

## MEASUREMENT REPORT

### FCC PART 15.407 / ISSED RSS-247 UNII 5GHz 802.11a/n/ac/ax/be (OFDM)

**Applicant Name:**

Apple Inc.  
One Apple Park Way  
Cupertino, CA 95014  
United States

**Date of Testing:**

05/12/2025 - 07/04/2025

**Test Report Issue Date:**

8/30/2025

**Test Site/Location:**

Element Materials Technology, Morgan Hill, CA, USA

**Test Report Serial No.:**

1C2504170038-13-R1.BCG

**FCC ID:**

**BCGA3357**

**IC:**

**579C-A3357**

**APPLICANT:**

**Apple Inc.**

**Application Type:**

Certification

**Model/HVIN:**

A3357

**EUT Type:**

Tablet Device

**Frequency Range:**

5180 – 5825MHz

**Modulation Type:**

OFDM

**FCC Classification:**

Unlicensed National Information Infrastructure (UNII)

**FCC Rule Part(s):**

Part 15 Subpart E (15.407)

**ISSED Specification:**

RSS-247 Issue 3

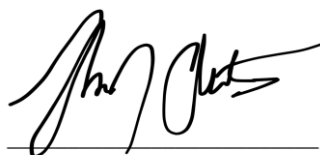
**Test Procedure(s):**

ANSI C63.10-2020, KDB 789033 D02 v02r01  
KDB 662911 D01 v02r01

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C63.10-2020 and KDB 789033 D02 v02r01. Test results reported herein relate only to the item(s) tested.

This revised Test Report (S/N: 1C2504170038-13-R1.BCG) supersedes and replaces the previously issued test report on the same subject device for the same type of testing as indicated. Please discard or destroy the previously issued test report(s) and dispose accordingly.

I attest to the accuracy of data. All measurements reported herein were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.



RJ Ortanez  
Executive Vice President



|                                                   |                                                                                                                                         |                                   |                                          |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------------------|
| <b>FCC ID:</b> BCGA3357<br><b>IC:</b> 579C-A3357  |  <b>MEASUREMENT REPORT</b><br><b>(CERTIFICATION)</b> |                                   | <b>Approved by:</b><br>Technical Manager |
| <b>Test Report S/N:</b><br>1C2504170038-13-R1.BCG | <b>Test Dates:</b><br>05/12/2025 - 07/04/2025                                                                                           | <b>EUT Type:</b><br>Tablet Device | Page 1 of 259                            |

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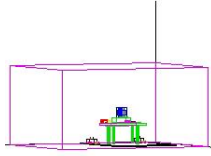
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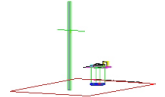
|                                                   |                                                                                     |                                               |                                          |
|---------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------|------------------------------------------|
| <b>FCC ID:</b> BCGA3357<br><b>IC:</b> 579C-A3357  |  | <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> | <b>Approved by:</b><br>Technical Manager |
| <b>Test Report S/N:</b><br>1C2504170038-13-R1.BCG | <b>Test Dates:</b><br>05/12/2025 - 07/04/2025                                       | <b>EUT Type:</b><br>Tablet Device             | Page 2 of 259                            |

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# MEASUREMENT REPORT



| UNII Band | Channel Bandwidth (MHz) | Mode          | Tx Frequency (MHz) | SISO            |                  |                 |                  |                 |                  | CDD/SDM Primary |                  | CDD/SDM Diversity |                  |
|-----------|-------------------------|---------------|--------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|-------------------|------------------|
|           |                         |               |                    | Antenna WF5B    |                  | Antenna WF8     |                  | Antenna WF7     |                  | Summed          |                  | Summed            |                  |
|           |                         |               |                    | Max. Power (mW) | Max. Power (dBm) | Max. Power (mW) | Max. Power (dBm) | Max. Power (mW) | Max. Power (dBm) | Max. Power (mW) | Max. Power (dBm) | Max. Power (mW)   | Max. Power (dBm) |
| 1         | 20                      | 802.11a/n     | 5180 - 5240        | 99.083          | 19.96            | 109.774         | 20.41            | 98.378          | 19.93            | 133.352         | 21.25            | 130.617           | 21.16            |
| 2A        |                         | 802.11a/n     | 5260 - 5320        | 98.833          | 19.95            | 112.202         | 20.50            | 95.258          | 19.79            | 131.522         | 21.19            | 130.317           | 21.15            |
| 2C        |                         | 802.11a/n     | 5500 - 5720        | 99.908          | 20.00            | 112.099         | 20.50            | 99.472          | 19.98            | 130.918         | 21.17            | 131.522           | 21.19            |
| 3         |                         | 802.11a/n     | 5745 - 5825        | 93.713          | 19.72            | 111.429         | 20.47            | 97.881          | 19.91            | 191.867         | 22.83            | 193.642           | 22.87            |
| 1         | 40                      | 802.11n       | 5190 - 5230        | 96.183          | 19.83            | 106.758         | 20.28            | 98.605          | 19.94            | 193.642         | 22.87            | 189.671           | 22.78            |
| 2A        |                         | 802.11n       | 5270 - 5310        | 97.791          | 19.90            | 106.512         | 20.27            | 97.387          | 19.89            | 192.309         | 22.84            | 190.985           | 22.81            |
| 2C        |                         | 802.11n       | 5510 - 5710        | 99.885          | 20.00            | 110.561         | 20.44            | 97.185          | 19.88            | 197.242         | 22.95            | 195.434           | 22.91            |
| 3         |                         | 802.11n       | 5755 - 5795        | 97.836          | 19.91            | 105.003         | 20.21            | 96.228          | 19.83            | 187.499         | 22.73            | 190.108           | 22.79            |
| 1         | 80                      | 802.11ac      | 5210               | 30.669          | 14.87            | 26.687          | 14.26            | 29.147          | 14.65            | 42.954          | 16.33            | 42.073            | 16.24            |
| 2A        |                         | 802.11ac      | 5290               | 37.905          | 15.79            | 37.549          | 15.75            | 36.686          | 15.65            | 52.602          | 17.21            | 53.088            | 17.25            |
| 2C        |                         | 802.11ac      | 5530 - 5690        | 95.786          | 19.81            | 107.572         | 20.32            | 99.518          | 19.98            | 192.752         | 22.85            | 195.434           | 22.91            |
| 3         |                         | 802.11ac      | 5775               | 85.349          | 19.31            | 71.007          | 18.51            | 82.149          | 19.15            | 125.314         | 20.98            | 127.350           | 21.05            |
| 1         | 20                      | 802.11be (SU) | 5180 - 5240        | 99.678          | 19.99            | 103.514         | 20.15            | 95.763          | 19.81            | 135.207         | 21.31            | 136.773           | 21.36            |
| 2A        |                         | 802.11be (SU) | 5260 - 5320        | 97.544          | 19.89            | 107.374         | 20.31            | 94.450          | 19.75            | 132.130         | 21.21            | 133.968           | 21.27            |
| 2C        |                         | 802.11be (SU) | 5500 - 5720        | 99.541          | 19.98            | 111.301         | 20.47            | 99.747          | 19.99            | 133.968         | 21.27            | 137.088           | 21.37            |
| 3         |                         | 802.11be (SU) | 5745 - 5825        | 98.265          | 19.92            | 107.177         | 20.30            | 96.405          | 19.84            | 194.984         | 22.90            | 190.108           | 22.79            |
| 1         | 40                      | 802.11be (SU) | 5190 - 5230        | 94.297          | 19.75            | 110.943         | 20.45            | 98.062          | 19.92            | 193.642         | 22.87            | 194.536           | 22.89            |
| 2A        |                         | 802.11be (SU) | 5270 - 5310        | 98.243          | 19.92            | 106.145         | 20.26            | 97.409          | 19.89            | 192.752         | 22.85            | 191.867           | 22.83            |
| 2C        |                         | 802.11be (SU) | 5510 - 5710        | 96.161          | 19.83            | 109.623         | 20.40            | 96.761          | 19.86            | 197.697         | 22.96            | 194.984           | 22.90            |
| 3         |                         | 802.11be (SU) | 5755 - 5795        | 99.015          | 19.96            | 105.317         | 20.23            | 96.073          | 19.83            | 192.752         | 22.85            | 188.799           | 22.76            |
| 1         | 80                      | 802.11be (SU) | 5210               | 25.710          | 14.10            | 26.092          | 14.17            | 26.122          | 14.17            | 38.282          | 15.83            | 38.019            | 15.80            |
| 2A        |                         | 802.11be (SU) | 5290               | 30.917          | 14.90            | 34.002          | 15.32            | 30.186          | 14.80            | 48.195          | 16.83            | 47.973            | 16.81            |
| 2C        |                         | 802.11be (SU) | 5530 - 5690        | 96.073          | 19.83            | 108.768         | 20.37            | 94.297          | 19.75            | 191.867         | 22.83            | 188.799           | 22.76            |
| 3         |                         | 802.11be (SU) | 5775               | 60.395          | 17.81            | 59.334          | 17.73            | 58.993          | 17.71            | 100.925         | 20.04            | 99.312            | 19.97            |
| 1         | 160                     | 802.11ac      | 5250               | 19.953          | 13.00            | 18.772          | 12.74            | 19.422          | 12.88            | 31.333          | 14.96            | 31.261            | 14.95            |
| 2C        |                         | 802.11ac      | 5570               | 19.480          | 12.90            | 18.527          | 12.68            | 19.916          | 12.99            | 34.198          | 15.34            | 34.198            | 15.34            |
| 1         | 160                     | 802.11be (SU) | 5250               | 19.037          | 12.80            | 16.383          | 12.14            | 19.329          | 12.86            | 29.854          | 14.75            | 30.479            | 14.84            |
| 2C        |                         | 802.11be (SU) | 5570               | 19.413          | 12.88            | 19.125          | 12.82            | 19.454          | 12.89            | 34.995          | 15.44            | 34.674            | 15.40            |

## FCC EUT Overview

| UNII Band | Channel Bandwidth (MHz) | Mode          | Tx Frequency (MHz) | SISO            |                  |                 |                  |                 |                  | CDD/SDM Primary |                  | CDD/SDM Diversity |                  |
|-----------|-------------------------|---------------|--------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|-------------------|------------------|
|           |                         |               |                    | Antenna WF5B    |                  | Antenna WF8     |                  | Antenna WF7     |                  | Summed          |                  | Summed            |                  |
|           |                         |               |                    | Max. Power (mW) | Max. Power (dBm) | Max. Power (mW) | Max. Power (dBm) | Max. Power (mW) | Max. Power (dBm) | Max. Power (mW) | Max. Power (dBm) | Max. Power (mW)   | Max. Power (dBm) |
| 1         | 20                      | 802.11a/n     | 5180 - 5240        | 96.828          | 19.86            | 80.816          | 19.08            | 99.609          | 19.98            | 84.723          | 19.28            | 85.310            | 19.31            |
| 2A        |                         | 802.11a/n     | 5260 - 5320        | 98.833          | 19.95            | 112.202         | 20.50            | 95.258          | 19.79            | 131.522         | 21.19            | 132.130           | 21.21            |
| 2C        |                         | 802.11a/n     | 5500 - 5720        | 99.908          | 20.00            | 112.099         | 20.50            | 99.472          | 19.98            | 130.918         | 21.17            | 131.826           | 21.20            |
| 3         |                         | 802.11a/n     | 5745 - 5825        | 93.713          | 19.72            | 111.429         | 20.47            | 97.881          | 19.91            | 191.867         | 22.83            | 193.642           | 22.87            |
| 1         | 40                      | 802.11n       | 5190 - 5230        | 96.183          | 19.83            | 106.758         | 20.28            | 98.605          | 19.94            | 124.165         | 20.94            | 125.026           | 20.97            |
| 2A        |                         | 802.11n       | 5270 - 5310        | 97.791          | 19.90            | 106.512         | 20.27            | 97.387          | 19.89            | 192.309         | 22.84            | 190.985           | 22.81            |
| 2C        |                         | 802.11n       | 5510 - 5710        | 99.885          | 20.00            | 110.561         | 20.44            | 97.185          | 19.88            | 197.242         | 22.95            | 192.309           | 22.84            |
| 3         |                         | 802.11n       | 5755 - 5795        | 97.836          | 19.91            | 105.003         | 20.21            | 96.228          | 19.83            | 187.499         | 22.73            | 190.108           | 22.79            |
| 1         | 80                      | 802.11ac      | 5210               | 30.669          | 14.87            | 26.687          | 14.26            | 29.147          | 14.65            | 43.752          | 16.41            | 43.853            | 16.42            |
| 2A        |                         | 802.11ac      | 5290               | 37.905          | 15.79            | 37.549          | 15.75            | 36.686          | 15.65            | 52.602          | 17.21            | 53.088            | 17.25            |
| 2C        |                         | 802.11ac      | 5530 - 5690        | 95.786          | 19.81            | 107.572         | 20.32            | 99.518          | 19.98            | 192.752         | 22.85            | 195.434           | 22.91            |
| 3         |                         | 802.11ac      | 5775               | 85.349          | 19.31            | 71.007          | 18.51            | 82.149          | 19.15            | 125.314         | 20.98            | 127.350           | 21.05            |
| 1         | 20                      | 802.11be (SU) | 5180 - 5240        | 95.148          | 19.78            | 81.246          | 19.10            | 98.175          | 19.92            | 87.902          | 19.44            | 89.331            | 19.51            |
| 2A        |                         | 802.11be (SU) | 5260 - 5320        | 97.544          | 19.89            | 107.374         | 20.31            | 94.450          | 19.75            | 132.130         | 21.21            | 133.968           | 21.27            |
| 2C        |                         | 802.11be (SU) | 5500 - 5720        | 99.541          | 19.98            | 111.301         | 20.47            | 99.747          | 19.99            | 133.968         | 21.27            | 137.088           | 21.37            |
| 3         |                         | 802.11be (SU) | 5745 - 5825        | 98.265          | 19.92            | 107.177         | 20.30            | 96.405          | 19.84            | 194.984         | 22.90            | 190.108           | 22.79            |
| 1         | 40                      | 802.11be (SU) | 5190 - 5230        | 94.297          | 19.75            | 110.943         | 20.45            | 98.062          | 19.92            | 122.180         | 20.87            | 122.744           | 20.89            |
| 2A        |                         | 802.11be (SU) | 5270 - 5310        | 98.243          | 19.92            | 106.145         | 20.26            | 97.409          | 19.89            | 192.752         | 22.85            | 191.867           | 22.83            |
| 2C        |                         | 802.11be (SU) | 5510 - 5710        | 96.161          | 19.83            | 109.623         | 20.40            | 96.761          | 19.86            | 197.697         | 22.96            | 194.984           | 22.90            |
| 3         |                         | 802.11be (SU) | 5755 - 5795        | 99.015          | 19.96            | 105.317         | 20.23            | 96.073          | 19.83            | 192.752         | 22.85            | 188.799           | 22.76            |
| 1         | 80                      | 802.11be (SU) | 5210               | 25.710          | 14.10            | 26.092          | 14.17            | 26.122          | 14.17            | 38.637          | 15.87            | 39.084            | 15.92            |
| 2A        |                         | 802.11be (SU) | 5290               | 30.917          | 14.90            | 34.002          | 15.32            | 30.186          | 14.80            | 48.195          | 16.83            | 47.973            | 16.81            |
| 2C        |                         | 802.11be (SU) | 5530 - 5690        | 96.073          | 19.83            | 108.768         | 20.37            | 94.297          | 19.75            | 191.867         | 22.83            | 188.799           | 22.76            |
| 3         |                         | 802.11be (SU) | 5775               | 60.395          | 17.81            | 59.334          | 17.73            | 58.993          | 17.71            | 100.925         | 20.04            | 99.312            | 19.97            |
| 1         | 160                     | 802.11ac      | 5250               | 19.953          | 13.00            | 18.772          | 12.74            | 19.422          | 12.88            | 30.339          | 14.82            | 30.479            | 14.84            |
| 1         |                         | 802.11be (SU) | 5250               | 19.037          | 12.80            | 16.383          | 12.14            | 19.329          | 12.86            | 29.854          | 14.75            | 30.479            | 14.84            |

## ISED EUT Overview

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                              | EUT Type:<br>Tablet Device            | Page 3 of 259                     |

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## 1.0 INTRODUCTION

### 1.1 Scope

Measurement and determination of electromagnetic emissions (EMC) of radio frequency devices including intentional and/or unintentional radiators for compliance with the technical rules and regulations of the Federal Communications Commission and the Innovation, Science and Economic Development Canada.

### 1.2 Element Materials Technology Test Location

These measurement tests were conducted at the Element Materials Technology facility located at 18855 Adams Court, Morgan Hill, CA 95037. The measurement facility is compliant with the test site requirements specified in ANSI C63.4-2014 and KDB 414788 D01 v01r01.

### 1.3 Test Facility / Accreditations

**Measurements were performed at Element Materials Technology located in Morgan Hill, CA 95037, U.S.A.**

- Element Materials Technology is an ISO 17025-2017 accredited test facility under the American Association for Laboratory Accreditation (A2LA) with Certificate number 2041.02 for Specific Absorption Rate (SAR), Hearing Aid Compatibility (HAC) testing, where applicable, and Electromagnetic Compatibility (EMC) testing for FCC and Innovation, Science, and Economic Development Canada rules.
- Element Washington DC LLC TCB is a Telecommunication Certification Body (TCB) accredited to ISO/IEC 17065-2012 by A2LA (Certificate number 2041.03) in all scopes of FCC Rules and ISED Standards (RSS).
- Element Materials Technology facility is a registered (22831) test laboratory with the site description on file with ISED.
- Element Washington DC LLC is a Recognized U.S. Certification Assessment Body (CAB # US0110) for ISED Canada as designated by NIST under the U.S. and Canada Mutual Recognition Agreements (MRAs).

|                                                   |                                                                                                                                   |                                   |                                          |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------------------|
| <b>FCC ID:</b> BCGA3357<br><b>IC:</b> 579C-A3357  |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                                   | <b>Approved by:</b><br>Technical Manager |
| <b>Test Report S/N:</b><br>1C2504170038-13-R1.BCG | <b>Test Dates:</b><br>05/12/2025 - 07/04/2025                                                                                     | <b>EUT Type:</b><br>Tablet Device | Page 4 of 259                            |

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## 2.0 PRODUCT INFORMATION

### 2.1 Equipment Description

The Equipment Under Test (EUT) is the **Apple Tablet Device FCC ID: BCGA3357** and **IC: 579C-A3357**. The test data contained in this report pertains only to the emissions due to the EUT's UNII 802.11a/n/ac/ax/(SU)/be(SU) transmitter.

**Test Device Serial No.:** MKGPD4TVM2, RPWJKH9CYJ, YPPXL7GTXF, R9KD0C2NC3, H9HHG5000JS0000SDF, H9HHG5000M80000SDF

### 2.2 Device Capabilities

This device contains the following capabilities:

802.11b/g/n/ax/be WLAN, 802.11a/n/ac/ax/be UNII (5GHz and 6GHz), 802.15.4, Bluetooth (1x, EDR, LE, HDR, HDT), Narrowband (NB) UNII (5GHz and 6GHz), WPT

This device supports BT Beamforming

This device supports channel puncturing and channel bandwidth reduction.

|                                                   |                                                                                     |                                               |                                          |
|---------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------|------------------------------------------|
| <b>FCC ID:</b> BCGA3357<br><b>IC:</b> 579C-A3357  |  | <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> | <b>Approved by:</b><br>Technical Manager |
| <b>Test Report S/N:</b><br>1C2504170038-13-R1.BCG | <b>Test Dates:</b><br>05/12/2025 - 07/04/2025                                       | <b>EUT Type:</b><br>Tablet Device             | Page 5 of 259                            |

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| Band 1 |                 | Band 2A |                 | Band 2C |                 | Band 3 |                 |
|--------|-----------------|---------|-----------------|---------|-----------------|--------|-----------------|
| Ch.    | Frequency (MHz) | Ch.     | Frequency (MHz) | Ch.     | Frequency (MHz) | Ch.    | Frequency (MHz) |
| 36     | 5180            | 52      | 5260            | 100     | 5500            | 149    | 5745            |
| :      | :               | :       | :               | :       | :               | :      | :               |
| 42     | 5210            | 56      | 5280            | 116     | 5580            | 157    | 5785            |
| :      | :               | :       | :               | :       | :               | :      | :               |
| 48     | 5240            | 64      | 5320            | 144     | 5720            | 165    | 5825            |

Table 2-1. 802.11a/n/ac/ax/be (20MHz) Frequency / Channel Operations

| Band 1 |                 | Band 2A |                 | Band 2C |                 | Band 3 |                 |
|--------|-----------------|---------|-----------------|---------|-----------------|--------|-----------------|
| Ch.    | Frequency (MHz) | Ch.     | Frequency (MHz) | Ch.     | Frequency (MHz) | Ch.    | Frequency (MHz) |
| 38     | 5190            | 54      | 5270            | 102     | 5510            | 151    | 5755            |
| :      | :               | :       | :               | :       | :               | :      | :               |
| 46     | 5230            | 62      | 5310            | 110     | 5550            | 159    | 5795            |
|        |                 |         |                 | :       | :               |        |                 |
|        |                 |         |                 | 142     | 5710            |        |                 |

Table 2-2. 802.11n/ac/ax/be (40MHz BW) Frequency / Channel Operations

| Band 1 |                 | Band 2A |                 | Band 2C |                 | Band 3 |                 |
|--------|-----------------|---------|-----------------|---------|-----------------|--------|-----------------|
| Ch.    | Frequency (MHz) | Ch.     | Frequency (MHz) | Ch.     | Frequency (MHz) | Ch.    | Frequency (MHz) |
| 42     | 5210            | 58      | 5290            | 106     | 5530            | 155    | 5775            |
|        |                 |         |                 | :       | :               |        |                 |
|        |                 |         |                 | 138     | 5690            |        |                 |

Table 2-3. 802.11ac/ax/be (80MHz BW) Frequency / Channel Operations

| Band 1 |                 | Band 2A |                 | Band 2C |                 |
|--------|-----------------|---------|-----------------|---------|-----------------|
| Ch.    | Frequency (MHz) | Ch.     | Frequency (MHz) | Ch.     | Frequency (MHz) |
| 50     | 5250            | 50      | 5250            | 114     | 5570            |

Table 2-4. 802.11ac/ax/be (160MHz BW) Frequency / Channel Operations

|                                            |                                                                                                                                   |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                                                                            | EUT Type:<br>Tablet Device | Page 6 of 259                     |

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#### Notes:

1. TDWR channels are not supported for ISCED.
2. 5GHz NII operation is possible in 20MHz, and 40MHz, 80MHz, and 160MHz channel bandwidths. The maximum achievable duty cycles for all modes were determined based on measurements performed on a spectrum analyzer in zero-span mode with RBW = 8MHz, VBW = 50MHz, and detector = peak per the guidance of Section B)2)b) KDB 789033 D02 v02r01 and ANSI C63.10-2020. The RBW and VBW were both greater than 50/T, where T is the minimum transmission duration, and the number of sweep points across T was greater than 100. The duty cycles are as follows:

| 802.11 Mode/Band                    | Duty Cycle [%] |           |                |           |                |           |                 |           |                   |           |
|-------------------------------------|----------------|-----------|----------------|-----------|----------------|-----------|-----------------|-----------|-------------------|-----------|
|                                     | Antenna WF5B   |           | Antenna WF8    |           | Antenna WF7    |           | CDD/SDM Primary |           | CDD/SDM Diversity |           |
|                                     | Duty Cycle [%] | DCCF [dB] | Duty Cycle [%] | DCCF [dB] | Duty Cycle [%] | DCCF [dB] | Duty Cycle [%]  | DCCF [dB] | Duty Cycle [%]    | DCCF [dB] |
| a<br>(Low Data Rate)                | 98.537         | 0.064     | 98.719         | 0.056     | 98.107         | 0.083     | 98.356          | 0.072     | 98.401            | 0.070     |
| a<br>(Mid Data Rate)                | 95.918         | 0.181     | 95.918         | 0.181     | 96.073         | 0.174     | 95.675          | 0.192     | 96.405            | 0.159     |
| a<br>(High Data Rate)               | 93.004         | 0.315     | 93.304         | 0.301     | 93.004         | 0.315     | 92.790          | 0.325     | 93.004            | 0.315     |
| n (HT20)<br>(Low Data Rate)         | 98.719         | 0.056     | 98.560         | 0.063     | 98.378         | 0.071     | 98.560          | 0.063     | 98.265            | 0.076     |
| n (HT20)<br>(Mid Data Rate)         | 95.104         | 0.218     | 94.689         | 0.237     | 95.104         | 0.218     | 95.060          | 0.220     | 95.192            | 0.214     |
| n (HT20)<br>(High Data Rate)        | 91.117         | 0.404     | 91.369         | 0.392     | 91.243         | 0.398     | 91.664          | 0.378     | 91.496            | 0.386     |
| n (HT40)<br>(Low Data Rate)         | 97.521         | 0.109     | 96.917         | 0.136     | 96.917         | 0.136     | 97.051          | 0.130     | 96.805            | 0.141     |
| n (HT40)<br>(Mid Data Rate)         | 90.866         | 0.416     | 91.285         | 0.396     | 91.432         | 0.389     | 90.866          | 0.416     | 91.138            | 0.403     |
| n (HT40)<br>(High Data Rate)        | 85.783         | 0.666     | 85.526         | 0.679     | 85.330         | 0.689     | 85.330          | 0.689     | 85.546            | 0.678     |
| ac (VHT80)<br>(Low Data Rate)       | 94.428         | 0.249     | 94.428         | 0.249     | 94.428         | 0.249     | 94.776          | 0.233     | 94.211            | 0.259     |
| ac (VHT80)<br>(Mid Data Rate)       | 85.212         | 0.695     | 85.212         | 0.695     | 84.996         | 0.706     | 85.016          | 0.705     | 85.192            | 0.696     |
| ac (VHT80)<br>(High Data Rate)      | 79.141         | 1.016     | 78.217         | 1.067     | 79.141         | 1.016     | 78.813          | 1.034     | 78.813            | 1.034     |
| ac (VHT160)<br>(Low Data Rate)      | 90.761         | 0.421     | 90.678         | 0.425     | 90.908         | 0.414     | 90.761          | 0.421     | 90.887            | 0.415     |
| ac (VHT160)<br>(Mid Data Rate)      | 78.469         | 1.053     | 78.542         | 1.049     | 79.141         | 1.016     | 78.886          | 1.030     | 79.141            | 1.016     |
| ac (VHT160)<br>(High Data Rate)     | 72.111         | 1.420     | 72.527         | 1.395     | 72.527         | 1.395     | 71.978          | 1.428     | 72.111            | 1.420     |
| be(SU) (EHT20)<br>(Low Data Rate)   | 98.469         | 0.067     | 98.062         | 0.085     | 98.220         | 0.078     | 97.926          | 0.091     | 98.062            | 0.085     |
| be(SU) (EHT20)<br>(Mid Data Rate)   | 94.493         | 0.246     | 94.037         | 0.267     | 94.602         | 0.241     | 94.667          | 0.238     | 94.755            | 0.234     |
| be(SU) (EHT20)<br>(High Data Rate)  | 91.054         | 0.407     | 90.365         | 0.440     | 90.803         | 0.419     | 90.866          | 0.416     | 90.803            | 0.419     |
| be(SU) (EHT40)<br>(Low Data Rate)   | 96.472         | 0.156     | 96.672         | 0.147     | 96.872         | 0.138     | 96.672          | 0.147     | 96.872            | 0.138     |
| be(SU) (EHT40)<br>(Mid Data Rate)   | 90.949         | 0.412     | 90.928         | 0.413     | 90.678         | 0.425     | 91.243          | 0.398     | 91.075            | 0.406     |
| be(SU) (EHT40)<br>(High Data Rate)  | 86.497         | 0.630     | 86.517         | 0.629     | 86.517         | 0.629     | 86.497          | 0.630     | 86.318            | 0.639     |
| be(SU) (EHT80)<br>(Low Data Rate)   | 94.037         | 0.267     | 94.211         | 0.259     | 94.211         | 0.259     | 94.384          | 0.251     | 94.211            | 0.259     |
| be(SU) (EHT80)<br>(Mid Data Rate)   | 86.457         | 0.632     | 86.457         | 0.632     | 86.238         | 0.643     | 86.457          | 0.632     | 86.457            | 0.632     |
| be(SU) (EHT80)<br>(High Data Rate)  | 81.264         | 0.901     | 81.790         | 0.873     | 81.790         | 0.873     | 81.508          | 0.888     | 81.846            | 0.870     |
| be(SU) (EHT160)<br>(Low Data Rate)  | 90.594         | 0.429     | 90.448         | 0.436     | 90.719         | 0.423     | 90.740          | 0.422     | 90.448            | 0.436     |
| be(SU) (EHT160)<br>(Mid Data Rate)  | 81.846         | 0.870     | 81.208         | 0.904     | 81.846         | 0.870     | 81.846          | 0.870     | 81.320            | 0.898     |
| be(SU) (EHT160)<br>(High Data Rate) | 78.235         | 1.066     | 77.965         | 1.081     | 78.307         | 1.062     | 77.965          | 1.081     | 77.893            | 1.085     |

