        |            |         | CDD  | AVG      | 26      | 4        | 270/286.8 (MCS11) | 19.48                  | 19.23      | 22.37  | 28.78                       | -6.41                       |
|                        |            |         | CDD  | AVG      | 26      | 8        | 270/286.8 (MCS11) | 19.33                  | 19.09      | 22.22  | 28.78                       | -6.56                       |

Table 7-46. FCC CDD/SDM 20MHz BW (UNII) Maximum Conducted Output Power (RU26)

|                                            |                                                                                                                                  |                                 |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: BCGA2301<br>IC: 579C-A2301         |  <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2101020002-16-R1.BCG | Test Dates:<br>12/12/2020 - 3/10/2021                                                                                            | EUT Type:<br>Tablet Device      |
|                                            |                                                                                                                                  | Page 63 of 257                  |

| 5GHz (40MHz Bandwidth) | Freq [MHz] | Channel | Mode | Detector | RU Size | RU Index | Data Rate [Mbps]  | Conducted Powers [dBm] |            |        | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|------|----------|---------|----------|-------------------|------------------------|------------|--------|-----------------------------|-----------------------------|
|                        |            |         |      |          |         |          |                   | Antenna 5b             | Antenna 4b | Summed |                             |                             |
| 5190                   | 38         |         | SDM  | AVG      | 26      | 0        | 542/573.6 (MCS11) | 8.93                   | 8.80       | 11.88  | 23.98                       | -12.10                      |
|                        |            |         | SDM  | AVG      | 26      | 8        | 542/573.6 (MCS11) | 8.88                   | 8.95       | 11.93  | 23.98                       | -12.05                      |
|                        |            |         | SDM  | AVG      | 26      | 17       | 542/573.6 (MCS11) | 8.79                   | 8.70       | 11.76  | 23.98                       | -12.22                      |
| 5230                   | 46         |         | SDM  | AVG      | 26      | 0        | 542/573.6 (MCS11) | 8.90                   | 8.88       | 11.90  | 23.98                       | -12.08                      |
|                        |            |         | SDM  | AVG      | 26      | 8        | 542/573.6 (MCS11) | 8.95                   | 8.75       | 11.86  | 23.98                       | -12.12                      |
|                        |            |         | SDM  | AVG      | 26      | 17       | 542/573.6 (MCS11) | 8.89                   | 8.92       | 11.92  | 23.98                       | -12.06                      |
| 5270                   | 54         |         | SDM  | AVG      | 26      | 0        | 542/573.6 (MCS11) | 8.97                   | 8.90       | 11.95  | 23.73                       | -11.78                      |
|                        |            |         | SDM  | AVG      | 26      | 8        | 542/573.6 (MCS11) | 8.74                   | 8.82       | 11.79  | 23.73                       | -11.94                      |
|                        |            |         | SDM  | AVG      | 26      | 17       | 542/573.6 (MCS11) | 8.80                   | 8.87       | 11.85  | 23.73                       | -11.88                      |
| 5310                   | 62         |         | SDM  | AVG      | 26      | 0        | 542/573.6 (MCS11) | 8.70                   | 8.81       | 11.77  | 23.73                       | -11.96                      |
|                        |            |         | SDM  | AVG      | 26      | 8        | 542/573.6 (MCS11) | 8.71                   | 8.73       | 11.73  | 23.73                       | -12.00                      |
|                        |            |         | SDM  | AVG      | 26      | 17       | 542/573.6 (MCS11) | 8.90                   | 8.82       | 11.87  | 23.73                       | -11.86                      |
| 5510                   | 102        |         | SDM  | AVG      | 26      | 0        | 542/573.6 (MCS11) | 8.74                   | 8.79       | 11.78  | 23.65                       | -11.87                      |
|                        |            |         | SDM  | AVG      | 26      | 8        | 542/573.6 (MCS11) | 8.86                   | 8.96       | 11.92  | 23.65                       | -11.73                      |
|                        |            |         | SDM  | AVG      | 26      | 17       | 542/573.6 (MCS11) | 8.79                   | 8.72       | 11.77  | 23.65                       | -11.88                      |
| 5550                   | 110        |         | SDM  | AVG      | 26      | 0        | 542/573.6 (MCS11) | 8.91                   | 8.73       | 11.83  | 23.65                       | -11.82                      |
|                        |            |         | SDM  | AVG      | 26      | 8        | 542/573.6 (MCS11) | 8.88                   | 8.71       | 11.81  | 23.65                       | -11.84                      |
|                        |            |         | SDM  | AVG      | 26      | 17       | 542/573.6 (MCS11) | 8.82                   | 8.80       | 11.82  | 23.65                       | -11.83                      |
| 5670                   | 134        |         | SDM  | AVG      | 26      | 0        | 542/573.6 (MCS11) | 8.73                   | 8.91       | 11.83  | 23.65                       | -11.82                      |
|                        |            |         | SDM  | AVG      | 26      | 8        | 542/573.6 (MCS11) | 8.70                   | 8.93       | 11.83  | 23.65                       | -11.82                      |
|                        |            |         | SDM  | AVG      | 26      | 17       | 542/573.6 (MCS11) | 8.89                   | 8.80       | 11.86  | 23.65                       | -11.79                      |
| 5710                   | 142        |         | SDM  | AVG      | 26      | 0        | 542/573.6 (MCS11) | 8.77                   | 8.82       | 11.81  | 23.65                       | -11.84                      |
|                        |            |         | SDM  | AVG      | 26      | 8        | 542/573.6 (MCS11) | 8.70                   | 8.95       | 11.84  | 23.65                       | -11.81                      |
|                        |            |         | SDM  | AVG      | 26      | 17       | 542/573.6 (MCS11) | 8.74                   | 8.96       | 11.86  | 23.65                       | -11.79                      |
| 5755                   | 151        |         | CDD  | AVG      | 26      | 0        | 542/573.6 (MCS11) | 19.38                  | 19.41      | 22.41  | 28.78                       | -6.37                       |
|                        |            |         | CDD  | AVG      | 26      | 8        | 542/573.6 (MCS11) | 19.30                  | 19.23      | 22.28  | 28.78                       | -6.50                       |
|                        |            |         | CDD  | AVG      | 26      | 17       | 542/573.6 (MCS11) | 19.33                  | 19.45      | 22.40  | 28.78                       | -6.38                       |
| 5795                   | 159        |         | CDD  | AVG      | 26      | 0        | 542/573.6 (MCS11) | 19.21                  | 19.26      | 22.25  | 28.78                       | -6.53                       |
|                        |            |         | CDD  | AVG      | 26      | 8        | 542/573.6 (MCS11) | 19.20                  | 19.21      | 22.22  | 28.78                       | -6.56                       |
|                        |            |         | CDD  | AVG      | 26      | 17       | 542/573.6 (MCS11) | 19.30                  | 19.20      | 22.26  | 28.78                       | -6.52                       |