**Table 2-4. Measured Duty Cycles**

**CDD/SDM Primary = Antenna WF5B + Antenna WF8**

**CDD/SDM Diversity = Antenna WF8 + Antenna WF7**

|                                            |                                                                                                                                   |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                                                                            | EUT Type:<br>Tablet Device | Page 7 of 259                     |

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3. The device employs MIMO technology. Below are the possible configurations.

| WiFi Configurations |                   | SISO         |             |             | CDD          |             |             | SDM          |             |             | STBC         |             |             |
|---------------------|-------------------|--------------|-------------|-------------|--------------|-------------|-------------|--------------|-------------|-------------|--------------|-------------|-------------|
|                     |                   | Antenna WF5B | Antenna WF8 | Antenna WF7 | Antenna WF5B | Antenna WF8 | Antenna WF7 | Antenna WF5B | Antenna WF8 | Antenna WF7 | Antenna WF5B | Antenna WF8 | Antenna WF7 |
| 5GHz                | 11a               | ✓            | ✓           | ✓           | ✓            | ✓           | ✓           | ✗            | ✗           | ✗           | ✗            | ✗           | ✗           |
|                     | 11n (20MHz)       | ✓            | ✓           | ✓           | ✓            | ✓           | ✓           | ✓            | ✓           | ✓           | ✓            | ✓           | ✓           |
|                     | 11ax(SU) (20MHz)  | ✓            | ✓           | ✓           | ✓            | ✓           | ✓           | ✓            | ✓           | ✓           | ✓            | ✓           | ✓           |
|                     | 11be(SU) (20MHz)  | ✓            | ✓           | ✓           | ✓            | ✓           | ✓           | ✓            | ✓           | ✓           | ✓            | ✓           | ✓           |
|                     | 11n (40MHz)       | ✓            | ✓           | ✓           | ✓            | ✓           | ✓           | ✓            | ✓           | ✓           | ✓            | ✓           | ✓           |
|                     | 11ax(SU) (40MHz)  | ✓            | ✓           | ✓           | ✓            | ✓           | ✓           | ✓            | ✓           | ✓           | ✓            | ✓           | ✓           |
|                     | 11be(SU) (40MHz)  | ✓            | ✓           | ✓           | ✓            | ✓           | ✓           | ✓            | ✓           | ✓           | ✓            | ✓           | ✓           |
|                     | 11ac (80MHz)      | ✓            | ✓           | ✓           | ✓            | ✓           | ✓           | ✓            | ✓           | ✓           | ✓            | ✓           | ✓           |
|                     | 11ax(SU) (80MHz)  | ✓            | ✓           | ✓           | ✓            | ✓           | ✓           | ✓            | ✓           | ✓           | ✓            | ✓           | ✓           |
|                     | 11be(SU) (80MHz)  | ✓            | ✓           | ✓           | ✓            | ✓           | ✓           | ✓            | ✓           | ✓           | ✓            | ✓           | ✓           |
|                     | 11ac (160MHz)     | ✓            | ✓           | ✓           | ✓            | ✓           | ✓           | ✓            | ✓           | ✓           | ✓            | ✓           | ✓           |
|                     | 11ax(SU) (160MHz) | ✓            | ✓           | ✓           | ✓            | ✓           | ✓           | ✓            | ✓           | ✓           | ✓            | ✓           | ✓           |
|                     | 11be(SU) (160MHz) | ✓            | ✓           | ✓           | ✓            | ✓           | ✓           | ✓            | ✓           | ✓           | ✓            | ✓           | ✓           |

**Table 2-5. WIFI Configurations**

✓ = Support ; ✗ = NOT Support

**SISO** = Single Input Single Output

**SDM** = Spatial Diversity Multiplexing – MIMO function

**CDD** = Cyclic Delay Diversity - 2Tx Function

**STBC** = Space-Time Block Coding – 2Tx Function

|                                            |                                        |                                                                                                                                   |  |                                   |
|--------------------------------------------|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |                                        |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |  | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025 | EUT Type:<br>Tablet Device                                                                                                        |  | Page 8 of 259                     |

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4. The device supports the following data rates (shown in Mbps):

| 802.11a | MCS Index |     |    |     | Spatial Stream | OFDM (802.11n/802.11ac) |          |          |          | OFDM (802.11ac) |          |          |          | OFDM (802.11ax/be) |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |  |        |  |  |  |  |
|---------|-----------|-----|----|-----|----------------|-------------------------|----------|----------|----------|-----------------|----------|----------|----------|--------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|--|--------|--|--|--|--|
|         |           |     |    |     |                | 20MHz                   |          |          |          | 40MHz           |          |          |          | 60MHz              |          |          |          | 160MHz   |          |          |          | 20MHz    |          |          |          | 40MHz    |          |          |          | 80MHz    |          |  |  | 160MHz |  |  |  |  |
|         | HT        | VHT | HE | EHT |                | 0.8µs GI                | 0.4µs GI | 0.8µs GI | 0.4µs GI | 0.8µs GI        | 0.4µs GI | 0.8µs GI | 0.4µs GI | 0.8µs GI           | 1.6µs GI | 3.2µs GI | 0.8µs GI | 1.6µs GI | 3.2µs GI | 0.8µs GI | 1.6µs GI | 3.2µs GI | 0.8µs GI | 1.6µs GI | 3.2µs GI | 0.8µs GI | 1.6µs GI | 3.2µs GI | 0.8µs GI | 1.6µs GI | 3.2µs GI |  |  |        |  |  |  |  |
| 6       | 0         | 0   | 0  | 0   | 1              | 6.5                     | 7.2      | 13.5     | 15       | 29.3            | 32.5     | 58.5     | 65       | 8.6                | 8.1      | 7.3      | 17.2     | 16.3     | 14.6     | 36       | 34       | 30.6     | 72.1     | 68.1     | 61.3     |          |          |          |          |          |          |  |  |        |  |  |  |  |
| 9       | 1         | 1   | 1  | 1   | 1              | 13                      | 14.4     | 27       | 30       | 58.5            | 65       | 117      | 130      | 17.2               | 16.3     | 14.6     | 34.4     | 32.5     | 29.3     | 72.1     | 68.1     | 61.3     | 144.1    | 136.1    | 122.5    |          |          |          |          |          |          |  |  |        |  |  |  |  |
| 12      | 2         | 2   | 2  | 2   | 1              | 19.5                    | 21.7     | 40.5     | 45       | 87.8            | 97.5     | 175.5    | 195      | 25.8               | 24.2     | 21.9     | 48.8     | 45.6     | 41.4     | 108.1    | 102.1    | 91.9     | 192.4    | 202.2    | 183.8    |          |          |          |          |          |          |  |  |        |  |  |  |  |
| 18      | 3         | 3   | 3  | 3   | 1              | 26                      | 28.9     | 54       | 60       | 130             | 143      | 234      | 260      | 34.4               | 32.5     | 29.3     | 65       | 60.4     | 55       | 136.1    | 126.1    | 113.2    | 288.2    | 272.2    | 245      |          |          |          |          |          |          |  |  |        |  |  |  |  |
| 24      | 4         | 4   | 4  | 4   | 1              | 32.5                    | 43.3     | 81       | 90       | 175.5           | 195      | 351      | 390      | 51.6               | 48.8     | 43.9     | 103.2    | 97.5     | 87.8     | 216.2    | 204.2    | 183.8    | 432.4    | 408.3    | 367.5    |          |          |          |          |          |          |  |  |        |  |  |  |  |
| 36      | 5         | 5   | 5  | 5   | 1              | 39                      | 57.8     | 108      | 120      | 234             | 260      | 468      | 520      | 68.8               | 65       | 58.5     | 137.6    | 130      | 117      | 288.2    | 272.2    | 245      | 576.5    | 544.4    | 490      |          |          |          |          |          |          |  |  |        |  |  |  |  |
| 48      | 6         | 6   | 6  | 6   | 1              | 58.5                    | 65       | 121.5    | 135      | 263.3           | 292.5    | 526.5    | 585      | 77.4               | 73.1     | 65.8     | 154.9    | 146.3    | 131.6    | 324.3    | 306.3    | 275.6    | 648.5    | 612.5    | 551.3    |          |          |          |          |          |          |  |  |        |  |  |  |  |
| 54      | 7         | 7   | 7  | 7   | 1              | 65                      | 72.2     | 135      | 150      | 292.5           | 325      | 585      | 650      | 86                 | 81.3     | 73.1     | 172.1    | 162.5    | 146.3    | 360.3    | 340.3    | 306.3    | 720.6    | 680.6    | 612.5    |          |          |          |          |          |          |  |  |        |  |  |  |  |
| -       | -         | -   | -  | -   | 1              | -                       | -        | 162      | 180      | 351             | 390      | 702      | 780      | 103.2              | 97.5     | 87.8     | 206.5    | 195      | 175.5    | 432.4    | 408.3    | 367.5    | 864.7    | 816.7    | 735      |          |          |          |          |          |          |  |  |        |  |  |  |  |
| -       | -         | -   | -  | -   | 1              | -                       | -        | 180      | 200      | 390             | 433.3    | 780      | 866.7    | 114.7              | 108.3    | 97.5     | 229.4    | 216.7    | 195      | 480.4    | 453.7    | 408.3    | 960.8    | 907.4    | 816.7    |          |          |          |          |          |          |  |  |        |  |  |  |  |
| -       | -         | -   | -  | -   | 1              | -                       | -        | -        | -        | -               | -        | -        | -        | -                  | 129      | 121.9    | 109.7    | 258.1    | 243.8    | 219.4    | 540.4    | 510.4    | 459.4    | 1080.9   | 1020.8   | 918.8    |          |          |          |          |          |  |  |        |  |  |  |  |
| -       | -         | -   | -  | -   | 1              | -                       | -        | -        | -        | -               | -        | -        | -        | -                  | 143.4    | 135.4    | 121.9    | 288.8    | 270.8    | 243.8    | 600.5    | 567.1    | 510.4    | 1201     | 1134.3   | 1020.8   |          |          |          |          |          |  |  |        |  |  |  |  |
| 6       | 8         | 0   | 0  | 0   | 2              | 13                      | 14.4     | 27       | 30       | 58.5            | 65       | 117      | 130      | 17.2               | 16.3     | 14.6     | 34.4     | 32.5     | 29.3     | 72.1     | 68.1     | 61.3     | 144.1    | 136.1    | 122.5    |          |          |          |          |          |          |  |  |        |  |  |  |  |
| 9       | 9         | 1   | 1  | 1   | 2              | 26                      | 28.9     | 54       | 60       | 117             | 130      | 234      | 260      | 34.4               | 32.5     | 29.3     | 68.8     | 65       | 58.5     | 144.1    | 136.1    | 122.5    | 288.2    | 272.2    | 245      |          |          |          |          |          |          |  |  |        |  |  |  |  |
| 12      | 10        | 2   | 2  | 2   | 2              | 39                      | 43.3     | 81       | 90       | 175.5           | 195      | 351      | 390      | 51.6               | 48.8     | 43.9     | 103.2    | 97.5     | 87.8     | 216.2    | 204.2    | 183.8    | 432.4    | 408.3    | 367.5    |          |          |          |          |          |          |  |  |        |  |  |  |  |
| 18      | 11        | 3   | 3  | 3   | 2              | 52                      | 57.8     | 108      | 120      | 234             | 260      | 468      | 520      | 68.8               | 65       | 58.5     | 137.6    | 130      | 117      | 288.2    | 272.2    | 245      | 576.5    | 544.4    | 490      |          |          |          |          |          |          |  |  |        |  |  |  |  |
| 24      | 12        | 4   | 4  | 4   | 2              | 78                      | 86.7     | 162      | 180      | 351             | 390      | 702      | 780      | 103.2              | 97.5     | 87.8     | 206.5    | 195      | 175      | 432.4    | 408.3    | 367.5    | 864.7    | 816.7    | 735      |          |          |          |          |          |          |  |  |        |  |  |  |  |
| 36      | 13        | 5   | 5  | 5   | 2              | 104                     | 115.6    | 216      | 240      | 468             | 520      | 936      | 1040     | 137.6              | 130      | 117      | 275.3    | 260      | 234      | 576.5    | 544.4    | 490      | 1152.9   | 1088.9   | 980      |          |          |          |          |          |          |  |  |        |  |  |  |  |
| 48      | 14        | 6   | 6  | 6   | 2              | 130                     | 130      | 243      | 270      | 526.5           | 585      | 1053     | 1170     | 154.9              | 146.3    | 131.6    | 309.7    | 292.5    | 263.5    | 648.5    | 612.5    | 551.3    | 1297.1   | 1225     | 1102.5   |          |          |          |          |          |          |  |  |        |  |  |  |  |
| 54      | 15        | 7   | 7  | 7   | 2              | 130                     | 144.4    | 270      | 300      | 585             | 650      | 1170     | 1300     | 172.1              | 162.5    | 146.3    | 344.1    | 325      | 292.5    | 720.6    | 680.6    | 612.5    | 1441.2   | 1361.1   | 1225     |          |          |          |          |          |          |  |  |        |  |  |  |  |
| -       | -         | 8   | 8  | 8   | 2              | 173.3                   | 173.3    | 324      | 360      | 702             | 780      | 1430     | 1560     | 206.5              | 195      | 175.5    | 412.9    | 390      | 351      | 864.7    | 816.7    | 735      | 1729.4   | 1633.3   | 1470     |          |          |          |          |          |          |  |  |        |  |  |  |  |
| -       | -         | 9   | 9  | 9   | 2              | -                       | -        | 360      | 400      | 780             | 866.7    | 1560     | 1733.3   | 229.4              | 216.7    | 195      | 458.8    | 433.3    | 390      | 960.8    | 907.4    | 816.7    | 1921.6   | 1814.3   | 1633.3   |          |          |          |          |          |          |  |  |        |  |  |  |  |
| -       | -         | 10  | 10 | 10  | 2              | -                       | -        | -        | -        | -               | -        | -        | -        | 258.1              | 243.8    | 219.4    | 516.8    | 487.5    | 438.7    | 1080.9   | 1020.8   | 918.8    | 2161.8   | 2041.7   | 1837.5   |          |          |          |          |          |          |  |  |        |  |  |  |  |
| -       | -         | 11  | 11 | 11  | 2              | -                       | -        | -        | -        | -               | -        | -        | -        | 286.8              | 270.8    | 243.8    | 573.5    | 541.7    | 487.5    | 1201     | 1134.3   | 1020.8   | 2402     | 2268.5   | 2041.7   |          |          |          |          |          |          |  |  |        |  |  |  |  |

Table 2-6. Supported Data Rates

5. This device supports simultaneous transmission operations, which allows multiple transmitters to transmit simultaneously on the same antenna. The table below shows all configurations possible.

| Antenna | Simultaneous Tx Config | Bluetooth 2.4GHz      | Thread   | WLAN               | NB UNII               | WIFI 5GHz           | WIFI 6GHz      |
|---------|------------------------|-----------------------|----------|--------------------|-----------------------|---------------------|----------------|
|         |                        | BDR, EDR, LE HDR, HDT | 802.15.4 | 802.11 b/g/n/ax/be | BDR, EDR, LE HDR, HDT | 802.11 a/n/ac/ax/be | 802.11 a/ax/be |
| Ant WF7 | Config 1               | ✓                     | ✗        | ✗                  | ✗                     | ✓                   | ✗              |
| Ant WF7 | Config 2               | ✓                     | ✗        | ✗                  | ✗                     | ✗                   | ✓              |
| Ant WF7 | Config 3               | ✗                     | ✓        | ✗                  | ✗                     | ✓                   | ✗              |
| Ant WF7 | Config 4               | ✗                     | ✓        | ✗                  | ✗                     | ✗                   | ✓              |
| Ant WF7 | Config 5               | ✗                     | ✗        | ✓                  | ✓                     | ✗                   | ✗              |
| Ant WF7 | Config 6               | ✗                     | ✗        | ✓                  | ✗                     | ✓                   | ✗              |
| Ant WF7 | Config 7               | ✗                     | ✗        | ✓                  | ✗                     | ✗                   | ✓              |
| Ant WF8 | Config 8               | ✓                     | ✗        | ✗                  | ✗                     | ✓                   | ✗              |
| Ant WF8 | Config 9               | ✓                     | ✗        | ✗                  | ✗                     | ✗                   | ✓              |
| Ant WF8 | Config 10              | ✗                     | ✓        | ✗                  | ✗                     | ✓                   | ✗              |
| Ant WF8 | Config 11              | ✗                     | ✓        | ✗                  | ✗                     | ✗                   | ✓              |
| Ant WF8 | Config 12              | ✗                     | ✗        | ✓                  | ✓                     | ✗                   | ✗              |
| Ant WF8 | Config 13              | ✗                     | ✗        | ✓                  | ✗                     | ✓                   | ✗              |
| Ant WF8 | Config 14              | ✗                     | ✗        | ✓                  | ✗                     | ✗                   | ✓              |

Table 2-7. Simultaneous Transmission Configurations

✓ = Support; ✗ = Not Support

Note:

All the above simultaneous transmission configurations have been tested and the worst-case configuration was found to be Config 1.

|                                            |                                                                                                                               |                            |                                   |
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## 2.3 Antenna Description

Following antenna gains provided by manufacturer were used for the testing.

| Frequency [GHz] | Antenna Gain (dBi) |             |             |
|-----------------|--------------------|-------------|-------------|
|                 | Antenna WF5B       | Antenna WF8 | Antenna WF7 |
| 5.150 – 5.250   | 0.3                | 1.1         | -1.5        |
| 5.250 – 5.350   | 1.3                | 0.4         | -0.7        |
| 5.470 – 5.725   | 1.4                | 0.9         | 2.1         |
| 5725 – 5.850    | 1.1                | -1.4        | 1.6         |

**Table 2-8. Highest Antenna Gain**

## 2.4 Test Support Equipment

|   |                   |        |          |      |                   |
|---|-------------------|--------|----------|------|-------------------|
|   |                   |        |          |      |                   |
| 1 | Apple MacBook Pro | Model: | A2141    | S/N: | C02H604EQ05D      |
|   | w/AC/DC Adapter   | Model: | A2166    | S/N: | C4H042705ZNPM0WA6 |
|   |                   |        |          |      |                   |
| 2 | Apple USB-C Cable | Model: | Spartan  | S/N: | GXK1336018XKTR024 |
|   |                   |        |          |      |                   |
| 3 | USB-C Cable       | Model: | A246C    | S/N: | DWH80115BK826GV19 |
|   | w/ AC Adapter     | Model: | A2305    | S/N: | C4H95160004PF4F4V |
|   |                   |        |          |      |                   |
| 4 | Apple Pencil      | Model: | A2538    | S/N: | KJ26TCFXJW        |
|   |                   |        |          |      |                   |
|   |                   |        |          |      |                   |
| 5 | DC Power Supply   | Model: | KPS3010D | S/N: | N/A               |
|   |                   |        |          |      |                   |

**Table 2-9. Test Support Equipment List**

|                                                   |                                                                                     |                                               |                                          |
|---------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------|------------------------------------------|
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## 2.5 Test Configuration

The EUT was tested per the guidance of ANSI C63.10-2020 and KDB 789033 D02 v02r01. ANSI C63.10-2020 was used to reference the appropriate EUT setup for radiated spurious emissions testing and AC line conducted testing. See Sections 3.2 for AC line conducted emissions test setups, 3.3 for radiated emissions test setups, and 7.2, 7.3, 7.4, and 7.5 for antenna port conducted emissions test setups.

There are two vendors of the WiFi/Bluetooth radio modules, variant 1 and variant 2. Both radio modules have the same mechanical outline, same on-board antenna matching circuit, identical antenna structure, and are built and tested to conform to the same specifications and to operate within the same tolerances. The worst case configuration was found between the two variants. The EUT was also investigated with and without charger.

For emissions from 1GHz – 18GHz, low, mid, and high channels were tested with highest power and worst case configuration. The emissions below 1GHz and above 18GHz were tested with the highest transmitting power and the worst case channel was reported.

The EUT was manipulated through three orthogonal planes of X-orientation (flatbed), Y-orientation (landscape), and Z-orientation (portrait) during the testing. Only the worst case emissions were reported in this test report.

For AC line conducted and radiated test below 1GHz, following configuration were investigated and EUT powered by AC/DC was the worst case.

- EUT powered by AC/DC adaptor via USB-C cable with wire charger
- EUT powered by host PC via USB-C cable with wire charger

802.11be-mode test data provided in this report covers 802.11ax as target powers are identical.

802.11n HT20/40, 11ax/be(SU) HE20/40/80/160 and 11ac VHT80/160 2TX CDD/SDM mode test data provided in this report covers 802.11n HT20/40, 11ax/be(SU) HE20/40/80/160 and 802.11ac VHT80/160 2TX STBC mode

802.11ac VHT20 and VHT40 mode are different from 802.11n HT20 and HT40 only in control messages and have the same power settings.

The data rates have been categorized into three groups: low, middle, and high data rates (see Table 2-6). All three groups have been investigated, and only the worst-case data rate has been reported.

For 802.11ax/be (OFDMA) test result, see separate UNII 802.11ax/be (OFDMA) report, 1C2504170038-14-R1.BCG.

All possible simultaneous transmission configurations have been investigated and the worst case config has been reported.

| Description               | Bluetooth   | UNII        |
|---------------------------|-------------|-------------|
| Antenna                   | Antenna WF7 | Antenna WF7 |
| Channel                   | 78          | 36          |
| Operating Frequency (MHz) | 2480        | 5180        |
| Mode/Modulation           | GFSK ePA    | 802.11n     |

**Table 2-10. Worst Case Simultaneous Transmission Configuration**

## 2.6 Software and Firmware

The test was conducted with firmware version 23A256 installed on the EUT.

## 2.7 EMI Suppression Device(s)/Modifications

No EMI suppression device(s) were added and/or no modifications were made during testing.

|                                                   |                                                                                     |                                               |                                          |
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## 3.0 DESCRIPTION OF TESTS

### 3.1 Evaluation Procedure

The measurement procedures described in the American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices (ANSI C63.10-2020) and the guidance provided in KDB 789033 D02 v02r01 were used in the measurement of the EUT.

Deviation from measurement procedure.....None

### 3.2 AC Line Conducted Emissions

The line-conducted facility is located inside a 7m x 3.66m x 2.7m shielded enclosure. The shielded enclosure is manufactured by AP Americas. The shielding effectiveness of the shielded room is in accordance with MIL-Std-285 or NSA 65-6. A 1m x 1.5m wooden table 80cm high is placed 40cm away from the vertical wall and 80cm away from the sidewall of the shielded room. Two 10kHz-30MHz, 50Ω/50μH Line-Impedance Stabilization Networks (LISNs) are bonded to the shielded room floor. Power to the LISNs is filtered by external high-current high-insertion loss power line filters. The external power line filter is EPCOS 2X60A Power Line Filter (100dB Attenuation, 14kHz-18GHz) and the two EPCOs 2X48A filters (100dB Minimum Insertion Loss, 14kHz - 10GHz). These filters attenuate ambient signal noise from entering the measurement lines. These filters are also bonded to the shielded enclosure.

The EUT is powered from one LISN and the support equipment is powered from the second LISN. If the EUT is a DC-powered device, power will be derived from the source power supply it normally will be powered from and this supply line(s) will be connected to the second LISN. All interconnecting cables more than 1 meter were shortened to a 1 meter length by non-inductive bundling (serpentine fashion) and draped over the back edge of the test table. All cables were at least 40cm above the horizontal reference ground plane. Power cables for support equipment were routed down to the second LISN while ensuring that that cables were not draped over the second LISN.

Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. The RF output of the LISN was connected to the spectrum analyzer and exploratory measurements were made to determine the frequencies producing the maximum emission from the EUT. The spectrum was scanned from 150kHz to 30MHz with a spectrum analyzer. The detector function was set to peak mode for exploratory measurements while the bandwidth of the analyzer was set to 10kHz. The EUT, support equipment, and interconnecting cables were arranged and manipulated to maximize each emission. Once the worst case emissions have been identified, the one EUT cable configuration/arrangement and mode of operation that produced these emissions is used for final measurements on the same test site. The analyzer is set to CISPR quasi-peak and average detectors with a 9kHz resolution bandwidth for final measurements.

Line conducted emissions test results are shown in Section 7.8. Automated test software was used to perform the AC line conducted emissions testing. Automated measurement software utilized is Rohde & Schwarz EMC32, Version 10.50.40.

|                                            |                                                                                     |                                       |                                   |
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### 3.3 Radiated Emissions

The radiated test facilities consisted of an indoor 3 meter semi-anechoic chamber used for final measurements and exploratory measurements, when necessary. The measurement area is contained within the semi-anechoic chamber which is shielded from any ambient interference. The test site inside the chamber is a 6m x 5.2m elliptical, obstruction-free area in accordance with Figure 5.7 of Clause 5 in ANSI C63.4-2014. Absorbers are arranged on the floor between the turn table and the antenna mast in such a way so as to maximize the reduction of reflections for measurements above 1GHz. An 80cm tall test table made of Styrodur is placed on top of the turn table. For measurements above 1GHz, an additional Styrodur pedestal is placed on top of the test table to bring the total table height to 1.5m.

Per KDB 414788, radiated emission test sites other than open-field test sites (e.g., shielded anechoic chambers), may be employed for emission measurements below 30MHz if characterized so that the measurements correspond to those obtained at an open-field test site. To determine test site equivalency, a reference sample transmitting at 149kHz was measured on an open field test site (asphalt with no ground plane) and then measured in the 3m semi-anechoic chamber. A calibrated 60cm loop antenna was used while the reference device was rotated through the X, Y and Z axis in order to capture the worst case level. A maximum deviation of 2.77dB at 149kHz was measured when comparing the 3 meter semi-anechoic chamber to the open field site.

For all measurements, the spectrum was scanned through all EUT azimuths and from 1 to 4 meter receive antenna height using a broadband antenna from 30MHz up to the upper frequency shown in 15.33 depending on the highest frequency generated or used in the device or on which the device operates or tunes. For frequencies above 1GHz, linearly polarized double ridge horn antennas were used. For frequencies below 30MHz, a calibrated loop antenna was used. When exploratory measurements were necessary, they were performed at 1 meter test distance inside the semi-anechoic chamber using broadband antennas, broadband amplifiers, and spectrum analyzers to determine the frequencies and modes producing the maximum emissions. Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. The test set-up was placed on top of the 1 x 1.5 meter table. The EUT, support equipment, and interconnecting cables were arranged and manipulated to maximize each emission. Appropriate precaution was taken to ensure that all emissions from the EUT were maximized and investigated. The system configuration, mode of operation, turntable azimuth, and receive antenna height was noted for each frequency found.

Final measurements were made in the semi-anechoic chamber using calibrated, linearly polarized broadband and horn antennas. The test setup was configured to the setup that produced the worst case emissions. The spectrum analyzer was set to investigate all frequencies required for testing to compare the highest radiated disturbances with respect to the specified limits. The turntable containing the EUT was rotated through 360 degrees and the height of the receive antenna was varied 1 to 4 meters and stopped at the azimuth and height producing the maximum emission. Each emission was maximized by changing the orientation of the EUT through three orthogonal planes and changing the polarity of the receive antenna, whichever produced the worst-case emissions.

### 3.4 Environmental Conditions

The temperature is controlled within range of 15°C to 35°C. The relative humidity is controlled within range of 10% to 75%. The atmospheric pressure is monitored within the range 86-106kPa (860-1060mbar).

|                                                   |                                                                                                                                   |                                   |                                          |
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## 4.0 ANTENNA REQUIREMENTS

### Excerpt from §15.203 of the FCC Rules/Regulations:

“An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.”

- The antennas of the EUT are **permanently attached**.
- There are no provisions for connection to an external antenna.

### Conclusion:

The EUT complies with the requirement of §15.203.

|                                                   |                                                                                     |                                               |                                          |
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## 5.0 MEASUREMENT UNCERTAINTY

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.23-2012. All measurement uncertainty values are shown with a coverage factor of  $k = 2$  to indicate a 95% level of confidence. The measurement uncertainty shown below meets or exceeds the  $U_{\text{CISPR}}$  measurement uncertainty values specified in CISPR 16-4-2 and, thus, can be compared directly to specified limits to determine compliance.

| Contribution                        | Expanded Uncertainty ( $\pm$ dB) |
|-------------------------------------|----------------------------------|
| Conducted Bench Top Measurements    | 2.07                             |
| Line Conducted Disturbance          | 1.91                             |
| Radiated Disturbance (<30MHz)       | 4.12                             |
| Radiated Disturbance (30MHz - 1GHz) | 4.85                             |
| Radiated Disturbance (1 - 18GHz)    | 5.08                             |
| Radiated Disturbance (>18GHz)       | 5.22                             |

|                                            |                                                                                     |                                       |                                   |
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## 6.0 TEST EQUIPMENT CALIBRATION DATA

Test Equipment Calibration is traceable to the National Institute of Standards and Technology (NIST). Measurements antennas used during testing were calibrated in accordance with the requirements of ANSI C63.5-2017.

| Manufacturer           | Model                    | Description                            | Cal Date   | Cal Interval | Cal Due    | Serial Number |
|------------------------|--------------------------|----------------------------------------|------------|--------------|------------|---------------|
| Anritsu                | ML2496A                  | Power Meter                            | 2/10/2025  | Annual       | 2/10/2026  | 1306009       |
| Anritsu                | MA2411B                  | Pulse Power Sensor                     | 2/10/2025  | Annual       | 2/10/2026  | 1315051       |
| Anritsu                | MA2411B                  | Pulse Power Sensor                     | 2/10/2025  | Annual       | 2/10/2026  | 1339027       |
| ATM                    | 180-442-KF               | 20dB Nominal Gain Horn Antenna         | 3/24/2025  | Annual       | 3/24/2026  | T058601-02    |
| ETS-Lindgren           | 3117                     | Double Ridged Guide Antenna (1-18 GHz) | 9/25/2024  | Annual       | 9/25/2025  | 00240109      |
| Fairview Microwave/MCL | FMCA1975-36/BW-K10-2W44+ | 30MHz-40GHz RF Cable/Attenuator *      | 6/10/2025  | Annual       | 6/10/2026  | -             |
| Keysight Technology    | N9040B                   | UXA Signal Analyzer                    | 9/5/2024   | Annual       | 9/5/2025   | MY61320121    |
| Keysight Technology    | N9030A                   | PXA Signal Analyzer                    | 10/16/2024 | Annual       | 10/16/2025 | MY49430494    |
| Rohde & Schwarz        | TS-PR18                  | Pre-Amplifier (1GHz - 18GHz)           | 8/14/2024  | Annual       | 8/14/2025  | 101648        |
| Rohde & Schwarz        | FSW43                    | Spectrum Analyzer 2Hz to 43GHz         | 11/21/2024 | Annual       | 11/21/2025 | 104093        |
| Rohde & Schwarz        | ESW44                    | EMI Test Receiver                      | 10/17/2024 | Annual       | 10/17/2025 | 101668        |
| Rohde & Schwarz        | TS-PR8                   | Pre-Amplifier (30MHz - 8GHz)           | 9/20/2024  | Annual       | 9/20/2025  | 102327        |
| Rohde & Schwarz        | TS-PR1840                | Pre-Amplifier (18GHz - 40GHz)          | 6/3/2025   | Annual       | 6/3/2026   | 100052        |
| Rohde & Schwarz        | HFH2-Z2                  | Loop Antenna                           | 5/12/2025  | Annual       | 5/12/2026  | 100546        |
| Rohde & Schwarz        | ENV216                   | Two-Line V-Network                     | 4/24/2025  | Annual       | 4/24/2026  | 101364        |
| Schwarzbeck            | VULB 9162                | Bilog Antenna (30MHz - 6GHz)           | 9/18/2024  | Annual       | 9/18/2025  | 00358         |

**Table 6-1. Test Equipment List**

**Note:**

- For equipment listed above that has a calibration date or calibration due date that falls within the test date range, care was taken to ensure that this equipment was used after the calibration date and before the calibration due date.
- \* denotes passive equipment that have been internally verified/calibrated.

|                                            |                                                                                     |                                       |                                   |
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## 7.0 TEST RESULTS

### 7.1 Summary

Company Name: Apple Inc.  
 FCC ID: BCGA3357  
 IC: 579C-A3357  
 FCC Classification: Unlicensed National Information Infrastructure (UNII)

| FCC Part Section(s)                | RSS Section(s) | Test Description                                                              | Test Limit                                                                                     | Test Condition | Test Result | Reference                                  |
|------------------------------------|----------------|-------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|----------------|-------------|--------------------------------------------|
| 15.407                             | RSS-Gen [6.7]  | 26dB Bandwidth                                                                | N/A                                                                                            | CONDUCTED      | N/A         | Section 7.2                                |
| 15.407(e)                          | RSS-Gen [6.7]  | 6dB Bandwidth                                                                 | >500kHz(5725-5850MHz)                                                                          |                | PASS        | Section 7.3                                |
| 2.1049                             | RSS-Gen [6.7]  | Occupied Bandwidth                                                            | N/A                                                                                            |                | N/A         | Section 7.2, Section 7.3                   |
| 15.407 (a.1.iv), (a.2), (a.3)      | RSS-247 [6.2]  | Maximum Conducted Output Power                                                | Maximum conducted powers must meet the limits detailed in 15.407 (a) (RSS-247 [6.2])           |                | PASS        | Section 7.4                                |
| 15.407 (a.1.iv), (a.2), (a.3)      | RSS-247 [6.2]  | Maximum Power Spectral Density                                                | Maximum power spectral density must meet the limits detailed in 15.407 (a) (RSS-247 [6.2])     |                | PASS        | Section 7.5                                |
| 15.407(h)                          | RSS-247 [6.3]  | Dynamic Frequency Selection                                                   | See DFS Test Report                                                                            | RADIATED       | PASS        | See DFS Test Report (1C25041700 38-12.BCG) |
| 15.407(b.1), (2), (3), (4)         | RSS-247 [6.2]  | Undesirable Emissions                                                         | Undesirable emissions must meet the limits detailed in 15.407(b) (RSS-247 [6.2])               |                | PASS        | Section 7.6                                |
| 15.205, 15.407(b.1), (2), (3), (4) | RSS-Gen [8.9]  | General Field Strength Limits (Restricted Bands and Radiated Emission Limits) | Emissions in restricted bands must meet the radiated limits detailed in 15.209 (RSS-Gen [8.9]) |                | PASS        | Section 7.6, 7.7                           |
| 15.207                             | RSS-Gen [8.8]  | AC Conducted Emissions 150kHz – 30MHz                                         | < FCC 15.207 (RSS-Gen [8.8]) limits                                                            | LINE CONDUCTED | PASS        | Section 7.8                                |

**Table 7-1. Summary of Test Results**

#### Notes:

- 1) All channels, modes, and modulations/data rates were investigated among all UNII bands. The test results shown in the following sections represent the worst case emissions.
- 2) The analyzer plots shown in this section were all taken with a correction table loaded into the analyzer. The correction table was used to account for the losses of the cables and attenuators used as part of the system to connect the EUT to the analyzer at all frequencies of interest.
- 3) All antenna port conducted emissions testing was performed on a test bench with the antenna port of the EUT connected to the spectrum analyzer through calibrated cables and attenuators.
- 4) For conducted spurious emissions, automated test software was used to measure emissions and capture the corresponding plots necessary to show compliance. The measurement software utilized is Element “Conducted Automation,” Version 1.4.0.
- 5) For radiated testing, automated test software was used to measure emissions and capture the corresponding plots necessary to show compliance. The measurement software utilized is Element “Chamber Automation,” Version 3.4.2.

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
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## 7.2 26dB & 99% Bandwidth Measurement

\$2.1049; \$15.407; RSS-Gen [6.7]

### Test Overview and Limit

The bandwidth at 26dB 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 C63.10-2020 and KDB 789033 D02 v02r01, and at the appropriate frequencies. The spectrum analyzer's bandwidth measurement function is configured to measure the 26dB bandwidth.

***The 26dB bandwidth is used to determine the conducted power limits.***

### Test Procedure Used

ANSI C63.10-2020 – Section 12.5.2  
KDB 789033 D02 v02r01 – Section C

### Test Settings

1. The signal analyzers' automatic bandwidth measurement capability was used to perform the 26dB bandwidth measurement. The "X" dB bandwidth parameter was set to  $X = 26$ . 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 = in the range of 1% to 5% of the emission bandwidth
3.  $VBW \geq 3 \times RBW$
4. Detector = Peak
5. Trace mode = max hold

### Test Setup

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



**Figure 7-1. Test Instrument & Measurement Setup**

### Test Notes

1. All data rates and channels (low, mid, and high) were investigated, and tabular data provided. Only worst-case plots for each bandwidth are reported.

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                              | EUT Type:<br>Tablet Device            | Page 18 of 259                    |

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## 7.2.1 Antenna WF5B 26dB & 99% Bandwidth Measurements

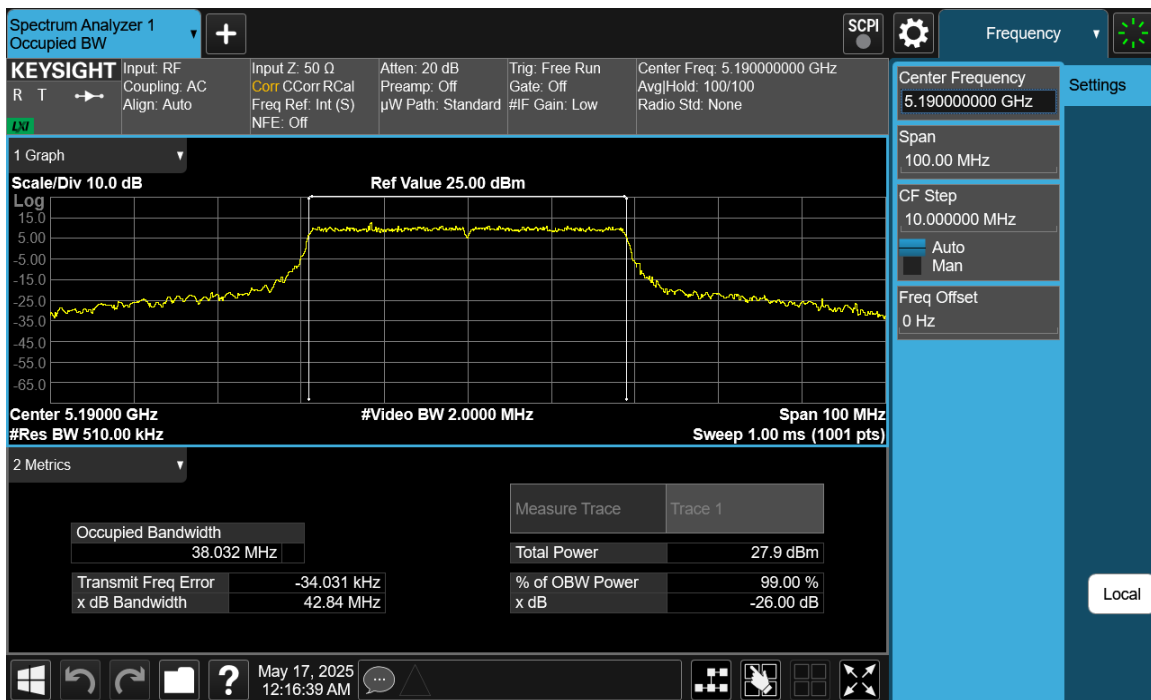
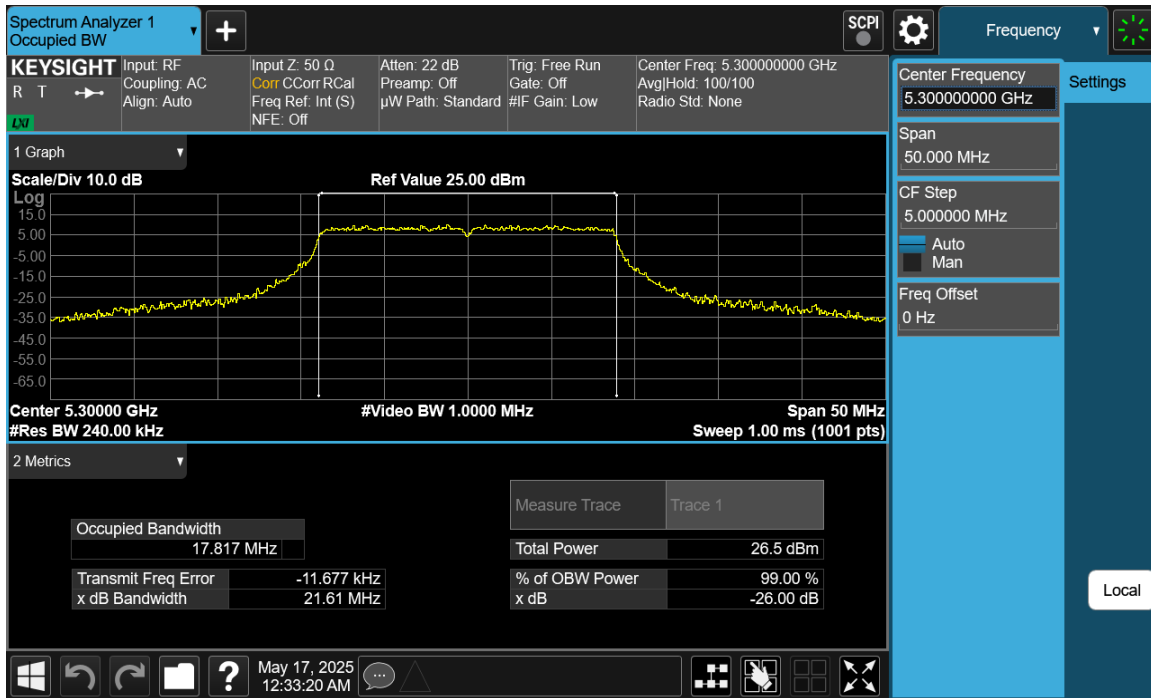
|          | Frequency [MHz] | Channel | 802.11 MODE      | Data Rate | Measured 99% Occupied Bandwidth [MHz] | Measured 26dB Bandwidth [MHz] |
|----------|-----------------|---------|------------------|-----------|---------------------------------------|-------------------------------|
| Band 1   | 5180            | 36      | a                | 36Mbps    | 17.89                                 | 22.37                         |
|          | 5200            | 40      | a                | 18Mbps    | 17.87                                 | 21.99                         |
|          | 5240            | 48      | a                | 36Mbps    | 17.86                                 | 22.04                         |
|          | 5180            | 36      | n (20MHz)        | MCS3      | 17.87                                 | 22.10                         |
|          | 5200            | 40      | n (20MHz)        | MCS5      | 17.85                                 | 22.12                         |
|          | 5240            | 48      | n (20MHz)        | MCS5      | 17.88                                 | 22.18                         |
|          | 5180            | 36      | be (SU) (20MHz)  | MCS3      | 19.05                                 | 22.32                         |
|          | 5200            | 40      | be (SU) (20MHz)  | MCS5      | 19.07                                 | 22.19                         |
|          | 5240            | 48      | be (SU) (20MHz)  | MCS5      | 19.08                                 | 22.54                         |
|          | 5190            | 38      | n (40MHz)        | MCS5      | 36.61                                 | 43.45                         |
|          | 5230            | 46      | n (40MHz)        | MCS3      | 36.67                                 | 43.34                         |
|          | 5190            | 38      | be (SU) (40MHz)  | MCS5      | 38.03                                 | 42.84                         |
|          | 5230            | 46      | be (SU) (40MHz)  | MCS5      | 38.01                                 | 43.87                         |
|          | 5210            | 42      | ac (80MHz)       | MCS3      | 76.06                                 | 81.05                         |
| Band 1/2 | 5210            | 42      | be (SU) (80MHz)  | MCS0      | 77.42                                 | 82.10                         |
|          | 5250            | 50      | ac (160MHz)      | MCS5      | 154.68                                | 163.61                        |
| Band 2A  | 5250            | 50      | be (SU) (160MHz) | MCS3      | 156.64                                | 164.23                        |
|          | 5260            | 52      | a                | 18Mbps    | 17.88                                 | 22.03                         |
|          | 5300            | 60      | a                | 36Mbps    | 17.82                                 | 21.61                         |
|          | 5320            | 64      | a                | 36Mbps    | 17.87                                 | 21.90                         |
|          | 5260            | 52      | n (20MHz)        | MCS5      | 17.86                                 | 21.73                         |
|          | 5300            | 60      | n (20MHz)        | MCS5      | 17.86                                 | 21.93                         |
|          | 5320            | 64      | n (20MHz)        | MCS5      | 17.87                                 | 22.21                         |
|          | 5260            | 52      | be (SU) (20MHz)  | MCS5      | 19.06                                 | 22.07                         |
|          | 5300            | 60      | be (SU) (20MHz)  | MCS5      | 19.02                                 | 22.42                         |
|          | 5320            | 64      | be (SU) (20MHz)  | MCS3      | 19.06                                 | 22.18                         |
|          | 5270            | 54      | n (40MHz)        | MCS3      | 36.61                                 | 43.00                         |
|          | 5310            | 62      | n (40MHz)        | MCS5      | 36.61                                 | 42.99                         |
|          | 5270            | 54      | be (SU) (40MHz)  | MCS0      | 38.05                                 | 43.54                         |
|          | 5310            | 62      | be (SU) (40MHz)  | MCS0      | 38.03                                 | 43.98                         |
|          | 5290            | 58      | ac (80MHz)       | MCS3      | 75.86                                 | 81.16                         |
|          | 5290            | 58      | be (SU) (80MHz)  | MCS0      | 77.61                                 | 82.19                         |
| Band 2C  | 5500            | 100     | a                | 36Mbps    | 17.86                                 | 21.90                         |
|          | 5580            | 116     | a                | 36Mbps    | 17.89                                 | 22.15                         |
|          | 5720            | 144     | a                | 6Mbps     | 18.04                                 | 22.16                         |
|          | 5500            | 100     | n (20MHz)        | MCS3      | 17.90                                 | 21.75                         |
|          | 5580            | 116     | n (20MHz)        | MCS5      | 17.88                                 | 21.99                         |
|          | 5720            | 144     | n (20MHz)        | MCS3      | 17.90                                 | 21.84                         |
|          | 5500            | 100     | be (SU) (20MHz)  | MCS3      | 19.03                                 | 22.04                         |
|          | 5580            | 116     | be (SU) (20MHz)  | MCS3      | 19.03                                 | 21.94                         |
|          | 5720            | 144     | be (SU) (20MHz)  | MCS5      | 19.05                                 | 22.53                         |
|          | 5510            | 102     | n (40MHz)        | MCS3      | 36.61                                 | 43.32                         |
|          | 5550            | 110     | n (40MHz)        | MCS3      | 36.67                                 | 46.18                         |
|          | 5710            | 142     | n (40MHz)        | MCS3      | 36.68                                 | 43.59                         |
|          | 5510            | 102     | be (SU) (40MHz)  | MCS5      | 38.03                                 | 43.65                         |
|          | 5550            | 110     | be (SU) (40MHz)  | MCS0      | 38.06                                 | 43.86                         |
|          | 5710            | 142     | be (SU) (40MHz)  | MCS5      | 37.99                                 | 43.45                         |
|          | 5530            | 106     | ac (80MHz)       | MCS5      | 76.04                                 | 81.08                         |
|          | *5610           | 122     | ac (80MHz)       | MCS3      | 75.91                                 | 81.24                         |
|          | 5690            | 138     | ac (80MHz)       | MCS5      | 76.09                                 | 81.25                         |
|          | 5530            | 106     | be (SU) (80MHz)  | MCS3      | 77.50                                 | 82.45                         |
|          | *5610           | 122     | be (SU) (80MHz)  | MCS5      | 77.54                                 | 82.51                         |
|          | 5690            | 138     | be (SU) (80MHz)  | MCS5      | 77.61                                 | 82.63                         |
|          | *5570           | 114     | ac (160MHz)      | MCS5      | 154.81                                | 163.38                        |
|          | *5570           | 114     | be (SU) (160MHz) | MCS3      | 156.49                                | 164.45                        |

**Table 7-2. Conducted Bandwidth Measurements Antenna WF5B**

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

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                              | EUT Type:<br>Tablet Device            | Page 19 of 259                    |