Table 7-47. FCC CDD/SDM 40MHz BW (UNII) Maximum Conducted Output Power (RU26)

| 5GHz (80MHz Bandwidth) | Freq [MHz] | Channel | Mode | Detector | RU Size | RU Index | Data Rate [Mbps]  | Conducted Powers [dBm] |            |        | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|------|----------|---------|----------|-------------------|------------------------|------------|--------|-----------------------------|-----------------------------|
|                        |            |         |      |          |         |          |                   | Antenna 5b             | Antenna 4b | Summed |                             |                             |
| 5210                   | 42         |         | SDM  | AVG      | 26      | 0        | 1134/1201 (MCS11) | 8.82                   | 8.87       | 11.86  | 23.98                       | -12.12                      |
|                        |            |         | SDM  | AVG      | 26      | 18       | 1134/1201 (MCS11) | 8.88                   | 8.83       | 11.87  | 23.98                       | -12.11                      |
|                        |            |         | SDM  | AVG      | 26      | 36       | 1134/1201 (MCS11) | 8.77                   | 8.79       | 11.79  | 23.98                       | -12.19                      |
| 5290                   | 58         |         | SDM  | AVG      | 26      | 0        | 1134/1201 (MCS11) | 8.79                   | 8.71       | 11.76  | 23.73                       | -11.97                      |
|                        |            |         | SDM  | AVG      | 26      | 18       | 1134/1201 (MCS11) | 8.70                   | 8.70       | 11.71  | 23.73                       | -12.02                      |
|                        |            |         | SDM  | AVG      | 26      | 36       | 1134/1201 (MCS11) | 8.71                   | 8.80       | 11.77  | 23.73                       | -11.96                      |
| 5530                   | 106        |         | SDM  | AVG      | 26      | 0        | 1134/1201 (MCS11) | 8.79                   | 8.81       | 11.81  | 23.65                       | -11.84                      |
|                        |            |         | SDM  | AVG      | 26      | 18       | 1134/1201 (MCS11) | 8.74                   | 8.79       | 11.78  | 23.65                       | -11.87                      |
|                        |            |         | SDM  | AVG      | 26      | 36       | 1134/1201 (MCS11) | 8.73                   | 8.70       | 11.73  | 23.65                       | -11.92                      |
| 5610                   | 122        |         | SDM  | AVG      | 26      | 0        | 1134/1201 (MCS11) | 8.87                   | 8.82       | 11.86  | 23.65                       | -11.79                      |
|                        |            |         | SDM  | AVG      | 26      | 18       | 1134/1201 (MCS11) | 8.92                   | 8.86       | 11.90  | 23.65                       | -11.75                      |
|                        |            |         | SDM  | AVG      | 26      | 36       | 1134/1201 (MCS11) | 8.88                   | 8.85       | 11.88  | 23.65                       | -11.77                      |
| 5690                   | 138        |         | SDM  | AVG      | 26      | 0        | 1134/1201 (MCS11) | 8.81                   | 8.89       | 11.86  | 23.65                       | -11.79                      |
|                        |            |         | SDM  | AVG      | 26      | 18       | 1134/1201 (MCS11) | 8.71                   | 8.70       | 11.72  | 23.65                       | -11.93                      |
|                        |            |         | SDM  | AVG      | 26      | 36       | 1134/1201 (MCS11) | 8.77                   | 8.84       | 11.82  | 23.65                       | -11.83                      |
| 5775                   | 155        |         | CDD  | AVG      | 26      | 0        | 1134/1201 (MCS11) | 14.81                  | 14.75      | 17.79  | 28.78                       | -10.99                      |
|                        |            |         | CDD  | AVG      | 26      | 18       | 1134/1201 (MCS11) | 14.77                  | 14.81      | 17.80  | 28.78                       | -10.98                      |
|                        |            |         | CDD  | AVG      | 26      | 36       | 1134/1201 (MCS11) | 14.90                  | 14.78      | 17.85  | 28.78                       | -10.93                      |

Table 7-48. FCC CDD/SDM 80MHz BW (UNII) Maximum Conducted Output Power (RU26)

|                                            |                                                                                     |                                       |                                 |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|---------------------------------|
| FCC ID: BCGA2301<br>IC: 579C-A2301         |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C2101020002-16-R1.BCG | Test Dates:<br>12/12/2020 - 3/10/2021                                               | EUT Type:<br>Tablet Device            | Page 64 of 257                  |