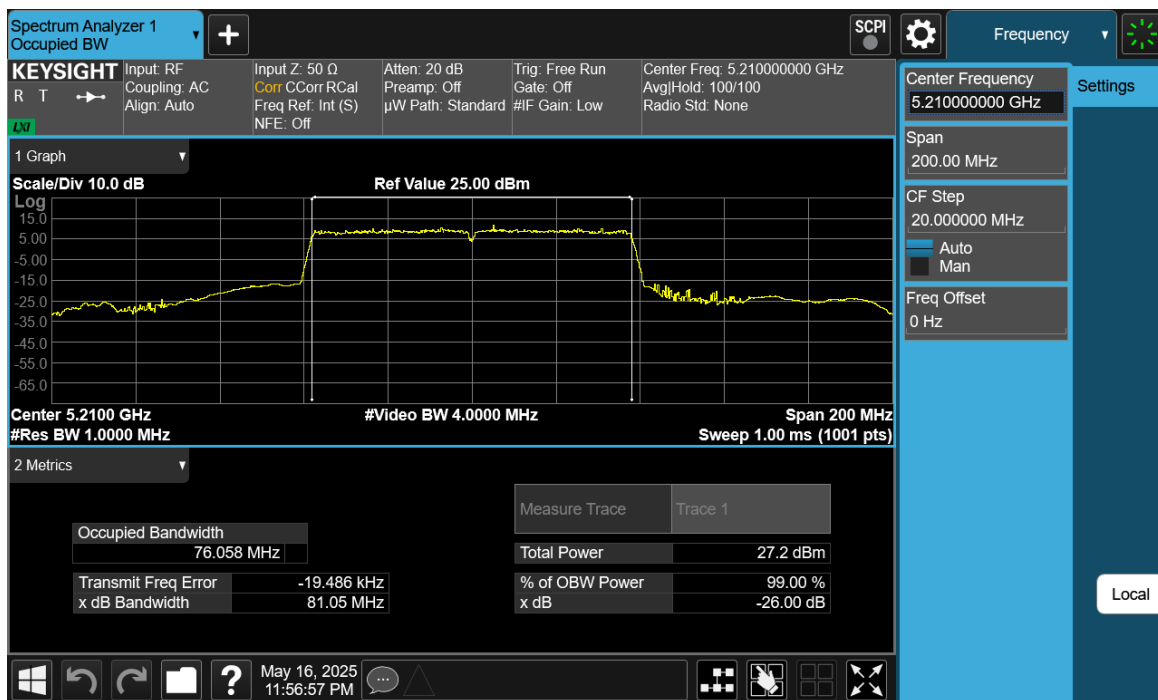
V 11.0 05/2025



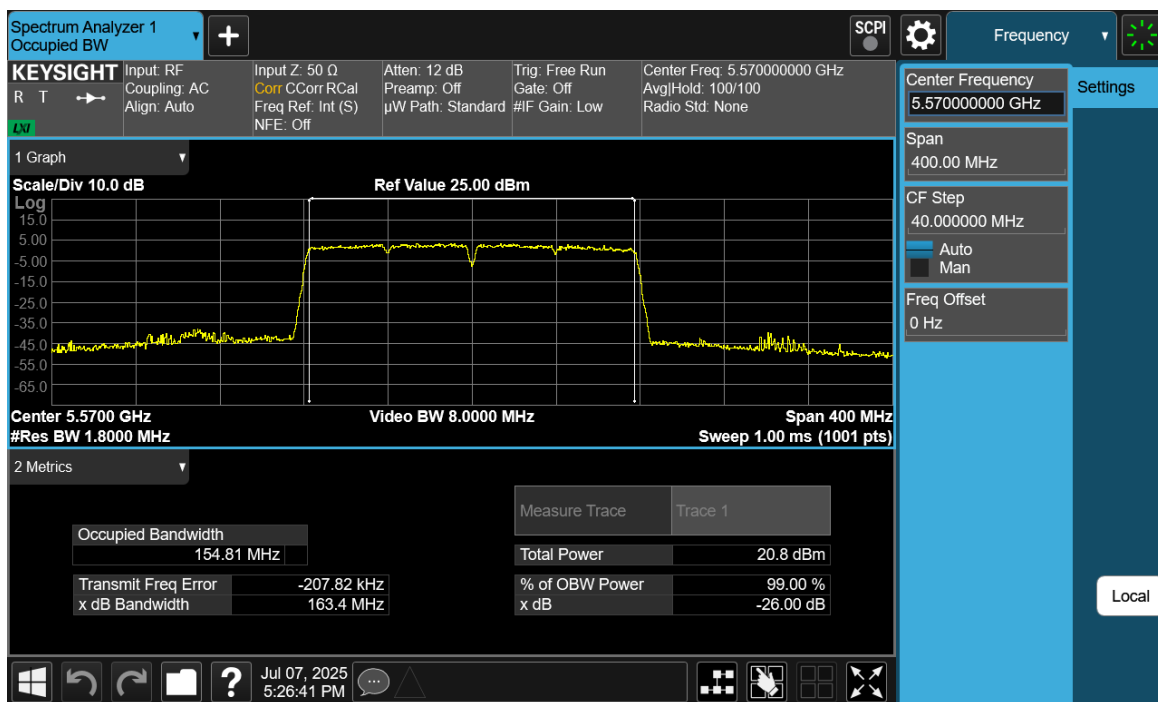
|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                              | EUT Type:<br>Tablet Device            | Page 20 of 259                    |

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Plot 7-3 26dB BW & 99% OBW Antenna WF5B (80MHz BW 802.11ac - Ch.42)



Plot 7-4 26dB BW & 99% OBW Antenna WF5B (160MHz BW 802.11ac - Ch.114)

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                              | EUT Type:<br>Tablet Device            | Page 21 of 259                    |

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## 7.2.2 Antenna WF8 26dB & 99% Bandwidth Measurements

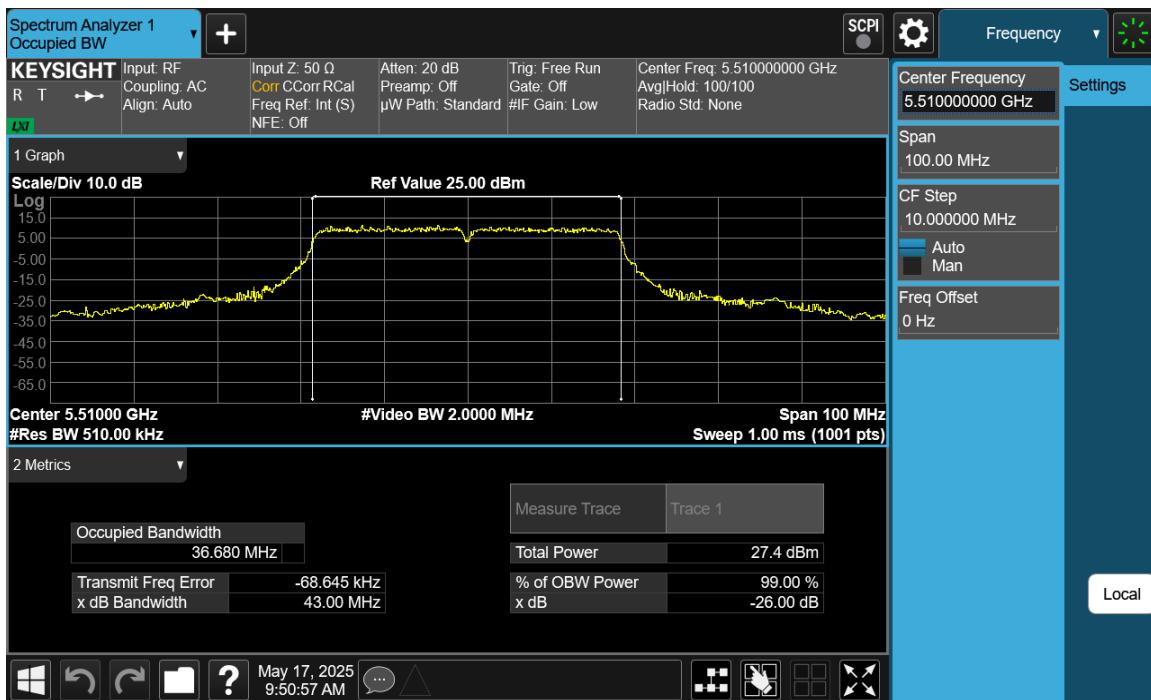
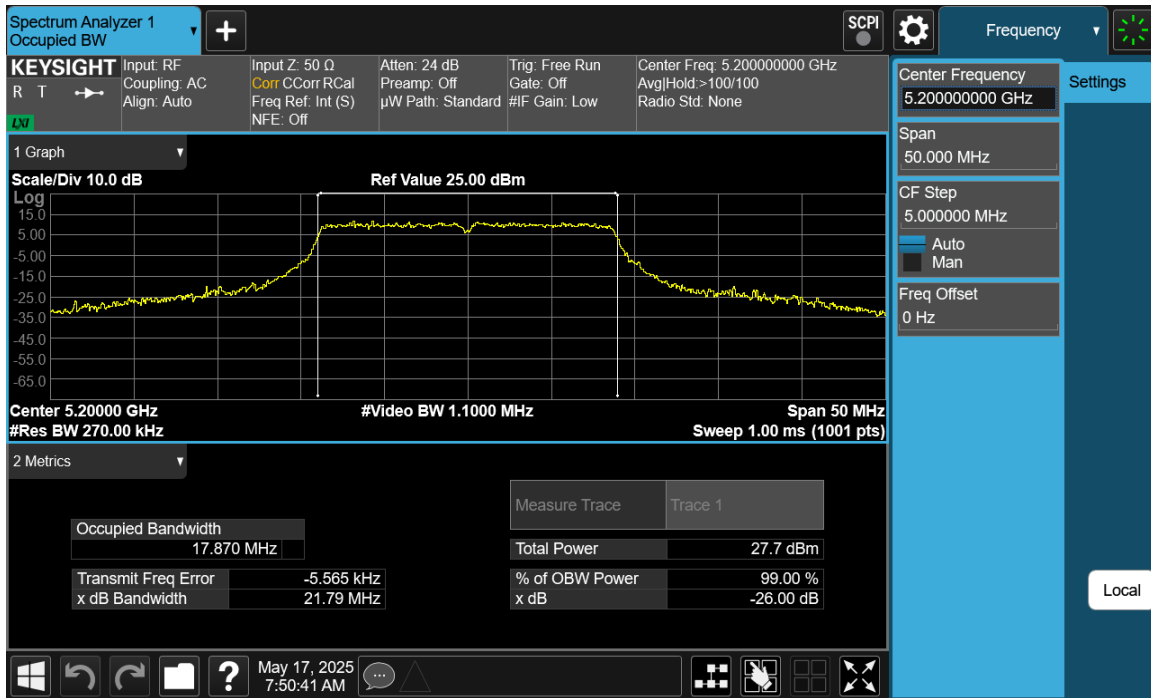
|          | Frequency [MHz] | Channel | 802.11 MODE      | Data Rate | Measured 99% Occupied Bandwidth [MHz] | Measured 26dB Bandwidth [MHz] |
|----------|-----------------|---------|------------------|-----------|---------------------------------------|-------------------------------|
| Band 1   | 5180            | 36      | a                | 36Mbps    | 17.86                                 | 22.67                         |
|          | 5200            | 40      | a                | 36Mbps    | 17.90                                 | 22.41                         |
|          | 5240            | 48      | a                | 36Mbps    | 17.89                                 | 21.81                         |
|          | 5180            | 36      | n (20MHz)        | MCS3      | 17.88                                 | 22.18                         |
|          | 5200            | 40      | n (20MHz)        | MCS3      | 17.87                                 | 21.79                         |
|          | 5240            | 48      | n (20MHz)        | MCS3      | 17.89                                 | 22.35                         |
|          | 5180            | 36      | be (SU) (20MHz)  | MCS3      | 19.05                                 | 22.38                         |
|          | 5200            | 40      | be (SU) (20MHz)  | MCS3      | 19.05                                 | 22.33                         |
|          | 5240            | 48      | be (SU) (20MHz)  | MCS3      | 19.02                                 | 22.20                         |
|          | 5190            | 38      | n (40MHz)        | MCS3      | 36.72                                 | 43.47                         |
|          | 5230            | 46      | n (40MHz)        | MCS5      | 36.65                                 | 43.25                         |
|          | 5190            | 38      | be (SU) (40MHz)  | MCS0      | 38.09                                 | 43.91                         |
|          | 5230            | 46      | be (SU) (40MHz)  | MCS0      | 38.03                                 | 44.15                         |
| Band 1/2 | 5210            | 42      | ac (80MHz)       | MCS5      | 76.13                                 | 81.53                         |
|          | 5210            | 42      | be (SU) (80MHz)  | MCS0      | 77.59                                 | 82.11                         |
| Band 2A  | 5250            | 50      | ac (160MHz)      | MCS5      | 154.77                                | 163.08                        |
|          | 5250            | 50      | be (SU) (160MHz) | MCS3      | 156.49                                | 164.39                        |
|          | 5260            | 52      | a                | 36Mbps    | 17.88                                 | 22.16                         |
|          | 5300            | 60      | a                | 36Mbps    | 17.87                                 | 22.17                         |
|          | 5320            | 64      | a                | 36Mbps    | 17.88                                 | 22.10                         |
|          | 5260            | 52      | n (20MHz)        | MCS5      | 17.87                                 | 22.14                         |
|          | 5300            | 60      | n (20MHz)        | MCS5      | 17.92                                 | 22.02                         |
|          | 5320            | 64      | n (20MHz)        | MCS5      | 17.83                                 | 21.93                         |
|          | 5260            | 52      | be (SU) (20MHz)  | MCS3      | 19.05                                 | 22.03                         |
|          | 5300            | 60      | be (SU) (20MHz)  | MCS3      | 19.02                                 | 22.12                         |
|          | 5320            | 64      | be (SU) (20MHz)  | MCS5      | 19.05                                 | 22.39                         |
|          | 5270            | 54      | n (40MHz)        | MCS5      | 36.63                                 | 43.62                         |
|          | 5310            | 62      | n (40MHz)        | MCS3      | 36.54                                 | 43.24                         |
|          | 5270            | 54      | be (SU) (40MHz)  | MCS5      | 38.04                                 | 43.83                         |
|          | 5310            | 62      | be (SU) (40MHz)  | MCS0      | 38.06                                 | 43.99                         |
|          | 5290            | 58      | ac (80MHz)       | MCS3      | 75.87                                 | 81.27                         |
|          | 5290            | 58      | be (SU) (80MHz)  | MCS5      | 77.49                                 | 82.28                         |
| Band 2C  | 5500            | 100     | a                | 36Mbps    | 17.87                                 | 22.21                         |
|          | 5580            | 116     | a                | 36Mbps    | 17.88                                 | 22.05                         |
|          | 5720            | 144     | a                | 36Mbps    | 17.89                                 | 22.30                         |
|          | 5500            | 100     | n (20MHz)        | MCS3      | 17.90                                 | 21.97                         |
|          | 5580            | 116     | n (20MHz)        | MCS5      | 17.85                                 | 22.05                         |
|          | 5720            | 144     | n (20MHz)        | MCS3      | 17.89                                 | 22.03                         |
|          | 5500            | 100     | be (SU) (20MHz)  | MCS5      | 19.05                                 | 22.45                         |
|          | 5580            | 116     | be (SU) (20MHz)  | MCS5      | 19.03                                 | 22.22                         |
|          | 5720            | 144     | be (SU) (20MHz)  | MCS3      | 19.05                                 | 22.05                         |
|          | 5510            | 102     | n (40MHz)        | MCS3      | 36.68                                 | 43.00                         |
|          | 5550            | 110     | n (40MHz)        | MCS5      | 36.65                                 | 42.90                         |
|          | 5710            | 142     | n (40MHz)        | MCS5      | 36.56                                 | 43.41                         |
|          | 5510            | 102     | be (SU) (40MHz)  | MCS5      | 38.12                                 | 44.26                         |
|          | 5550            | 110     | be (SU) (40MHz)  | MCS3      | 38.04                                 | 44.22                         |
|          | 5710            | 142     | be (SU) (40MHz)  | MCS3      | 38.08                                 | 44.08                         |
|          | 5530            | 106     | ac (80MHz)       | MCS5      | 75.89                                 | 81.40                         |
|          | *5610           | 122     | ac (80MHz)       | MCS5      | 76.03                                 | 81.16                         |
|          | 5690            | 138     | ac (80MHz)       | MCS5      | 76.08                                 | 81.15                         |
|          | 5530            | 106     | be (SU) (80MHz)  | MCS0      | 77.56                                 | 82.30                         |
|          | *5610           | 122     | be (SU) (80MHz)  | MCS5      | 77.71                                 | 82.42                         |
|          | 5690            | 138     | be (SU) (80MHz)  | MCS3      | 77.56                                 | 82.54                         |
|          | *5570           | 114     | ac (160MHz)      | MCS5      | 154.83                                | 163.29                        |
|          | *5570           | 114     | be (SU) (160MHz) | MCS3      | 156.38                                | 164.51                        |

**Table 7-3. Conducted Bandwidth Measurements Antenna WF8**

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

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                              | EUT Type:<br>Tablet Device            | Page 22 of 259                    |

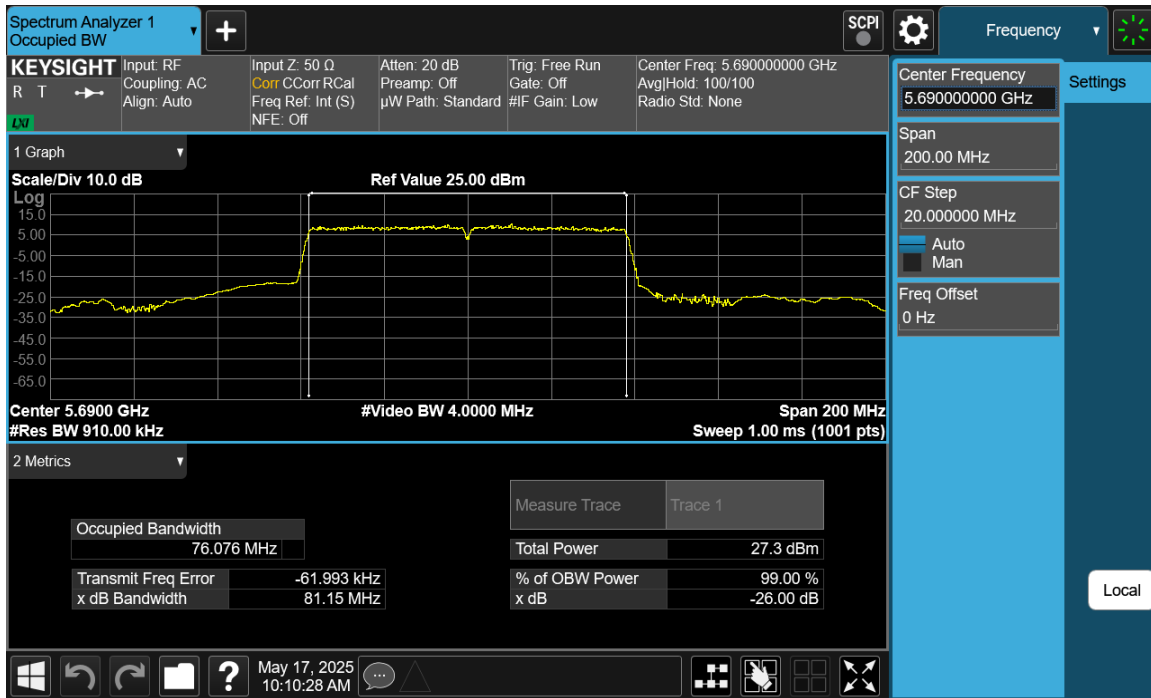
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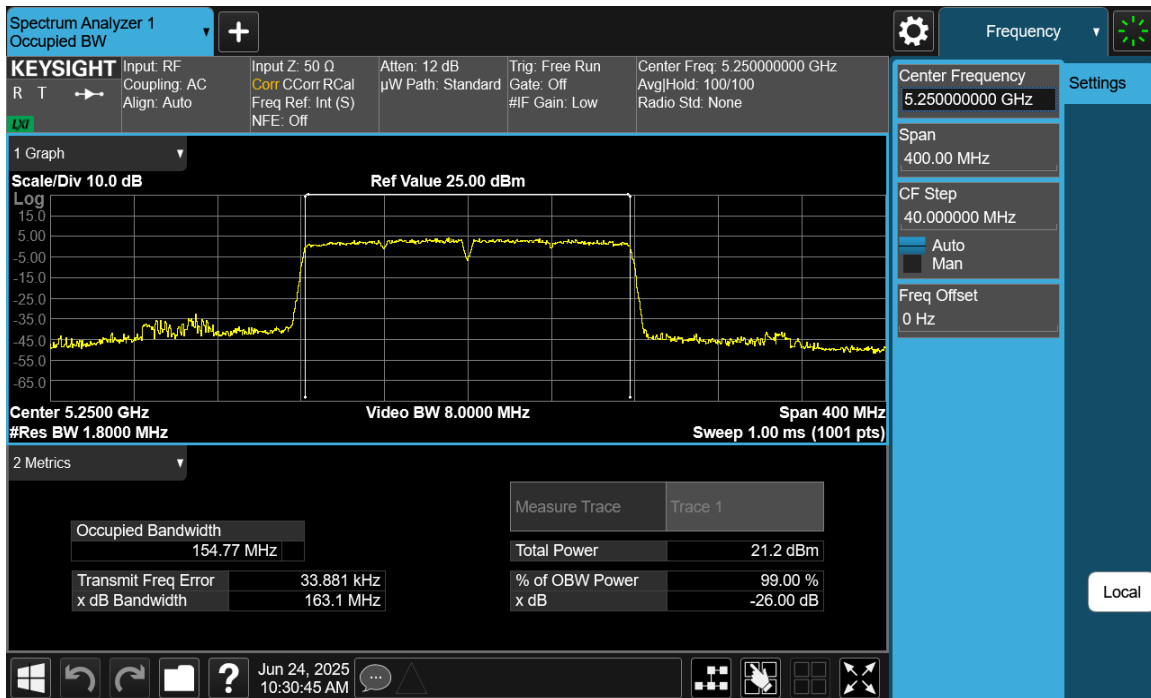
|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                              | EUT Type:<br>Tablet Device            | Page 23 of 259                    |

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Plot 7-7 26dB BW & 99% OBW Antenna WF8 (80MHz BW 802.11ac - Ch.138)



Plot 7-8 26dB BW & 99% OBW Antenna WF8 (160MHz BW 802.11ac - Ch.50)

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                              | EUT Type:<br>Tablet Device            | Page 24 of 259                    |

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## 7.2.3 Antenna WF7 26dB & 99% Bandwidth Measurements

|          | Frequency [MHz] | Channel | 802.11 MODE      | Data Rate | Measured 99% Occupied Bandwidth [MHz] | Measured 26dB Bandwidth [MHz] |
|----------|-----------------|---------|------------------|-----------|---------------------------------------|-------------------------------|
| Band 1   | 5180            | 36      | a                | 36Mbps    | 17.92                                 | 22.36                         |
|          | 5200            | 40      | a                | 36Mbps    | 17.89                                 | 22.38                         |
|          | 5240            | 48      | a                | 36Mbps    | 17.90                                 | 22.35                         |
|          | 5180            | 36      | n (20MHz)        | MCS3      | 17.89                                 | 22.14                         |
|          | 5200            | 40      | n (20MHz)        | MCS5      | 17.88                                 | 22.12                         |
|          | 5240            | 48      | n (20MHz)        | MCS5      | 17.89                                 | 22.25                         |
|          | 5180            | 36      | be (SU) (20MHz)  | MCS3      | 19.07                                 | 22.92                         |
|          | 5200            | 40      | be (SU) (20MHz)  | MCS5      | 19.06                                 | 22.29                         |
|          | 5240            | 48      | be (SU) (20MHz)  | MCS3      | 19.05                                 | 22.26                         |
|          | 5190            | 38      | n (40MHz)        | MCS5      | 36.72                                 | 43.72                         |
|          | 5230            | 46      | n (40MHz)        | MCS3      | 36.68                                 | 43.94                         |
|          | 5190            | 38      | be (SU) (40MHz)  | MCS5      | 38.05                                 | 43.27                         |
|          | 5230            | 46      | be (SU) (40MHz)  | MCS5      | 38.12                                 | 43.19                         |
|          | 5210            | 42      | ac (80MHz)       | MCS5      | 75.97                                 | 81.17                         |
| Band 1/2 | 5210            | 42      | be (SU) (80MHz)  | MCS3      | 77.52                                 | 82.07                         |
|          | 5250            | 50      | ac (160MHz)      | MCS5      | 154.87                                | 162.93                        |
| Band 2A  | 5250            | 50      | be (SU) (160MHz) | MCS0      | 156.66                                | 164.54                        |
|          | 5260            | 52      | a                | 36Mbps    | 17.89                                 | 21.98                         |
|          | 5300            | 60      | a                | 36Mbps    | 17.88                                 | 22.34                         |
|          | 5320            | 64      | a                | 36Mbps    | 17.87                                 | 22.15                         |
|          | 5260            | 52      | n (20MHz)        | MCS5      | 17.90                                 | 22.49                         |
|          | 5300            | 60      | n (20MHz)        | MCS5      | 17.92                                 | 22.06                         |
|          | 5320            | 64      | n (20MHz)        | MCS5      | 17.85                                 | 21.82                         |
|          | 5260            | 52      | be (SU) (20MHz)  | MCS3      | 19.08                                 | 22.65                         |
|          | 5300            | 60      | be (SU) (20MHz)  | MCS3      | 19.10                                 | 22.53                         |
|          | 5320            | 64      | be (SU) (20MHz)  | MCS3      | 19.01                                 | 22.20                         |
|          | 5270            | 54      | n (40MHz)        | MCS3      | 36.82                                 | 44.92                         |
|          | 5310            | 62      | n (40MHz)        | MCS3      | 36.78                                 | 44.10                         |
|          | 5270            | 54      | be (SU) (40MHz)  | MCS5      | 38.09                                 | 44.47                         |
|          | 5310            | 62      | be (SU) (40MHz)  | MCS5      | 38.11                                 | 44.97                         |
|          | 5290            | 58      | ac (80MHz)       | MCS5      | 75.90                                 | 80.93                         |
|          | 5290            | 58      | be (SU) (80MHz)  | MCS0      | 77.61                                 | 82.58                         |
| Band 2C  | 5500            | 100     | a                | 36Mbps    | 17.92                                 | 22.19                         |
|          | 5580            | 116     | a                | 36Mbps    | 17.87                                 | 22.14                         |
|          | 5720            | 144     | a                | 36Mbps    | 17.85                                 | 22.09                         |
|          | 5500            | 100     | n (20MHz)        | MCS3      | 17.90                                 | 22.52                         |
|          | 5580            | 116     | n (20MHz)        | MCS5      | 17.87                                 | 22.50                         |
|          | 5720            | 144     | n (20MHz)        | MCS5      | 17.88                                 | 22.55                         |
|          | 5500            | 100     | be (SU) (20MHz)  | MCS5      | 19.06                                 | 22.86                         |
|          | 5580            | 116     | be (SU) (20MHz)  | MCS3      | 19.05                                 | 22.51                         |
|          | 5720            | 144     | be (SU) (20MHz)  | MCS5      | 19.06                                 | 22.45                         |
|          | 5510            | 102     | n (40MHz)        | MCS3      | 36.70                                 | 43.65                         |
|          | 5550            | 110     | n (40MHz)        | MCS5      | 36.75                                 | 44.02                         |
|          | 5710            | 142     | n (40MHz)        | MCS5      | 36.61                                 | 43.37                         |
|          | 5510            | 102     | be (SU) (40MHz)  | MCS5      | 38.11                                 | 45.08                         |
|          | 5550            | 110     | be (SU) (40MHz)  | MCS0      | 38.19                                 | 43.87                         |
|          | 5710            | 142     | be (SU) (40MHz)  | MCS5      | 38.07                                 | 43.41                         |
|          | 5530            | 106     | ac (80MHz)       | MCS5      | 75.94                                 | 80.99                         |
|          | *5610           | 122     | ac (80MHz)       | MCS5      | 76.13                                 | 81.26                         |
|          | 5690            | 138     | ac (80MHz)       | MCS5      | 76.16                                 | 81.82                         |
|          | 5530            | 106     | be (SU) (80MHz)  | MCS3      | 77.48                                 | 82.50                         |
|          | *5610           | 122     | be (SU) (80MHz)  | MCS5      | 77.65                                 | 82.46                         |
|          | 5690            | 138     | be (SU) (80MHz)  | MCS5      | 77.51                                 | 82.48                         |
|          | *5570           | 114     | ac (160MHz)      | MCS5      | 154.75                                | 163.09                        |
|          | *5570           | 114     | be (SU) (160MHz) | MCS3      | 156.34                                | 164.98                        |

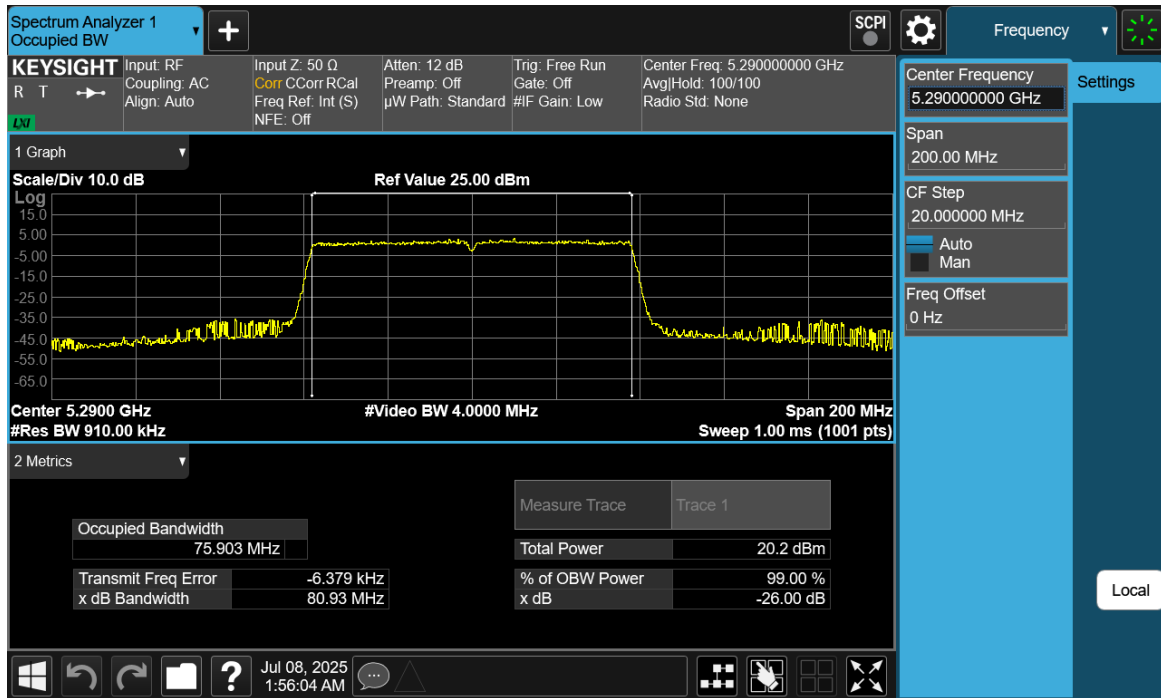
**Table 7-4. Conducted Bandwidth Measurements Antenna WF7**

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

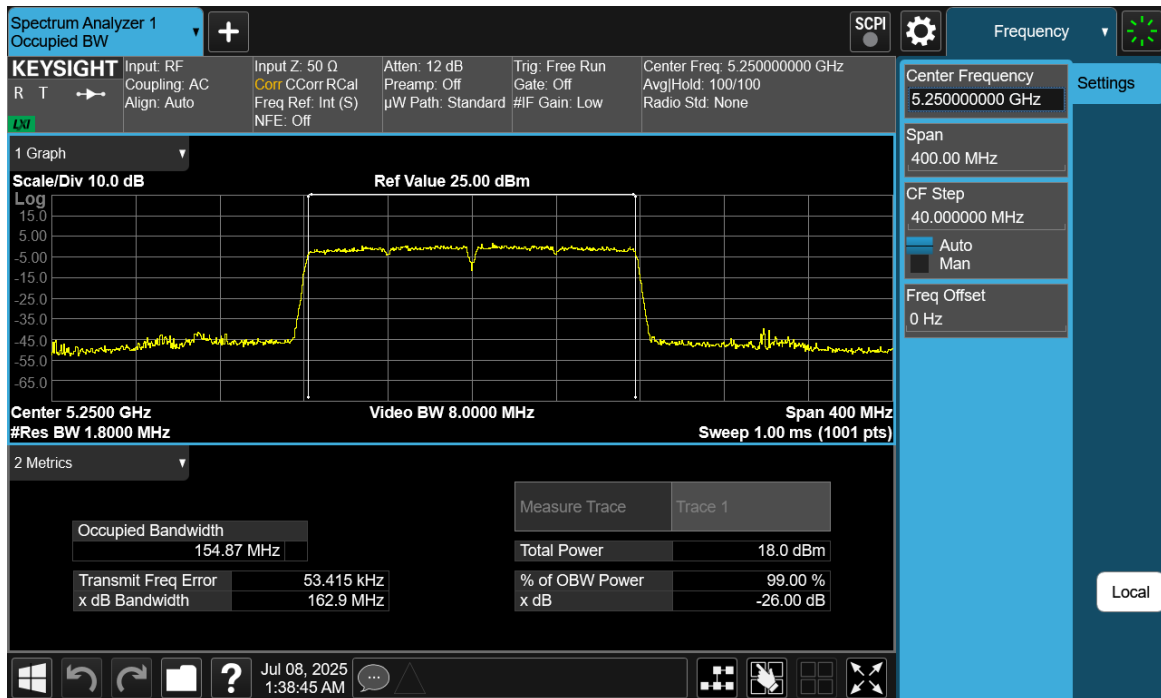
|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                              | EUT Type:<br>Tablet Device            | Page 25 of 259                    |

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Plot 7-11 26dB BW & 99% OBW Antenna WF7 (80MHz BW 802.11ac - Ch.58)



Plot 7-12 26dB BW & 99% OBW Antenna WF7 (160MHz BW 802.11ac - Ch.50)

|                                            |                                        |                                       |                                   |
|--------------------------------------------|----------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         | element                                | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025 | EUT Type:<br>Tablet Device            | Page 27 of 259                    |

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## 7.3 6dB & 99% Bandwidth Measurement

§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 C63.10-2020 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 C63.10-2020 – Section 12.5.1  
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 data rates and channels (low, mid, and high) were investigated, and tabular data provided. Only worst-case plots for each bandwidth are reported.

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                              | EUT Type:<br>Tablet Device            | Page 28 of 259                    |

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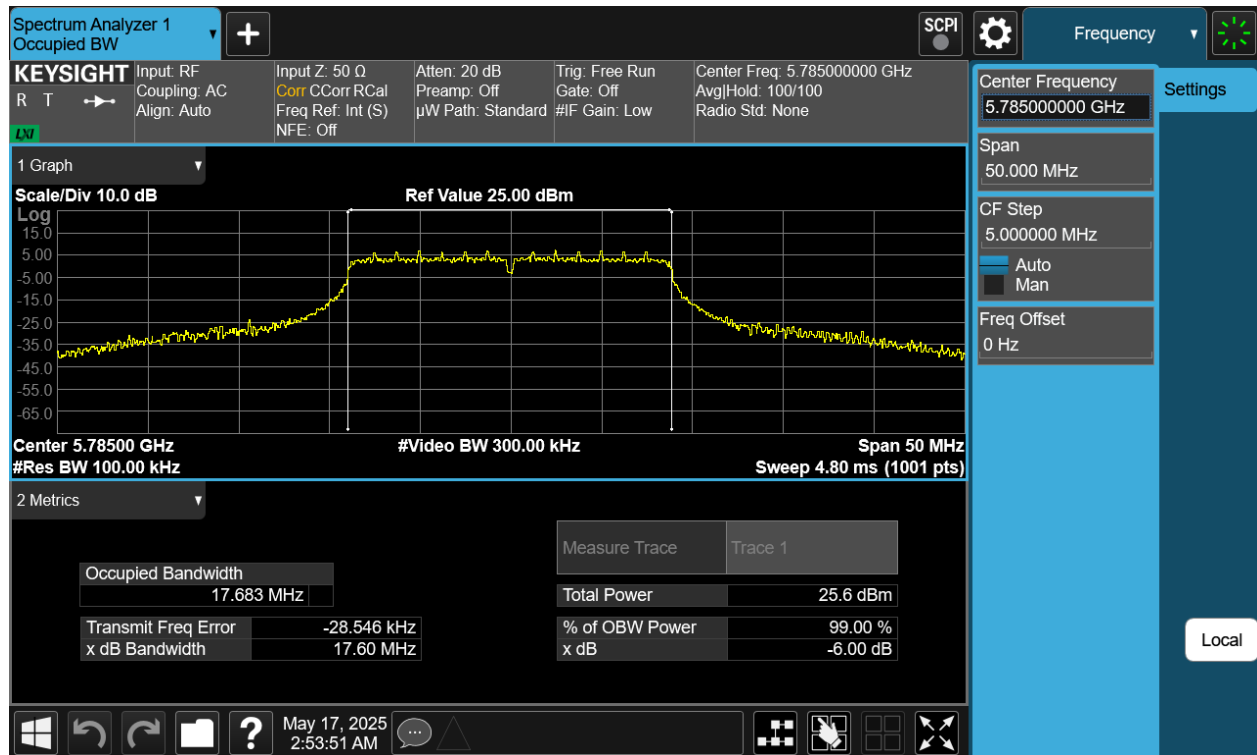
### 7.3.1 Antenna WF5B 6dB & 99% Bandwidth Measurements

|        | Frequency [MHz] | Channel | 802.11 MODE     | Data Rate | Measured 99% Occupied Bandwidth [MHz] | Measured 6dB Bandwidth [MHz] | Minimum 6dB Bandwidth [MHz] | Pass / Fail |
|--------|-----------------|---------|-----------------|-----------|---------------------------------------|------------------------------|-----------------------------|-------------|
| Band 3 | 5745            | 149     | a               | 6Mbps     | 17.69                                 | 17.60                        | 0.50                        | Pass        |
|        | 5785            | 157     | a               | 6Mbps     | 17.69                                 | 17.61                        | 0.50                        | Pass        |
|        | 5825            | 165     | a               | 6Mbps     | 17.68                                 | 17.60                        | 0.50                        | Pass        |
|        | 5745            | 149     | n (20MHz)       | MCS0      | 17.69                                 | 17.60                        | 0.50                        | Pass        |
|        | 5785            | 157     | n (20MHz)       | MCS0      | 17.68                                 | 17.60                        | 0.50                        | Pass        |
|        | 5825            | 165     | n (20MHz)       | MCS0      | 17.68                                 | 17.61                        | 0.50                        | Pass        |
|        | 5745            | 149     | be (SU) (20MHz) | MCS0      | 18.95                                 | 19.05                        | 0.50                        | Pass        |
|        | 5785            | 157     | be (SU) (20MHz) | MCS0      | 18.93                                 | 19.01                        | 0.50                        | Pass        |
|        | 5825            | 165     | be (SU) (20MHz) | MCS0      | 18.94                                 | 19.03                        | 0.50                        | Pass        |
|        | 5755            | 151     | n (40MHz)       | MCS0      | 36.25                                 | 36.42                        | 0.50                        | Pass        |
|        | 5795            | 159     | n (40MHz)       | MCS0      | 36.25                                 | 36.43                        | 0.50                        | Pass        |
|        | 5755            | 151     | be (SU) (40MHz) | MCS0      | 37.85                                 | 38.19                        | 0.50                        | Pass        |
|        | 5795            | 159     | be (SU) (40MHz) | MCS0      | 37.83                                 | 38.16                        | 0.50                        | Pass        |
|        | 5775            | 155     | ac (80MHz)      | MCS0      | 75.64                                 | 76.45                        | 0.50                        | Pass        |
|        | 5775            | 155     | be (SU) (80MHz) | MCS5      | 77.22                                 | 78.16                        | 0.50                        | Pass        |

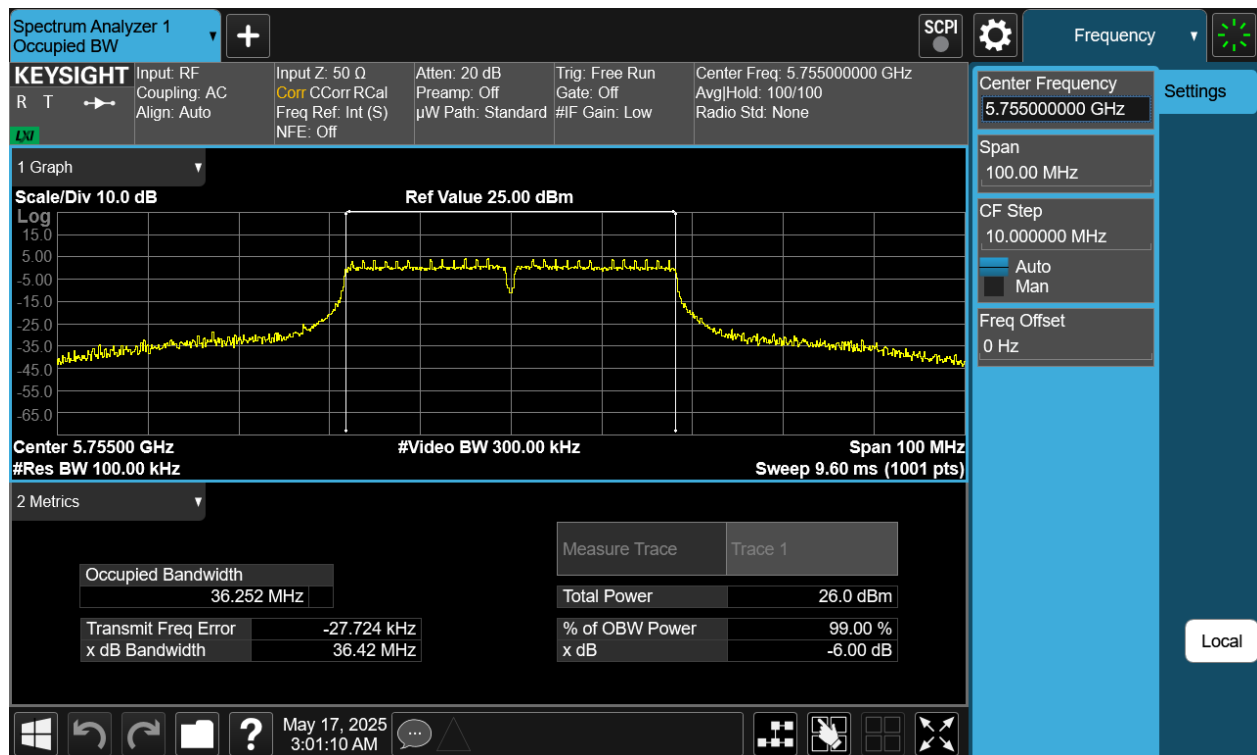
**Table 7-5. Conducted Bandwidth Measurements Antenna WF5B**

|                                            |                                                                                                                                   |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                                                                            | EUT Type:<br>Tablet Device | Page 29 of 259                    |

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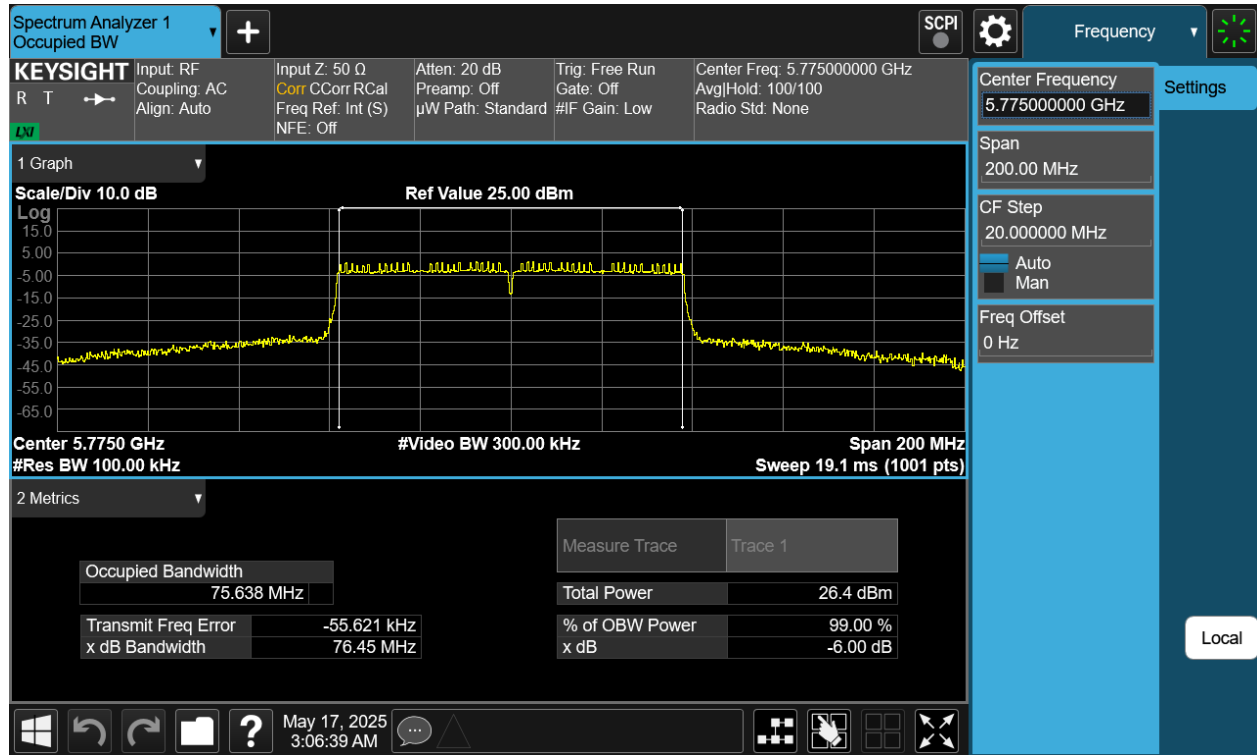


Plot 7-13 6dB BW & 99% OBW Antenna WF5B (20MHz BW 802.11n - Ch.157)



Plot 7-14 6dB BW & 99% OBW Antenna WF5B (40MHz BW 802.11n - Ch.151)

|                                            |                                        |                                       |                                   |
|--------------------------------------------|----------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         | element                                | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025 | EUT Type:<br>Tablet Device            | Page 30 of 259                    |



Plot 7-15 6dB BW & 99% OBW Antenna WF5B (80MHz BW 802.11ac - Ch.155)

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                              | EUT Type:<br>Tablet Device            | Page 31 of 259                    |

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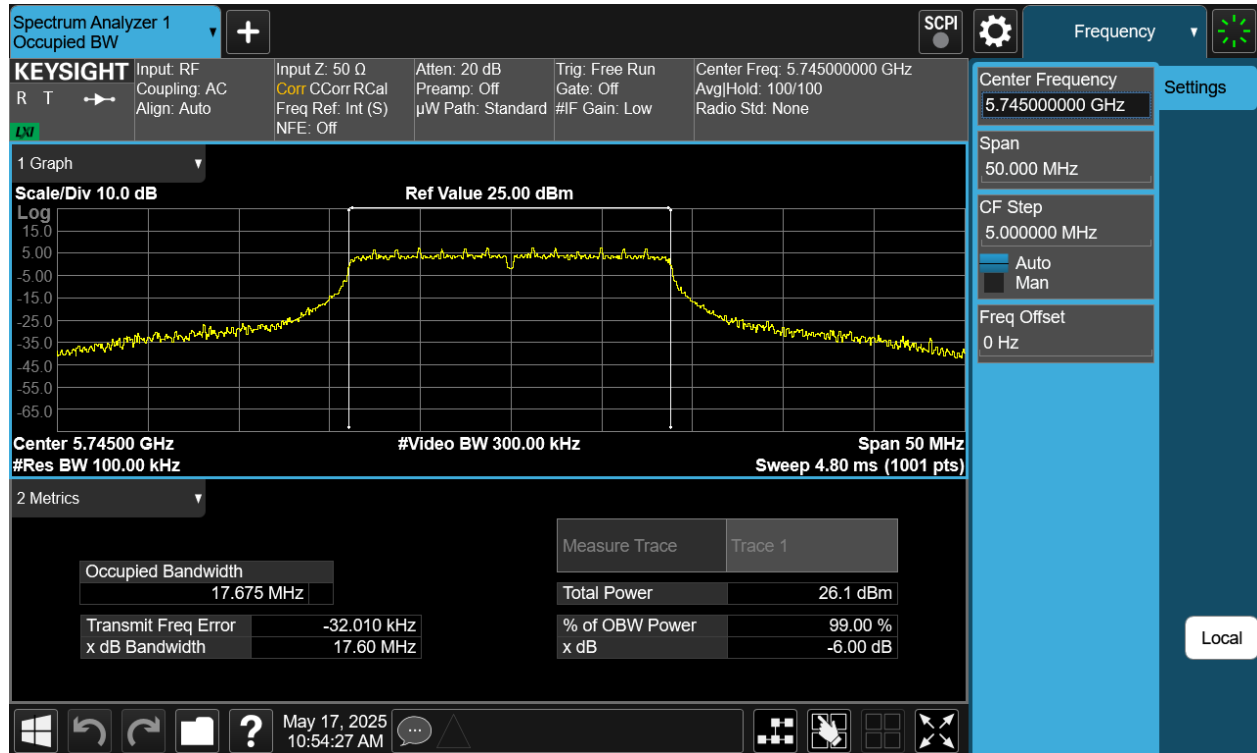
### 7.3.2 Antenna WF8 6dB & 99% Bandwidth Measurements

|        | Frequency [MHz] | Channel | 802.11 MODE     | Data Rate | Measured 99% Occupied Bandwidth [MHz] | Measured 6dB Bandwidth [MHz] | Minimum 6dB Bandwidth [MHz] | Pass / Fail |
|--------|-----------------|---------|-----------------|-----------|---------------------------------------|------------------------------|-----------------------------|-------------|
| Band 3 | 5745            | 149     | a               | 6Mbps     | 17.68                                 | 17.60                        | 0.50                        | Pass        |
|        | 5785            | 157     | a               | 6Mbps     | 17.68                                 | 17.61                        | 0.50                        | Pass        |
|        | 5825            | 165     | a               | 6Mbps     | 17.69                                 | 17.61                        | 0.50                        | Pass        |
|        | 5745            | 149     | n (20MHz)       | MCS0      | 17.69                                 | 17.60                        | 0.50                        | Pass        |
|        | 5785            | 157     | n (20MHz)       | MCS0      | 17.67                                 | 17.60                        | 0.50                        | Pass        |
|        | 5825            | 165     | n (20MHz)       | MCS0      | 17.68                                 | 17.60                        | 0.50                        | Pass        |
|        | 5745            | 149     | be (SU) (20MHz) | MCS0      | 18.93                                 | 19.01                        | 0.50                        | Pass        |
|        | 5785            | 157     | be (SU) (20MHz) | MCS3      | 18.93                                 | 19.03                        | 0.50                        | Pass        |
|        | 5825            | 165     | be (SU) (20MHz) | MCS0      | 18.95                                 | 19.03                        | 0.50                        | Pass        |
|        | 5755            | 151     | n (40MHz)       | MCS0      | 36.24                                 | 36.43                        | 0.50                        | Pass        |
|        | 5795            | 159     | n (40MHz)       | MCS0      | 36.24                                 | 36.41                        | 0.50                        | Pass        |
|        | 5755            | 151     | be (SU) (40MHz) | MCS0      | 37.83                                 | 38.17                        | 0.50                        | Pass        |
|        | 5795            | 159     | be (SU) (40MHz) | MCS0      | 37.83                                 | 38.17                        | 0.50                        | Pass        |
|        | 5775            | 155     | ac (80MHz)      | MCS0      | 75.75                                 | 76.49                        | 0.50                        | Pass        |
|        | 5775            | 155     | be (SU) (80MHz) | MCS0      | 77.29                                 | 78.18                        | 0.50                        | Pass        |

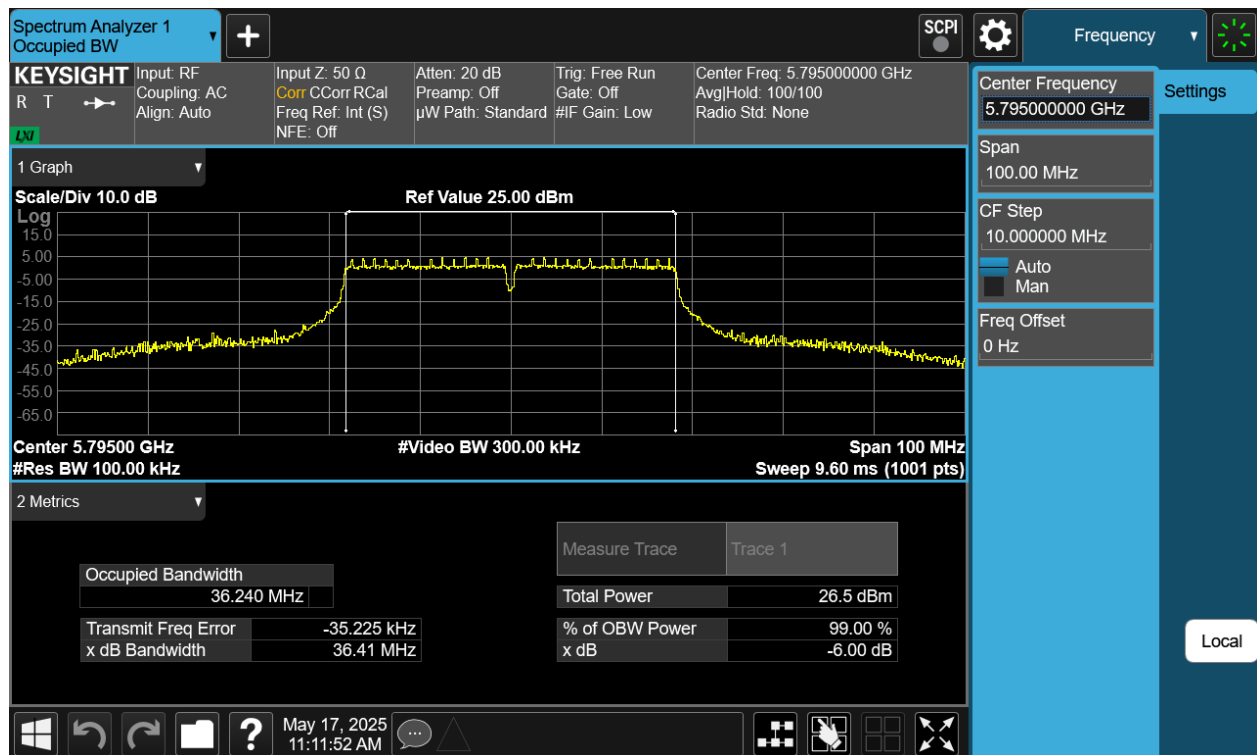
**Table 7-6. Conducted Bandwidth Measurements Antenna WF8**

|                                                   |                                                                                     |                                               |                                          |
|---------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------|------------------------------------------|
| <b>FCC ID:</b> BCGA3357<br><b>IC:</b> 579C-A3357  |  | <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> | <b>Approved by:</b><br>Technical Manager |
| <b>Test Report S/N:</b><br>1C2504170038-13-R1.BCG | <b>Test Dates:</b><br>05/12/2025 - 07/04/2025                                       | <b>EUT Type:</b><br>Tablet Device             | Page 32 of 259                           |

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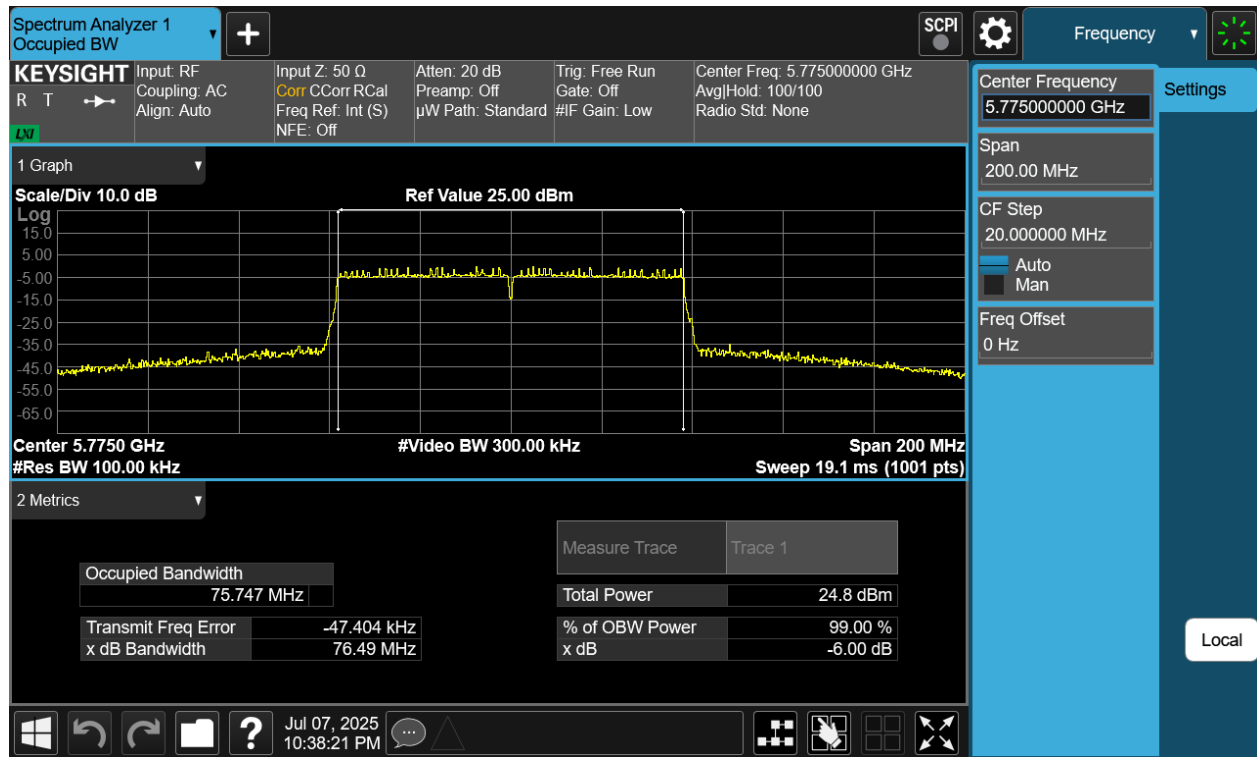


Plot 7-16 6dB BW &amp; 99% OBW Antenna WF8 (20MHz BW 802.11a - Ch.149)



Plot 7-17 6dB BW &amp; 99% OBW Antenna WF8 (40MHz BW 802.11n - Ch.159)

|                                                   |                                                                                                                                   |                                   |                                          |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------------------|
| <b>FCC ID:</b> BCGA3357<br><b>IC:</b> 579C-A3357  |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                                   | <b>Approved by:</b><br>Technical Manager |
| <b>Test Report S/N:</b><br>1C2504170038-13-R1.BCG | <b>Test Dates:</b><br>05/12/2025 - 07/04/2025                                                                                     | <b>EUT Type:</b><br>Tablet Device | Page 33 of 259                           |



Plot 7-18 6dB BW & 99% OBW Antenna WF8 (80MHz BW 802.11ac - Ch.155)

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                              | EUT Type:<br>Tablet Device            | Page 34 of 259                    |

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### 7.3.3 Antenna WF7 6dB & 99% Bandwidth Measurements

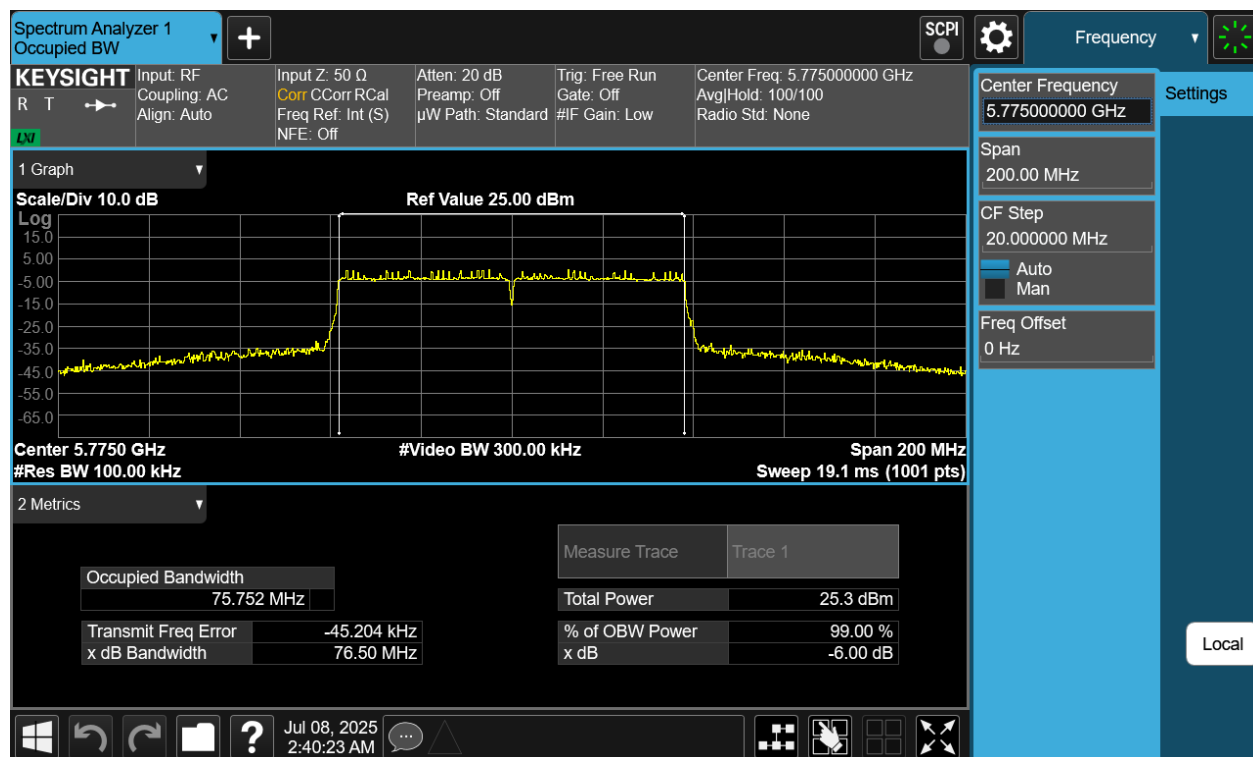
|        | Frequency [MHz] | Channel | 802.11 MODE     | Data Rate | Measured 99% Occupied Bandwidth [MHz] | Measured 6dB Bandwidth [MHz] | Minimum 6dB Bandwidth [MHz] | Pass / Fail |
|--------|-----------------|---------|-----------------|-----------|---------------------------------------|------------------------------|-----------------------------|-------------|
| Band 3 | 5745            | 149     | a               | 6Mbps     | 17.67                                 | 17.61                        | 0.50                        | Pass        |
|        | 5785            | 157     | a               | 6Mbps     | 17.67                                 | 17.60                        | 0.50                        | Pass        |
|        | 5825            | 165     | a               | 6Mbps     | 17.68                                 | 17.60                        | 0.50                        | Pass        |
|        | 5745            | 149     | n (20MHz)       | MCS0      | 17.68                                 | 17.61                        | 0.50                        | Pass        |
|        | 5785            | 157     | n (20MHz)       | MCS0      | 17.69                                 | 17.61                        | 0.50                        | Pass        |
|        | 5825            | 165     | n (20MHz)       | MCS0      | 17.68                                 | 17.61                        | 0.50                        | Pass        |
|        | 5745            | 149     | be (SU) (20MHz) | MCS0      | 18.94                                 | 19.02                        | 0.50                        | Pass        |
|        | 5785            | 157     | be (SU) (20MHz) | MCS0      | 18.92                                 | 18.99                        | 0.50                        | Pass        |
|        | 5825            | 165     | be (SU) (20MHz) | MCS0      | 18.93                                 | 19.03                        | 0.50                        | Pass        |
|        | 5755            | 151     | n (40MHz)       | MCS0      | 36.23                                 | 36.40                        | 0.50                        | Pass        |
|        | 5795            | 159     | n (40MHz)       | MCS0      | 36.23                                 | 36.40                        | 0.50                        | Pass        |
|        | 5755            | 151     | be (SU) (40MHz) | MCS0      | 37.83                                 | 38.17                        | 0.50                        | Pass        |
|        | 5795            | 159     | be (SU) (40MHz) | MCS0      | 37.84                                 | 38.19                        | 0.50                        | Pass        |
|        | 5775            | 155     | ac (80MHz)      | MCS0      | 75.75                                 | 76.50                        | 0.50                        | Pass        |
|        | 5775            | 155     | be (SU) (80MHz) | MCS0      | 77.29                                 | 78.18                        | 0.50                        | Pass        |

**Table 7-7. Conducted Bandwidth Measurements Antenna WF7**

|                                            |                                                                                                                                   |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                                                                            | EUT Type:<br>Tablet Device | Page 35 of 259                    |

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Plot 7-21 6dB BW & 99% OBW Antenna WF7 (80MHz BW 802.11ac - Ch.155)

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                              | EUT Type:<br>Tablet Device            | Page 37 of 259                    |

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## 7.4 Conducted Output Power and Max EIRP Measurement

§15.407(a.1.iv) §15.407(a.2) §15.407(a.3.i); 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 C63.10-2020 and KDB 789033 D02 v02r01, and at the appropriate frequencies. B is the 99% OBW per ISED 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  $11 \text{ dBm} + 10\log_{10}(B)$ . 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  $11 \text{ dBm} + 10\log_{10}(B)$ . 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 C63.10-2020 – Section 12.4.3.2 Method PM-G

KDB 789033 D02 v02r01 – Section E)3)b) Method PM-G

ANSI C63.10-2020 – Section 14.4 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

- 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.

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                              | EUT Type:<br>Tablet Device            | Page 38 of 259                    |

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## 7.4.1 FCC Antenna WF5B Conducted Output Power Measurements

| 5GHz (20MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|-----------|-----------------------|-----------------------------|-----------------------------|
|                        | 5180       | 36      | 36Mbps    | 18.34                 | 23.98                       | -5.64                       |
|                        | 5200       | 40      | 6Mbps     | 19.96                 | 23.98                       | -4.02                       |
|                        | 5240       | 48      | 18Mbps    | 19.79                 | 23.98                       | -4.19                       |
|                        | 5260       | 52      | 36Mbps    | 19.94                 | 23.98                       | -4.04                       |
|                        | 5300       | 60      | 36Mbps    | 19.86                 | 23.98                       | -4.12                       |
|                        | 5320       | 64      | 6Mbps     | 18.31                 | 23.98                       | -5.67                       |
|                        | 5500       | 100     | 6Mbps     | 17.07                 | 23.98                       | -6.91                       |
|                        | 5520       | 104     | 36Mbps    | 19.91                 | 23.98                       | -4.07                       |
|                        | 5540       | 108     | 36Mbps    | 19.96                 | 23.98                       | -4.02                       |
|                        | 5580       | 116     | 18Mbps    | 19.90                 | 23.98                       | -4.08                       |
|                        | 5660       | 132     | 36Mbps    | 19.89                 | 23.98                       | -4.09                       |
|                        | 5680       | 136     | 6Mbps     | 20.00                 | 23.98                       | -3.98                       |
|                        | 5700       | 140     | 6Mbps     | 15.64                 | 23.98                       | -8.34                       |
|                        | 5720       | 144     | 6Mbps     | 19.83                 | 23.98                       | -4.15                       |
|                        | 5745       | 149     | 36Mbps    | 19.66                 | 30.00                       | -10.34                      |
|                        | 5785       | 157     | 18Mbps    | 19.65                 | 30.00                       | -10.35                      |
|                        | 5825       | 165     | 18Mbps    | 19.72                 | 30.00                       | -10.28                      |

Table 7-8. FCC Antenna WF5B 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

| 5GHz (20MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|-----------|-----------------------|-----------------------------|-----------------------------|
|                        | 5180       | 36      | MCS3      | 18.33                 | 23.98                       | -5.65                       |
|                        | 5200       | 40      | MCS5      | 19.74                 | 23.98                       | -4.24                       |
|                        | 5240       | 48      | MCS5      | 19.78                 | 23.98                       | -4.20                       |
|                        | 5260       | 52      | MCS5      | 19.95                 | 23.98                       | -4.03                       |
|                        | 5300       | 60      | MCS5      | 19.85                 | 23.98                       | -4.13                       |
|                        | 5320       | 64      | MCS0      | 18.28                 | 23.98                       | -5.70                       |
|                        | 5500       | 100     | MCS0      | 17.08                 | 23.98                       | -6.90                       |
|                        | 5520       | 104     | MCS5      | 19.99                 | 23.98                       | -3.99                       |
|                        | 5540       | 108     | MCS3      | 19.88                 | 23.98                       | -4.10                       |
|                        | 5580       | 116     | MCS5      | 19.90                 | 23.98                       | -4.08                       |
|                        | 5660       | 132     | MCS3      | 19.77                 | 23.98                       | -4.21                       |
|                        | 5680       | 136     | MCS3      | 19.91                 | 23.98                       | -4.07                       |
|                        | 5700       | 140     | MCS0      | 15.64                 | 23.98                       | -8.34                       |
|                        | 5720       | 144     | MCS5      | 19.83                 | 23.98                       | -4.15                       |
|                        | 5745       | 149     | MCS5      | 19.66                 | 30.00                       | -10.34                      |
|                        | 5785       | 157     | MCS5      | 19.64                 | 30.00                       | -10.36                      |
|                        | 5825       | 165     | MCS5      | 19.72                 | 30.00                       | -10.29                      |

Table 7-9. FCC Antenna WF5B 20MHz BW 802.11n (UNII) Maximum Conducted Output Power

|                                            |                                                                                                                                   |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                                                                            | EUT Type:<br>Tablet Device | Page 39 of 259                    |

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| 5GHz (20MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|-----------|-----------------------|-----------------------------|-----------------------------|
|                        | 5180       | 36      | MCS0      | 17.80                 | 23.98                       | -6.18                       |
|                        | 5200       | 40      | MCS3      | 19.91                 | 23.98                       | -4.07                       |
|                        | 5240       | 48      | MCS3      | 19.99                 | 23.98                       | -3.99                       |
|                        | 5260       | 52      | MCS3      | 19.89                 | 23.98                       | -4.09                       |
|                        | 5300       | 60      | MCS3      | 19.81                 | 23.98                       | -4.17                       |
|                        | 5320       | 64      | MCS0      | 17.87                 | 23.98                       | -6.11                       |
|                        | 5500       | 100     | MCS0      | 16.68                 | 23.98                       | -7.30                       |
|                        | 5520       | 104     | MCS5      | 19.98                 | 23.98                       | -4.00                       |
|                        | 5540       | 108     | MCS5      | 19.97                 | 23.98                       | -4.01                       |
|                        | 5580       | 116     | MCS3      | 19.81                 | 23.98                       | -4.17                       |
|                        | 5660       | 132     | MCS5      | 19.94                 | 23.98                       | -4.04                       |
|                        | 5680       | 136     | MCS3      | 19.64                 | 23.98                       | -4.34                       |
|                        | 5700       | 140     | MCS0      | 14.90                 | 23.98                       | -9.08                       |
|                        | 5720       | 144     | MCS5      | 19.74                 | 23.98                       | -4.24                       |
|                        | 5745       | 149     | MCS3      | 19.88                 | 30.00                       | -10.12                      |
|                        | 5785       | 157     | MCS3      | 19.82                 | 30.00                       | -10.19                      |
|                        | 5825       | 165     | MCS3      | 19.92                 | 30.00                       | -10.08                      |

Table 7-10. FCC Antenna WF5B 20MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

| 5GHz (40MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|-----------|-----------------------|-----------------------------|-----------------------------|
|                        | 5190       | 38      | MCS3      | 15.39                 | 23.98                       | -8.59                       |
|                        | 5230       | 46      | MCS3      | 19.83                 | 23.98                       | -4.15                       |
|                        | 5270       | 54      | MCS0      | 19.90                 | 23.98                       | -4.08                       |
|                        | 5310       | 62      | MCS0      | 15.91                 | 23.98                       | -8.07                       |
|                        | 5510       | 102     | MCS0      | 15.14                 | 23.98                       | -8.84                       |
|                        | 5550       | 110     | MCS3      | 19.55                 | 23.98                       | -4.43                       |
|                        | 5590       | 118     | MCS0      | 19.79                 | 23.98                       | -4.19                       |
|                        | 5630       | 126     | MCS0      | 20.00                 | 23.98                       | -3.98                       |
|                        | 5670       | 134     | MCS0      | 18.42                 | 23.98                       | -5.56                       |
|                        | 5710       | 142     | MCS3      | 19.81                 | 23.98                       | -4.17                       |
|                        | 5755       | 151     | MCS3      | 19.91                 | 30.00                       | -10.10                      |
|                        | 5795       | 159     | MCS3      | 19.88                 | 30.00                       | -10.12                      |

Table 7-11. FCC Antenna WF5B 40MHz BW 802.11n (UNII) Maximum Conducted Output Power

|                                            |                                                                                                                                   |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                                                                            | EUT Type:<br>Tablet Device | Page 40 of 259                    |

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| 5GHz (40MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|-----------|-----------------------|-----------------------------|-----------------------------|
|                        | 5190       | 38      | MCS0      | 14.99                 | 23.98                       | -8.99                       |
|                        | 5230       | 46      | MCS0      | 19.75                 | 23.98                       | -4.23                       |
|                        | 5270       | 54      | MCS0      | 19.92                 | 23.98                       | -4.06                       |
|                        | 5310       | 62      | MCS0      | 15.44                 | 23.98                       | -8.54                       |
|                        | 5510       | 102     | MCS0      | 14.34                 | 23.98                       | -9.64                       |
|                        | 5550       | 110     | MCS0      | 18.47                 | 23.98                       | -5.51                       |
|                        | 5590       | 118     | MCS0      | 19.83                 | 23.98                       | -4.15                       |
|                        | 5630       | 126     | MCS3      | 19.74                 | 23.98                       | -4.24                       |
|                        | 5670       | 134     | MCS0      | 17.98                 | 23.98                       | -6.00                       |
|                        | 5710       | 142     | MCS0      | 19.76                 | 23.98                       | -4.22                       |
|                        | 5755       | 151     | MCS0      | 19.96                 | 30.00                       | -10.04                      |
|                        | 5795       | 159     | MCS0      | 19.88                 | 30.00                       | -10.12                      |

Table 7-12. FCC Antenna WF5B 40MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

| 5GHz (80MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|-----------|-----------------------|-----------------------------|-----------------------------|
|                        | 5210       | 42      | MCS0      | 14.87                 | 23.98                       | -9.11                       |
|                        | 5290       | 58      | MCS0      | 15.79                 | 23.98                       | -8.19                       |
|                        | 5530       | 106     | MCS0      | 13.71                 | 23.98                       | -10.27                      |
|                        | 5610       | 122     | MCS0      | 18.24                 | 23.98                       | -5.74                       |
|                        | 5690       | 138     | MCS5      | 19.81                 | 23.98                       | -4.17                       |
|                        | 5775       | 155     | MCS0      | 19.31                 | 30.00                       | -10.69                      |

Table 7-13. FCC Antenna WF5B 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power

| 5GHz (80MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|-----------|-----------------------|-----------------------------|-----------------------------|
|                        | 5210       | 42      | MCS0      | 14.10                 | 23.98                       | -9.88                       |
|                        | 5290       | 58      | MCS0      | 14.90                 | 23.98                       | -9.08                       |
|                        | 5530       | 106     | MCS0      | 13.21                 | 23.98                       | -10.77                      |
|                        | 5610       | 122     | MCS3      | 17.79                 | 23.98                       | -6.19                       |
|                        | 5690       | 138     | MCS0      | 19.83                 | 23.98                       | -4.15                       |
|                        | 5775       | 155     | MCS0      | 17.81                 | 30.00                       | -12.19                      |

Table 7-14. FCC Antenna WF5B 80MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

| 5GHz (160MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|-------------------------|------------|---------|-----------|-----------------------|-----------------------------|-----------------------------|
|                         | 5250       | 50      | MCS0      | 13.00                 | 23.98                       | -10.98                      |
|                         | 5570       | 114     | MCS0      | 12.90                 | 23.98                       | -11.08                      |

Table 7-15. FCC Antenna WF5B 160MHz BW 802.11ac (UNII) Maximum Conducted Output Power

|                                            |                                                                                                                                   |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                                                                            | EUT Type:<br>Tablet Device | Page 41 of 259                    |

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| 5GHz (160MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|-------------------------|------------|---------|-----------|-----------------------|-----------------------------|-----------------------------|
|                         | 5250       | 50      | MCS5      | 12.80                 | 23.98                       | -11.18                      |
|                         | 5570       | 114     | MCS0      | 12.88                 | 23.98                       | -11.10                      |

**Table 7-16. FCC Antenna WF5B 160MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power**

|                                                   |                                                                                                                                   |                                   |                                          |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------------------|
| <b>FCC ID:</b> BCGA3357<br><b>IC:</b> 579C-A3357  |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                                   | <b>Approved by:</b><br>Technical Manager |
| <b>Test Report S/N:</b><br>1C2504170038-13-R1.BCG | <b>Test Dates:</b><br>05/12/2025 - 07/04/2025                                                                                     | <b>EUT Type:</b><br>Tablet Device | Page 42 of 259                           |

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## 7.4.2 ISED Antenna WF5B Conducted Output Power Measurements

| 5GHz (20MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | 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      | 6Mbps     | 18.43                 | -                           | -                           | 0.30            | 18.73              | 23.01                    | -4.28                |
|                        | 5200       | 40      | 18Mbps    | 19.86                 | -                           | -                           | 0.30            | 20.16              | 23.01                    | -2.85                |
|                        | 5240       | 48      | 36Mbps    | 19.84                 | -                           | -                           | 0.30            | 20.14              | 23.01                    | -2.87                |
|                        | 5260       | 52      | 36Mbps    | 19.94                 | 23.98                       | -4.04                       | 1.30            | 21.24              | 30.00                    | -8.76                |
|                        | 5300       | 60      | 36Mbps    | 19.86                 | 23.98                       | -4.12                       | 1.30            | 21.16              | 30.00                    | -8.84                |
|                        | 5320       | 64      | 6Mbps     | 18.31                 | 23.98                       | -5.67                       | 1.30            | 19.61              | 30.00                    | -10.39               |
|                        | 5500       | 100     | 6Mbps     | 17.07                 | 23.98                       | -6.91                       | 1.40            | 18.47              | 30.00                    | -11.53               |
|                        | 5520       | 104     | 36Mbps    | 19.91                 | 23.98                       | -4.07                       | 1.40            | 21.31              | 30.00                    | -8.69                |
|                        | 5540       | 108     | 36Mbps    | 19.96                 | 23.98                       | -4.02                       | 1.40            | 21.36              | 30.00                    | -8.64                |
|                        | 5580       | 116     | 18Mbps    | 19.90                 | 23.98                       | -4.08                       | 1.40            | 21.30              | 30.00                    | -8.70                |
|                        | 5660       | 132     | 36Mbps    | 19.89                 | 23.98                       | -4.09                       | 1.40            | 21.29              | 30.00                    | -8.71                |
|                        | 5680       | 136     | 6Mbps     | 20.00                 | 23.98                       | -3.98                       | 1.40            | 21.40              | 30.00                    | -8.60                |
|                        | 5700       | 140     | 6Mbps     | 15.64                 | 23.98                       | -8.34                       | 1.40            | 17.04              | 30.00                    | -12.96               |
|                        | 5720       | 144     | 6Mbps     | 19.83                 | 23.98                       | -4.15                       | 1.40            | 21.23              | 30.00                    | -8.77                |
|                        | 5745       | 149     | 36Mbps    | 19.66                 | 30.00                       | -10.34                      | 1.10            | 20.76              | -                        | -                    |
|                        | 5785       | 157     | 18Mbps    | 19.65                 | 30.00                       | -10.35                      | 1.10            | 20.75              | -                        | -                    |
|                        | 5825       | 165     | 18Mbps    | 19.72                 | 30.00                       | -10.28                      | 1.10            | 20.82              | -                        | -                    |

Table 7-17. ISED Antenna WF5B 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

| 5GHz (20MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | 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      | MCS0      | 18.42                 | -                           | -                           | 0.30            | 18.72              | 23.01                    | -4.29                |
|                        | 5200       | 40      | MCS5      | 19.77                 | -                           | -                           | 0.30            | 20.07              | 23.01                    | -2.94                |
|                        | 5240       | 48      | MCS0      | 19.78                 | -                           | -                           | 0.30            | 20.08              | 23.01                    | -2.93                |
|                        | 5260       | 52      | MCS5      | 19.95                 | 23.98                       | -4.03                       | 1.30            | 21.25              | 30.00                    | -8.75                |
|                        | 5300       | 60      | MCS5      | 19.85                 | 23.98                       | -4.13                       | 1.30            | 21.15              | 30.00                    | -8.85                |
|                        | 5320       | 64      | MCS0      | 18.28                 | 23.98                       | -5.70                       | 1.30            | 19.58              | 30.00                    | -10.42               |
|                        | 5500       | 100     | MCS0      | 17.08                 | 23.98                       | -6.90                       | 1.40            | 18.48              | 30.00                    | -11.52               |
|                        | 5520       | 104     | MCS5      | 19.99                 | 23.98                       | -3.99                       | 1.40            | 21.39              | 30.00                    | -8.61                |
|                        | 5540       | 108     | MCS3      | 19.88                 | 23.98                       | -4.10                       | 1.40            | 21.28              | 30.00                    | -8.72                |
|                        | 5580       | 116     | MCS5      | 19.90                 | 23.98                       | -4.08                       | 1.40            | 21.30              | 30.00                    | -8.70                |
|                        | 5660       | 132     | MCS3      | 19.77                 | 23.98                       | -4.21                       | 1.40            | 21.17              | 30.00                    | -8.83                |
|                        | 5680       | 136     | MCS3      | 19.91                 | 23.98                       | -4.07                       | 1.40            | 21.31              | 30.00                    | -8.69                |
|                        | 5700       | 140     | MCS0      | 15.64                 | 23.98                       | -8.34                       | 1.40            | 17.04              | 30.00                    | -12.97               |
|                        | 5720       | 144     | MCS5      | 19.83                 | 23.98                       | -4.15                       | 1.40            | 21.23              | 30.00                    | -8.77                |
|                        | 5745       | 149     | MCS5      | 19.66                 | 30.00                       | -10.34                      | 1.10            | 20.76              | -                        | -                    |
|                        | 5785       | 157     | MCS5      | 19.64                 | 30.00                       | -10.36                      | 1.10            | 20.74              | -                        | -                    |
|                        | 5825       | 165     | MCS5      | 19.72                 | 30.00                       | -10.29                      | 1.10            | 20.82              | -                        | -                    |

Table 7-18. ISED Antenna WF5B 20MHz BW 802.11n (UNII) Maximum Conducted Output Power

| 5GHz (20MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | 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      | MCS0      | 17.95                 | -                           | -                           | 0.30            | 18.25              | 23.01                    | -4.76                |
|                        | 5200       | 40      | MCS0      | 19.78                 | -                           | -                           | 0.30            | 20.08              | 23.01                    | -2.93                |
|                        | 5240       | 48      | MCS5      | 19.78                 | -                           | -                           | 0.30            | 20.08              | 23.01                    | -2.93                |
|                        | 5260       | 52      | MCS3      | 19.89                 | 23.98                       | -4.09                       | 1.30            | 21.19              | 30.00                    | -8.81                |
|                        | 5300       | 60      | MCS3      | 19.81                 | 23.98                       | -4.17                       | 1.30            | 21.11              | 30.00                    | -8.89                |
|                        | 5320       | 64      | MCS0      | 17.87                 | 23.98                       | -6.11                       | 1.30            | 19.17              | 30.00                    | -10.83               |
|                        | 5500       | 100     | MCS0      | 16.68                 | 23.98                       | -7.30                       | 1.40            | 18.08              | 30.00                    | -11.93               |
|                        | 5520       | 104     | MCS5      | 19.98                 | 23.98                       | -4.00                       | 1.40            | 21.38              | 30.00                    | -8.62                |
|                        | 5540       | 108     | MCS5      | 19.97                 | 23.98                       | -4.01                       | 1.40            | 21.37              | 30.00                    | -8.63                |
|                        | 5580       | 116     | MCS3      | 19.81                 | 23.98                       | -4.17                       | 1.40            | 21.21              | 30.00                    | -8.79                |
|                        | 5660       | 132     | MCS5      | 19.94                 | 23.98                       | -4.04                       | 1.40            | 21.34              | 30.00                    | -8.66                |
|                        | 5680       | 136     | MCS3      | 19.64                 | 23.98                       | -4.34                       | 1.40            | 21.04              | 30.00                    | -8.96                |
|                        | 5700       | 140     | MCS0      | 14.90                 | 23.98                       | -9.08                       | 1.40            | 16.30              | 30.00                    | -13.70               |
|                        | 5720       | 144     | MCS5      | 19.74                 | 23.98                       | -4.24                       | 1.40            | 21.14              | 30.00                    | -8.86                |
|                        | 5745       | 149     | MCS3      | 19.88                 | 30.00                       | -10.12                      | 1.10            | 20.98              | -                        | -                    |
|                        | 5785       | 157     | MCS3      | 19.82                 | 30.00                       | -10.19                      | 1.10            | 20.92              | -                        | -                    |
|                        | 5825       | 165     | MCS3      | 19.92                 | 30.00                       | -10.08                      | 1.10            | 21.02              | -                        | -                    |

Table 7-19. ISED Antenna WF5B 20MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                              | EUT Type:<br>Tablet Device            | Page 43 of 259                    |

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| 5GHz (40MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | 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      | MCS0      | 15.39                 | -                           | -                           | 0.30            | 15.69              | 23.01                    | -7.32                |
|                        | 5230       | 46      | MCS3      | 19.83                 | -                           | -                           | 0.30            | 20.13              | 23.01                    | -2.88                |
|                        | 5270       | 54      | MCS0      | 19.90                 | 23.98                       | -4.08                       | 1.30            | 21.20              | 30.00                    | -8.80                |
|                        | 5310       | 62      | MCS0      | 15.91                 | 23.98                       | -8.07                       | 1.30            | 17.21              | 30.00                    | -12.79               |
|                        | 5510       | 102     | MCS0      | 15.14                 | 23.98                       | -8.84                       | 1.40            | 16.54              | 30.00                    | -13.46               |
|                        | 5550       | 110     | MCS3      | 19.55                 | 23.98                       | -4.43                       | 1.40            | 20.95              | 30.00                    | -9.06                |
|                        | 5670       | 134     | MCS0      | 18.42                 | 23.98                       | -5.56                       | 1.40            | 19.82              | 30.00                    | -10.18               |
|                        | 5710       | 142     | MCS3      | 19.81                 | 23.98                       | -4.17                       | 1.40            | 21.21              | 30.00                    | -8.79                |
|                        | 5755       | 151     | MCS3      | 19.91                 | 30.00                       | -10.10                      | 1.10            | 21.01              | -                        | -                    |
|                        | 5795       | 159     | MCS3      | 19.88                 | 30.00                       | -10.12                      | 1.10            | 20.98              | -                        | -                    |

Table 7-20. ISED Antenna WF5B 40MHz BW 802.11n (UNII) Maximum Conducted Output Power

| 5GHz (40MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | 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      | MCS0      | 14.99                 | -                           | -                           | 0.30            | 15.29              | 23.01                    | -7.72                |
|                        | 5230       | 46      | MCS0      | 19.75                 | -                           | -                           | 0.30            | 20.05              | 23.01                    | -2.97                |
|                        | 5270       | 54      | MCS0      | 19.92                 | 23.98                       | -4.06                       | 1.30            | 21.22              | 30.00                    | -8.78                |
|                        | 5310       | 62      | MCS0      | 15.44                 | 23.98                       | -8.54                       | 1.30            | 16.74              | 30.00                    | -13.26               |
|                        | 5510       | 102     | MCS0      | 14.34                 | 23.98                       | -9.64                       | 1.40            | 15.74              | 30.00                    | -14.26               |
|                        | 5550       | 110     | MCS0      | 18.47                 | 23.98                       | -5.51                       | 1.40            | 19.87              | 30.00                    | -10.13               |
|                        | 5670       | 134     | MCS0      | 17.98                 | 23.98                       | -6.00                       | 1.40            | 19.38              | 30.00                    | -10.62               |
|                        | 5710       | 142     | MCS0      | 19.76                 | 23.98                       | -4.22                       | 1.40            | 21.16              | 30.00                    | -8.84                |
|                        | 5755       | 151     | MCS0      | 19.96                 | 30.00                       | -10.04                      | 1.10            | 21.06              | -                        | -                    |
|                        | 5795       | 159     | MCS0      | 19.88                 | 30.00                       | -10.12                      | 1.10            | 20.98              | -                        | -                    |

Table 7-21. ISED Antenna WF5B 40MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

| 5GHz (80MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | 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      | MCS0      | 14.87                 | -                           | -                           | 0.30            | 15.17              | 23.01                    | -7.84                |
|                        | 5290       | 58      | MCS0      | 15.79                 | 23.98                       | -8.19                       | 1.30            | 17.09              | 30.00                    | -12.91               |
|                        | 5530       | 106     | MCS0      | 13.71                 | 23.98                       | -10.27                      | 1.40            | 15.11              | 30.00                    | -14.89               |
|                        | 5690       | 138     | MCS5      | 19.81                 | 23.98                       | -4.17                       | 1.40            | 21.21              | 30.00                    | -8.79                |
|                        | 5775       | 155     | MCS0      | 19.31                 | 30.00                       | -10.69                      | 1.10            | 20.41              | -                        | -                    |

Table 7-22. ISED Antenna WF5B 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power

| 5GHz (80MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | 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      | MCS0      | 14.10                 | -                           | -                           | 0.30            | 14.40              | 23.01                    | -8.61                |
|                        | 5290       | 58      | MCS0      | 14.90                 | 23.98                       | -9.08                       | 1.30            | 16.20              | 30.00                    | -13.80               |
|                        | 5530       | 106     | MCS0      | 13.21                 | 23.98                       | -10.77                      | 1.40            | 14.61              | 30.00                    | -15.39               |
|                        | 5690       | 138     | MCS0      | 19.83                 | 23.98                       | -4.15                       | 1.40            | 21.23              | 30.00                    | -8.77                |
|                        | 5775       | 155     | MCS0      | 17.81                 | 30.00                       | -12.19                      | 1.10            | 18.91              | -                        | -                    |

Table 7-23. ISED Antenna WF5B 80MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

| 5GHz (160MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | 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] |
|-------------------------|------------|---------|-----------|-----------------------|-----------------------------|-----------------------------|-----------------|--------------------|--------------------------|----------------------|
|                         | 5250       | 50      | MCS0      | 13.00                 | 23.98                       | -10.98                      | 0.30            | 13.30              | 23.01                    | -9.71                |

Table 7-24. ISED Antenna WF5B 160MHz BW 802.11ac (UNII) Maximum Conducted Output Power

| 5GHz (160MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | 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] |
|-------------------------|------------|---------|-----------|-----------------------|-----------------------------|-----------------------------|-----------------|--------------------|--------------------------|----------------------|
|                         | 5250       | 50      | MCS0      | 12.80                 | 23.98                       | -11.18                      | 0.30            | 13.10              | 23.01                    | -9.91                |

Table 7-25. ISED Antenna WF5B 160MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

|                                            |                                                                                     |                            |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|----------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  |                            | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                              | EUT Type:<br>Tablet Device | Page 44 of 259                        |                                   |

### 7.4.3 FCC Antenna WF8 Conducted Output Power Measurements

| 5GHz (20MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|-----------|-----------------------|-----------------------------|-----------------------------|
|                        | 5180       | 36      | 6Mbps     | 18.10                 | 23.98                       | -5.88                       |
|                        | 5200       | 40      | 18Mbps    | 20.40                 | 23.98                       | -3.58                       |
|                        | 5240       | 48      | 18Mbps    | 20.41                 | 23.98                       | -3.57                       |
|                        | 5260       | 52      | 6Mbps     | 20.50                 | 23.98                       | -3.48                       |
|                        | 5300       | 60      | 18Mbps    | 20.33                 | 23.98                       | -3.65                       |
|                        | 5320       | 64      | 6Mbps     | 18.14                 | 23.98                       | -5.84                       |
|                        | 5500       | 100     | 6Mbps     | 16.81                 | 23.98                       | -7.17                       |
|                        | 5520       | 104     | 18Mbps    | 20.41                 | 23.98                       | -3.57                       |
|                        | 5540       | 108     | 18Mbps    | 20.36                 | 23.98                       | -3.62                       |
|                        | 5580       | 116     | 6Mbps     | 20.38                 | 23.98                       | -3.60                       |
|                        | 5660       | 132     | 36Mbps    | 20.48                 | 23.98                       | -3.50                       |
|                        | 5680       | 136     | 18Mbps    | 19.16                 | 23.98                       | -4.82                       |
|                        | 5700       | 140     | 6Mbps     | 16.29                 | 23.98                       | -7.69                       |
|                        | 5720       | 144     | 18Mbps    | 20.37                 | 23.98                       | -3.61                       |
|                        | 5745       | 149     | 6Mbps     | 20.47                 | 30.00                       | -9.53                       |
|                        | 5785       | 157     | 6Mbps     | 20.45                 | 30.00                       | -9.55                       |
|                        | 5825       | 165     | 18Mbps    | 20.33                 | 30.00                       | -9.67                       |

Table 7-26. FCC Antenna WF8 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

| 5GHz (20MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|-----------|-----------------------|-----------------------------|-----------------------------|
|                        | 5180       | 36      | MCS0      | 18.12                 | 23.98                       | -5.86                       |
|                        | 5200       | 40      | MCS0      | 20.40                 | 23.98                       | -3.58                       |
|                        | 5240       | 48      | MCS3      | 20.40                 | 23.98                       | -3.58                       |
|                        | 5260       | 52      | MCS3      | 20.32                 | 23.98                       | -3.66                       |
|                        | 5300       | 60      | MCS3      | 20.35                 | 23.98                       | -3.63                       |
|                        | 5320       | 64      | MCS0      | 18.24                 | 23.98                       | -5.74                       |
|                        | 5500       | 100     | MCS0      | 16.92                 | 23.98                       | -7.06                       |
|                        | 5520       | 104     | MCS0      | 20.50                 | 23.98                       | -3.48                       |
|                        | 5540       | 108     | MCS0      | 20.45                 | 23.98                       | -3.53                       |
|                        | 5580       | 116     | MCS0      | 20.35                 | 23.98                       | -3.63                       |
|                        | 5660       | 132     | MCS3      | 20.40                 | 23.98                       | -3.58                       |
|                        | 5680       | 136     | MCS0      | 19.04                 | 23.98                       | -4.94                       |
|                        | 5700       | 140     | MCS0      | 16.28                 | 23.98                       | -7.70                       |
|                        | 5720       | 144     | MCS3      | 20.35                 | 23.98                       | -3.63                       |
|                        | 5745       | 149     | MCS3      | 20.26                 | 30.00                       | -9.74                       |
|                        | 5785       | 157     | MCS3      | 20.22                 | 30.00                       | -9.78                       |
|                        | 5825       | 165     | MCS3      | 20.36                 | 30.00                       | -9.64                       |

Table 7-27. FCC Antenna WF8 20MHz BW 802.11n (UNII) Maximum Conducted Output Power

|                                            |                                                                                                                                   |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                                                                            | EUT Type:<br>Tablet Device | Page 45 of 259                    |

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| 5GHz (20MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|-----------|-----------------------|-----------------------------|-----------------------------|
|                        | 5180       | 36      | MCS0      | 17.65                 | 23.98                       | -6.33                       |
|                        | 5200       | 40      | MCS3      | 20.13                 | 23.98                       | -3.85                       |
|                        | 5240       | 48      | MCS3      | 20.15                 | 23.98                       | -3.83                       |
|                        | 5260       | 52      | MCS3      | 20.31                 | 23.98                       | -3.67                       |
|                        | 5300       | 60      | MCS3      | 20.30                 | 23.98                       | -3.68                       |
|                        | 5320       | 64      | MCS0      | 17.86                 | 23.98                       | -6.12                       |
|                        | 5500       | 100     | MCS3      | 15.79                 | 23.98                       | -8.19                       |
|                        | 5520       | 104     | MCS3      | 20.19                 | 23.98                       | -3.79                       |
|                        | 5540       | 108     | MCS0      | 20.47                 | 23.98                       | -3.51                       |
|                        | 5580       | 116     | MCS0      | 20.32                 | 23.98                       | -3.66                       |
|                        | 5660       | 132     | MCS3      | 20.40                 | 23.98                       | -3.58                       |
|                        | 5680       | 136     | MCS0      | 19.01                 | 23.98                       | -4.97                       |
|                        | 5700       | 140     | MCS0      | 14.99                 | 23.98                       | -8.99                       |
|                        | 5720       | 144     | MCS0      | 20.31                 | 23.98                       | -3.67                       |
|                        | 5745       | 149     | MCS3      | 20.26                 | 30.00                       | -9.74                       |
|                        | 5785       | 157     | MCS3      | 20.21                 | 30.00                       | -9.79                       |
|                        | 5825       | 165     | MCS3      | 20.30                 | 30.00                       | -9.70                       |

Table 7-28. FCC Antenna WF8 20MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

| 5GHz (40MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|-----------|-----------------------|-----------------------------|-----------------------------|
|                        | 5190       | 38      | MCS0      | 15.27                 | 23.98                       | -8.71                       |
|                        | 5230       | 46      | MCS3      | 20.28                 | 23.98                       | -3.70                       |
|                        | 5270       | 54      | MCS0      | 20.27                 | 23.98                       | -3.71                       |
|                        | 5310       | 62      | MCS0      | 16.37                 | 23.98                       | -7.61                       |
|                        | 5510       | 102     | MCS0      | 15.36                 | 23.98                       | -8.62                       |
|                        | 5550       | 110     | MCS0      | 20.34                 | 23.98                       | -3.64                       |
|                        | 5590       | 118     | MCS0      | 20.27                 | 23.98                       | -3.71                       |
|                        | 5630       | 126     | MCS5      | 20.42                 | 23.98                       | -3.56                       |
|                        | 5670       | 134     | MCS0      | 18.29                 | 23.98                       | -5.69                       |
|                        | 5710       | 142     | MCS0      | 20.44                 | 23.98                       | -3.54                       |
|                        | 5755       | 151     | MCS0      | 20.21                 | 30.00                       | -9.79                       |
|                        | 5795       | 159     | MCS0      | 20.17                 | 30.00                       | -9.83                       |

Table 7-29. FCC Antenna WF8 40MHz BW 802.11n (UNII) Maximum Conducted Output Power

|                                            |                                                                                                                                   |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                                                                            | EUT Type:<br>Tablet Device | Page 46 of 259                    |

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| 5GHz (40MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|-----------|-----------------------|-----------------------------|-----------------------------|
|                        | 5190       | 38      | MCS0      | 15.51                 | 23.98                       | -8.47                       |
|                        | 5230       | 46      | MCS5      | 20.45                 | 23.98                       | -3.53                       |
|                        | 5270       | 54      | MCS0      | 20.26                 | 23.98                       | -3.72                       |
|                        | 5310       | 62      | MCS0      | 15.90                 | 23.98                       | -8.08                       |
|                        | 5510       | 102     | MCS0      | 14.30                 | 23.98                       | -9.68                       |
|                        | 5550       | 110     | MCS0      | 20.16                 | 23.98                       | -3.82                       |
|                        | 5590       | 118     | MCS0      | 20.25                 | 23.98                       | -3.73                       |
|                        | 5630       | 126     | MCS3      | 20.38                 | 23.98                       | -3.60                       |
|                        | 5670       | 134     | MCS0      | 17.81                 | 23.98                       | -6.17                       |
|                        | 5710       | 142     | MCS0      | 20.40                 | 23.98                       | -3.58                       |
|                        | 5755       | 151     | MCS0      | 20.23                 | 30.00                       | -9.78                       |
|                        | 5795       | 159     | MCS0      | 20.19                 | 30.00                       | -9.81                       |

Table 7-30. FCC Antenna WF8 40MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

| 5GHz (80MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|-----------|-----------------------|-----------------------------|-----------------------------|
|                        | 5210       | 42      | MCS0      | 14.26                 | 23.98                       | -9.72                       |
|                        | 5290       | 58      | MCS0      | 15.75                 | 23.98                       | -8.23                       |
|                        | 5530       | 106     | MCS3      | 13.99                 | 23.98                       | -9.99                       |
|                        | 5610       | 122     | MCS0      | 18.49                 | 23.98                       | -5.49                       |
|                        | 5690       | 138     | MCS5      | 20.32                 | 23.98                       | -3.66                       |
|                        | 5775       | 155     | MCS0      | 18.51                 | 30.00                       | -11.49                      |

Table 7-31. FCC Antenna WF8 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power

| 5GHz (80MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|-----------|-----------------------|-----------------------------|-----------------------------|
|                        | 5210       | 42      | MCS0      | 14.17                 | 23.98                       | -9.81                       |
|                        | 5290       | 58      | MCS0      | 15.32                 | 23.98                       | -8.66                       |
|                        | 5530       | 106     | MCS0      | 13.33                 | 23.98                       | -10.65                      |
|                        | 5610       | 122     | MCS0      | 18.26                 | 23.98                       | -5.72                       |
|                        | 5690       | 138     | MCS0      | 20.37                 | 23.98                       | -3.61                       |
|                        | 5775       | 155     | MCS0      | 17.73                 | 30.00                       | -12.27                      |

Table 7-32. FCC Antenna WF8 80MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

| 5GHz (160MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|-------------------------|------------|---------|-----------|-----------------------|-----------------------------|-----------------------------|
|                         | 5250       | 50      | MCS0      | 12.74                 | 23.98                       | -11.24                      |
|                         | 5570       | 114     | MCS0      | 12.68                 | 23.98                       | -11.30                      |

Table 7-33. FCC Antenna WF8 160MHz BW 802.11ac (UNII) Maximum Conducted Output Power

|                                            |                                                                                                                               |                            |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  <b>MEASUREMENT REPORT (CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                                                                        | EUT Type:<br>Tablet Device | Page 47 of 259                    |

| 5GHz (160MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|-------------------------|------------|---------|-----------|-----------------------|-----------------------------|-----------------------------|
|                         | 5250       | 50      | MCS0      | 12.14                 | 23.98                       | -11.84                      |
|                         | 5570       | 114     | MCS3      | 12.82                 | 23.98                       | -11.16                      |

**Table 7-34. FCC Antenna WF8 160MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power**

|                                                   |                                                                                                                                   |                                   |                                          |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------------------|
| <b>FCC ID:</b> BCGA3357<br><b>IC:</b> 579C-A3357  |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                                   | <b>Approved by:</b><br>Technical Manager |
| <b>Test Report S/N:</b><br>1C2504170038-13-R1.BCG | <b>Test Dates:</b><br>05/12/2025 - 07/04/2025                                                                                     | <b>EUT Type:</b><br>Tablet Device | Page 48 of 259                           |

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## 7.4.4 ISED Antenna WF8 Conducted Output Power Measurements

| 5GHz (20MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | 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      | 6Mbps     | 18.16                 | -                           | -                           | 1.10            | 19.26              | 23.01                    | -3.75                |
|                        | 5200       | 40      | 18Mbps    | 19.08                 | -                           | -                           | 1.10            | 20.18              | 23.01                    | -2.84                |
|                        | 5240       | 48      | 36Mbps    | 18.94                 | -                           | -                           | 1.10            | 20.04              | 23.01                    | -2.97                |
|                        | 5260       | 52      | 6Mbps     | 20.50                 | 23.98                       | -3.48                       | 0.40            | 20.90              | 30.00                    | -9.10                |
|                        | 5300       | 60      | 18Mbps    | 20.33                 | 23.98                       | -3.65                       | 0.40            | 20.73              | 30.00                    | -9.27                |
|                        | 5320       | 64      | 6Mbps     | 18.14                 | 23.98                       | -5.84                       | 0.40            | 18.54              | 30.00                    | -11.46               |
|                        | 5500       | 100     | 6Mbps     | 16.81                 | 23.98                       | -7.17                       | 0.90            | 17.71              | 30.00                    | -12.30               |
|                        | 5520       | 104     | 18Mbps    | 20.41                 | 23.98                       | -3.57                       | 0.90            | 21.31              | 30.00                    | -8.69                |
|                        | 5540       | 108     | 18Mbps    | 20.36                 | 23.98                       | -3.62                       | 0.90            | 21.26              | 30.00                    | -8.74                |
|                        | 5580       | 116     | 6Mbps     | 20.38                 | 23.98                       | -3.60                       | 0.90            | 21.28              | 30.00                    | -8.72                |
|                        | 5660       | 132     | 36Mbps    | 20.48                 | 23.98                       | -3.50                       | 0.90            | 21.38              | 30.00                    | -8.62                |
|                        | 5680       | 136     | 18Mbps    | 19.16                 | 23.98                       | -4.82                       | 0.90            | 20.06              | 30.00                    | -9.94                |
|                        | 5700       | 140     | 6Mbps     | 16.29                 | 23.98                       | -7.69                       | 0.90            | 17.19              | 30.00                    | -12.81               |
|                        | 5720       | 144     | 18Mbps    | 20.37                 | 23.98                       | -3.61                       | 0.90            | 21.27              | 30.00                    | -8.73                |
|                        | 5745       | 149     | 6Mbps     | 20.47                 | 30.00                       | -9.53                       | -1.40           | 19.07              | -                        | -                    |
|                        | 5785       | 157     | 6Mbps     | 20.45                 | 30.00                       | -9.55                       | -1.40           | 19.05              | -                        | -                    |
|                        | 5825       | 165     | 18Mbps    | 20.33                 | 30.00                       | -9.67                       | -1.40           | 18.93              | -                        | -                    |

Table 7-35. ISED Antenna WF8 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

| 5GHz (20MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | 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      | MCS0      | 18.21                 | -                           | -                           | 1.10            | 19.31              | 23.01                    | -3.70                |
|                        | 5200       | 40      | MCS5      | 19.02                 | -                           | -                           | 1.10            | 20.12              | 23.01                    | -2.90                |
|                        | 5240       | 48      | MCS0      | 18.99                 | -                           | -                           | 1.10            | 20.09              | 23.01                    | -2.92                |
|                        | 5260       | 52      | MCS3      | 20.32                 | 23.98                       | -3.66                       | 0.40            | 20.72              | 30.00                    | -9.28                |
|                        | 5300       | 60      | MCS3      | 20.35                 | 23.98                       | -3.63                       | 0.40            | 20.75              | 30.00                    | -9.26                |
|                        | 5320       | 64      | MCS0      | 18.24                 | 23.98                       | -5.74                       | 0.40            | 18.64              | 30.00                    | -11.37               |
|                        | 5500       | 100     | MCS0      | 16.92                 | 23.98                       | -7.06                       | 0.90            | 17.82              | 30.00                    | -12.18               |
|                        | 5520       | 104     | MCS0      | 20.50                 | 23.98                       | -3.48                       | 0.90            | 21.40              | 30.00                    | -8.60                |
|                        | 5540       | 108     | MCS0      | 20.45                 | 23.98                       | -3.53                       | 0.90            | 21.35              | 30.00                    | -8.65                |
|                        | 5580       | 116     | MCS0      | 20.35                 | 23.98                       | -3.63                       | 0.90            | 21.25              | 30.00                    | -8.75                |
|                        | 5660       | 132     | MCS3      | 20.40                 | 23.98                       | -3.58                       | 0.90            | 21.30              | 30.00                    | -8.70                |
|                        | 5680       | 136     | MCS0      | 19.04                 | 23.98                       | -4.94                       | 0.90            | 19.94              | 30.00                    | -10.06               |
|                        | 5700       | 140     | MCS0      | 16.28                 | 23.98                       | -7.70                       | 0.90            | 17.18              | 30.00                    | -12.83               |
|                        | 5720       | 144     | MCS3      | 20.35                 | 23.98                       | -3.63                       | 0.90            | 21.25              | 30.00                    | -8.75                |
|                        | 5745       | 149     | MCS3      | 20.26                 | 30.00                       | -9.74                       | -1.40           | 18.86              | -                        | -                    |
|                        | 5785       | 157     | MCS3      | 20.22                 | 30.00                       | -9.78                       | -1.40           | 18.82              | -                        | -                    |
|                        | 5825       | 165     | MCS3      | 20.36                 | 30.00                       | -9.64                       | -1.40           | 18.96              | -                        | -                    |

Table 7-36. ISED Antenna WF8 20MHz BW 802.11n (UNII) Maximum Conducted Output Power

| 5GHz (20MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | 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      | MCS0      | 17.98                 | -                           | -                           | 1.10            | 19.08              | 23.01                    | -3.93                |
|                        | 5200       | 40      | MCS3      | 19.09                 | -                           | -                           | 1.10            | 20.19              | 23.01                    | -2.82                |
|                        | 5240       | 48      | MCS3      | 19.10                 | -                           | -                           | 1.10            | 20.20              | 23.01                    | -2.81                |
|                        | 5260       | 52      | MCS3      | 20.31                 | 23.98                       | -3.67                       | 0.40            | 20.71              | 30.00                    | -9.29                |
|                        | 5300       | 60      | MCS3      | 20.30                 | 23.98                       | -3.68                       | 0.40            | 20.70              | 30.00                    | -9.30                |
|                        | 5320       | 64      | MCS0      | 17.86                 | 23.98                       | -6.12                       | 0.40            | 18.26              | 30.00                    | -11.74               |
|                        | 5500       | 100     | MCS3      | 15.79                 | 23.98                       | -8.19                       | 0.90            | 16.69              | 30.00                    | -13.31               |
|                        | 5520       | 104     | MCS3      | 20.19                 | 23.98                       | -3.79                       | 0.90            | 21.09              | 30.00                    | -8.91                |
|                        | 5540       | 108     | MCS0      | 20.47                 | 23.98                       | -3.51                       | 0.90            | 21.37              | 30.00                    | -8.64                |
|                        | 5580       | 116     | MCS0      | 20.32                 | 23.98                       | -3.66                       | 0.90            | 21.22              | 30.00                    | -8.78                |
|                        | 5660       | 132     | MCS3      | 20.40                 | 23.98                       | -3.58                       | 0.90            | 21.30              | 30.00                    | -8.71                |
|                        | 5680       | 136     | MCS0      | 19.01                 | 23.98                       | -4.97                       | 0.90            | 19.91              | 30.00                    | -10.09               |
|                        | 5700       | 140     | MCS0      | 14.99                 | 23.98                       | -8.99                       | 0.90            | 15.89              | 30.00                    | -14.11               |
|                        | 5720       | 144     | MCS0      | 20.31                 | 23.98                       | -3.67                       | 0.90            | 21.21              | 30.00                    | -8.79                |
|                        | 5745       | 149     | MCS3      | 20.26                 | 30.00                       | -9.74                       | -1.40           | 18.86              | -                        | -                    |
|                        | 5785       | 157     | MCS3      | 20.21                 | 30.00                       | -9.79                       | -1.40           | 18.81              | -                        | -                    |
|                        | 5825       | 165     | MCS3      | 20.30                 | 30.00                       | -9.70                       | -1.40           | 18.90              | -                        | -                    |

Table 7-37. ISED Antenna WF8 20MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                              | EUT Type:<br>Tablet Device            | Page 49 of 259                    |

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| 5GHz (40MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | 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      | MCS3      | 15.27                 | -                           | -                           | 1.10            | 16.37              | 23.01                    | -6.64                |
|                        | 5230       | 46      | MCS3      | 20.28                 | -                           | -                           | 1.10            | 21.38              | 23.01                    | -1.63                |
|                        | 5270       | 54      | MCS0      | 20.27                 | 23.98                       | -3.71                       | 0.40            | 20.67              | 30.00                    | -9.33                |
|                        | 5310       | 62      | MCS0      | 16.37                 | 23.98                       | -7.61                       | 0.40            | 16.77              | 30.00                    | -13.24               |
|                        | 5510       | 102     | MCS0      | 15.36                 | 23.98                       | -8.62                       | 0.90            | 16.26              | 30.00                    | -13.74               |
|                        | 5550       | 110     | MCS0      | 20.34                 | 23.98                       | -3.64                       | 0.90            | 21.24              | 30.00                    | -8.76                |
|                        | 5670       | 134     | MCS0      | 18.29                 | 23.98                       | -5.69                       | 0.90            | 19.19              | 30.00                    | -10.81               |
|                        | 5710       | 142     | MCS0      | 20.44                 | 23.98                       | -3.54                       | 0.90            | 21.34              | 30.00                    | -8.66                |
|                        | 5755       | 151     | MCS0      | 20.21                 | 30.00                       | -9.79                       | -1.40           | 18.81              | -                        | -                    |
|                        | 5795       | 159     | MCS0      | 20.17                 | 30.00                       | -9.83                       | -1.40           | 18.77              | -                        | -                    |

Table 7-38. ISED Antenna WF8 40MHz BW 802.11n (UNII) Maximum Conducted Output Power

| 5GHz (40MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | 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      | MCS0      | 15.51                 | -                           | -                           | 1.10            | 16.61              | 23.01                    | -6.40                |
|                        | 5230       | 46      | MCS3      | 20.45                 | -                           | -                           | 1.10            | 21.55              | 23.01                    | -1.46                |
|                        | 5270       | 54      | MCS0      | 20.26                 | 23.98                       | -3.72                       | 0.40            | 20.66              | 30.00                    | -9.34                |
|                        | 5310       | 62      | MCS0      | 15.90                 | 23.98                       | -8.08                       | 0.40            | 16.30              | 30.00                    | -13.71               |
|                        | 5510       | 102     | MCS0      | 14.30                 | 23.98                       | -9.68                       | 0.90            | 15.20              | 30.00                    | -14.80               |
|                        | 5550       | 110     | MCS0      | 20.16                 | 23.98                       | -3.82                       | 0.90            | 21.06              | 30.00                    | -8.94                |
|                        | 5670       | 134     | MCS0      | 17.81                 | 23.98                       | -6.17                       | 0.90            | 18.71              | 30.00                    | -11.29               |
|                        | 5710       | 142     | MCS0      | 20.40                 | 23.98                       | -3.58                       | 0.90            | 21.30              | 30.00                    | -8.70                |
|                        | 5755       | 151     | MCS0      | 20.23                 | 30.00                       | -9.78                       | -1.40           | 18.83              | -                        | -                    |
|                        | 5795       | 159     | MCS0      | 20.19                 | 30.00                       | -9.81                       | -1.40           | 18.79              | -                        | -                    |

Table 7-39. ISED Antenna WF8 40MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

| 5GHz (80MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | 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      | MCS0      | 14.26                 | -                           | -                           | 1.10            | 15.36              | 23.01                    | -7.65                |
|                        | 5290       | 58      | MCS0      | 15.75                 | 23.98                       | -8.23                       | 0.40            | 16.15              | 30.00                    | -13.85               |
|                        | 5530       | 106     | MCS3      | 13.99                 | 23.98                       | -9.99                       | 0.90            | 14.89              | 30.00                    | -15.11               |
|                        | 5690       | 138     | MCS5      | 20.32                 | 23.98                       | -3.66                       | 0.90            | 21.22              | 30.00                    | -8.78                |
|                        | 5775       | 155     | MCS0      | 18.51                 | 30.00                       | -11.49                      | -1.40           | 17.11              | -                        | -                    |

Table 7-40. ISED Antenna WF8 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power

| 5GHz (80MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | 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      | MCS0      | 14.17                 | -                           | -                           | 1.10            | 15.27              | 23.01                    | -7.75                |
|                        | 5290       | 58      | MCS0      | 15.32                 | 23.98                       | -8.66                       | 0.40            | 15.72              | 30.00                    | -14.29               |
|                        | 5530       | 106     | MCS0      | 13.33                 | 23.98                       | -10.65                      | 0.90            | 14.23              | 30.00                    | -15.78               |
|                        | 5690       | 138     | MCS0      | 20.37                 | 23.98                       | -3.61                       | 0.90            | 21.27              | 30.00                    | -8.74                |
|                        | 5775       | 155     | MCS0      | 17.73                 | 30.00                       | -12.27                      | -1.40           | 16.33              | -                        | -                    |

Table 7-41. ISED Antenna WF8 80MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

| 5GHz (160MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | 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] |
|-------------------------|------------|---------|-----------|-----------------------|-----------------------------|-----------------------------|-----------------|--------------------|--------------------------|----------------------|
|                         | 5250       | 50      | MCS0      | 12.74                 | 23.98                       | -11.24                      | 1.10            | 13.84              | 23.01                    | -9.18                |

Table 7-42. ISED Antenna WF8 160MHz BW 802.11ac (UNII) Maximum Conducted Output Power

| 5GHz (160MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | 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] |
|-------------------------|------------|---------|-----------|-----------------------|-----------------------------|-----------------------------|-----------------|--------------------|--------------------------|----------------------|
|                         | 5250       | 50      | MCS0      | 12.14                 | 23.98                       | -11.84                      | 1.10            | 13.24              | 23.01                    | -9.77                |

Table 7-43. ISED Antenna WF8 160MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

|                                            |                                                                                     |                            |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|----------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  |                            | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                              | EUT Type:<br>Tablet Device | Page 50 of 259                        |                                   |

## 7.4.5 FCC Antenna WF7 Conducted Output Power Measurements

| 5GHz (20MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|-----------|-----------------------|-----------------------------|-----------------------------|
|                        | 5180       | 36      | 18Mbps    | 18.46                 | 23.98                       | -5.52                       |
|                        | 5200       | 40      | 6Mbps     | 19.93                 | 23.98                       | -4.05                       |
|                        | 5240       | 48      | 18Mbps    | 19.87                 | 23.98                       | -4.11                       |
|                        | 5260       | 52      | 36Mbps    | 19.76                 | 23.98                       | -4.22                       |
|                        | 5300       | 60      | 36Mbps    | 19.79                 | 23.98                       | -4.19                       |
|                        | 5320       | 64      | 6Mbps     | 18.28                 | 23.98                       | -5.70                       |
|                        | 5500       | 100     | 6Mbps     | 17.04                 | 23.98                       | -6.94                       |
|                        | 5520       | 104     | 18Mbps    | 19.98                 | 23.98                       | -4.00                       |
|                        | 5540       | 108     | 18Mbps    | 19.94                 | 23.98                       | -4.04                       |
|                        | 5580       | 116     | 6Mbps     | 19.72                 | 23.98                       | -4.26                       |
|                        | 5660       | 132     | 36Mbps    | 19.94                 | 23.98                       | -4.04                       |
|                        | 5680       | 136     | 18Mbps    | 19.76                 | 23.98                       | -4.22                       |
|                        | 5700       | 140     | 6Mbps     | 15.63                 | 23.98                       | -8.35                       |
|                        | 5720       | 144     | 6Mbps     | 19.64                 | 23.98                       | -4.34                       |
|                        | 5745       | 149     | 6Mbps     | 19.91                 | 30.00                       | -10.09                      |
|                        | 5785       | 157     | 6Mbps     | 19.89                 | 30.00                       | -10.11                      |
|                        | 5825       | 165     | 6Mbps     | 19.81                 | 30.00                       | -10.19                      |

Table 7-44. FCC Antenna WF7 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

| 5GHz (20MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|-----------|-----------------------|-----------------------------|-----------------------------|
|                        | 5180       | 36      | MCS3      | 18.44                 | 23.98                       | -5.54                       |
|                        | 5200       | 40      | MCS0      | 19.73                 | 23.98                       | -4.25                       |
|                        | 5240       | 48      | MCS5      | 19.88                 | 23.98                       | -4.10                       |
|                        | 5260       | 52      | MCS3      | 19.74                 | 23.98                       | -4.24                       |
|                        | 5300       | 60      | MCS0      | 19.79                 | 23.98                       | -4.19                       |
|                        | 5320       | 64      | MCS0      | 18.29                 | 23.98                       | -5.69                       |
|                        | 5500       | 100     | MCS0      | 16.98                 | 23.98                       | -7.00                       |
|                        | 5520       | 104     | MCS5      | 19.96                 | 23.98                       | -4.02                       |
|                        | 5540       | 108     | MCS5      | 19.95                 | 23.98                       | -4.03                       |
|                        | 5580       | 116     | MCS5      | 19.71                 | 23.98                       | -4.27                       |
|                        | 5660       | 132     | MCS5      | 19.79                 | 23.98                       | -4.19                       |
|                        | 5680       | 136     | MCS0      | 19.67                 | 23.98                       | -4.31                       |
|                        | 5700       | 140     | MCS0      | 15.65                 | 23.98                       | -8.33                       |
|                        | 5720       | 144     | MCS3      | 19.64                 | 23.98                       | -4.34                       |
|                        | 5745       | 149     | MCS3      | 19.88                 | 30.00                       | -10.12                      |
|                        | 5785       | 157     | MCS5      | 19.88                 | 30.00                       | -10.12                      |
|                        | 5825       | 165     | MCS0      | 19.78                 | 30.00                       | -10.22                      |

Table 7-45. FCC Antenna WF7 20MHz BW 802.11n (UNII) Maximum Conducted Output Power

|                                            |                                                                                                                                   |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                                                                            | EUT Type:<br>Tablet Device | Page 51 of 259                    |

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| 5GHz (20MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|-----------|-----------------------|-----------------------------|-----------------------------|
|                        | 5180       | 36      | MCS0      | 17.60                 | 23.98                       | -6.38                       |
|                        | 5200       | 40      | MCS3      | 19.67                 | 23.98                       | -4.31                       |
|                        | 5240       | 48      | MCS5      | 19.81                 | 23.98                       | -4.17                       |
|                        | 5260       | 52      | MCS0      | 19.72                 | 23.98                       | -4.26                       |
|                        | 5300       | 60      | MCS5      | 19.75                 | 23.98                       | -4.23                       |
|                        | 5320       | 64      | MCS0      | 17.79                 | 23.98                       | -6.19                       |
|                        | 5500       | 100     | MCS0      | 16.49                 | 23.98                       | -7.49                       |
|                        | 5520       | 104     | MCS0      | 19.81                 | 23.98                       | -4.17                       |
|                        | 5540       | 108     | MCS0      | 19.81                 | 23.98                       | -4.17                       |
|                        | 5580       | 116     | MCS5      | 19.87                 | 23.98                       | -4.11                       |
|                        | 5660       | 132     | MCS5      | 19.99                 | 23.98                       | -3.99                       |
|                        | 5680       | 136     | MCS0      | 19.66                 | 23.98                       | -4.32                       |
|                        | 5700       | 140     | MCS3      | 14.97                 | 23.98                       | -9.01                       |
|                        | 5720       | 144     | MCS5      | 19.84                 | 23.98                       | -4.14                       |
|                        | 5745       | 149     | MCS0      | 19.84                 | 30.00                       | -10.16                      |
|                        | 5785       | 157     | MCS3      | 19.82                 | 30.00                       | -10.18                      |
|                        | 5825       | 165     | MCS0      | 19.72                 | 30.00                       | -10.28                      |

Table 7-46. FCC Antenna WF7 20MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

| 5GHz (40MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|-----------|-----------------------|-----------------------------|-----------------------------|
|                        | 5190       | 38      | MCS0      | 15.29                 | 23.98                       | -8.69                       |
|                        | 5230       | 46      | MCS0      | 19.94                 | 23.98                       | -4.04                       |
|                        | 5270       | 54      | MCS0      | 19.89                 | 23.98                       | -4.09                       |
|                        | 5310       | 62      | MCS0      | 15.84                 | 23.98                       | -8.14                       |
|                        | 5510       | 102     | MCS0      | 15.31                 | 23.98                       | -8.67                       |
|                        | 5550       | 110     | MCS3      | 19.66                 | 23.98                       | -4.32                       |
|                        | 5590       | 118     | MCS0      | 19.71                 | 23.98                       | -4.27                       |
|                        | 5630       | 126     | MCS5      | 19.88                 | 23.98                       | -4.10                       |
|                        | 5670       | 134     | MCS0      | 18.13                 | 23.98                       | -5.85                       |
|                        | 5710       | 142     | MCS0      | 19.66                 | 23.98                       | -4.32                       |
|                        | 5755       | 151     | MCS0      | 19.83                 | 30.00                       | -10.17                      |
|                        | 5795       | 159     | MCS0      | 19.81                 | 30.00                       | -10.19                      |

Table 7-47. FCC Antenna WF7 40MHz BW 802.11n (UNII) Maximum Conducted Output Power

|                                            |                                                                                                                                   |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                                                                            | EUT Type:<br>Tablet Device | Page 52 of 259                    |

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| 5GHz (40MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|-----------|-----------------------|-----------------------------|-----------------------------|
|                        | 5190       | 38      | MCS0      | 14.84                 | 23.98                       | -9.14                       |
|                        | 5230       | 46      | MCS0      | 19.92                 | 23.98                       | -4.06                       |
|                        | 5270       | 54      | MCS0      | 19.89                 | 23.98                       | -4.09                       |
|                        | 5310       | 62      | MCS0      | 15.22                 | 23.98                       | -8.76                       |
|                        | 5510       | 102     | MCS0      | 14.35                 | 23.98                       | -9.63                       |
|                        | 5550       | 110     | MCS5      | 18.48                 | 23.98                       | -5.50                       |
|                        | 5590       | 118     | MCS0      | 19.73                 | 23.98                       | -4.25                       |
|                        | 5630       | 126     | MCS0      | 19.86                 | 23.98                       | -4.12                       |
|                        | 5670       | 134     | MCS0      | 17.91                 | 23.98                       | -6.07                       |
|                        | 5710       | 142     | MCS5      | 19.65                 | 23.98                       | -4.33                       |
|                        | 5755       | 151     | MCS0      | 19.83                 | 30.00                       | -10.17                      |
|                        | 5795       | 159     | MCS0      | 19.82                 | 30.00                       | -10.18                      |

Table 7-48. FCC Antenna WF7 40MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

| 5GHz (80MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|-----------|-----------------------|-----------------------------|-----------------------------|
|                        | 5210       | 42      | MCS0      | 14.65                 | 23.98                       | -9.33                       |
|                        | 5290       | 58      | MCS0      | 15.65                 | 23.98                       | -8.33                       |
|                        | 5530       | 106     | MCS0      | 13.90                 | 23.98                       | -10.08                      |
|                        | 5610       | 122     | MCS0      | 18.47                 | 23.98                       | -5.51                       |
|                        | 5690       | 138     | MCS5      | 19.98                 | 23.98                       | -4.00                       |
|                        | 5775       | 155     | MCS0      | 19.15                 | 30.00                       | -10.85                      |

Table 7-49. FCC Antenna WF7 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power

| 5GHz (80MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|-----------|-----------------------|-----------------------------|-----------------------------|
|                        | 5210       | 42      | MCS0      | 14.17                 | 23.98                       | -9.81                       |
|                        | 5290       | 58      | MCS0      | 14.80                 | 23.98                       | -9.18                       |
|                        | 5530       | 106     | MCS3      | 13.33                 | 23.98                       | -10.65                      |
|                        | 5610       | 122     | MCS0      | 17.95                 | 23.98                       | -6.03                       |
|                        | 5690       | 138     | MCS0      | 19.75                 | 23.98                       | -4.23                       |
|                        | 5775       | 155     | MCS0      | 17.71                 | 30.00                       | -12.29                      |

Table 7-50. FCC Antenna WF7 80MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

| 5GHz (160MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|-------------------------|------------|---------|-----------|-----------------------|-----------------------------|-----------------------------|
|                         | 5250       | 50      | MCS0      | 12.88                 | 23.98                       | -11.10                      |
|                         | 5570       | 114     | MCS0      | 12.99                 | 23.98                       | -10.99                      |

Table 7-51. FCC Antenna WF7 160MHz BW 802.11ac (UNII) Maximum Conducted Output Power

|                                            |                                                                                                                               |                            |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  <b>MEASUREMENT REPORT (CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                                                                        | EUT Type:<br>Tablet Device | Page 53 of 259                    |

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| 5GHz (160MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | Conducted Power [dBm] | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|-------------------------|------------|---------|-----------|-----------------------|-----------------------------|-----------------------------|
|                         | 5250       | 50      | MCS0      | 12.86                 | 23.98                       | -11.12                      |
|                         | 5570       | 114     | MCS0      | 12.89                 | 23.98                       | -11.09                      |

**Table 7-52. FCC Antenna WF7 160MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power**

|                                                   |                                                                                                                                   |                                   |                                          |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------------------|
| <b>FCC ID:</b> BCGA3357<br><b>IC:</b> 579C-A3357  |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                                   | <b>Approved by:</b><br>Technical Manager |
| <b>Test Report S/N:</b><br>1C2504170038-13-R1.BCG | <b>Test Dates:</b><br>05/12/2025 - 07/04/2025                                                                                     | <b>EUT Type:</b><br>Tablet Device | Page 54 of 259                           |

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## 7.4.6 ISED Antenna WF7 Conducted Output Power Measurements

| 5GHz (20MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | 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      | 36Mbps    | 18.41                 | -                           | -                           | -1.50           | 16.91              | 23.01                    | -6.10                |
|                        | 5200       | 40      | 36Mbps    | 19.98                 | -                           | -                           | -1.50           | 18.48              | 23.01                    | -4.53                |
|                        | 5240       | 48      | 18Mbps    | 19.65                 | -                           | -                           | -1.50           | 18.15              | 23.01                    | -4.86                |
|                        | 5260       | 52      | 36Mbps    | 19.76                 | 23.98                       | -4.22                       | -0.70           | 19.06              | 30.00                    | -10.94               |
|                        | 5300       | 60      | 36Mbps    | 19.79                 | 23.98                       | -4.19                       | -0.70           | 19.09              | 30.00                    | -10.91               |
|                        | 5320       | 64      | 6Mbps     | 18.28                 | 23.98                       | -5.70                       | -0.70           | 17.58              | 30.00                    | -12.42               |
|                        | 5500       | 100     | 6Mbps     | 17.04                 | 23.98                       | -6.94                       | 2.10            | 19.14              | 30.00                    | -10.86               |
|                        | 5520       | 104     | 18Mbps    | 19.98                 | 23.98                       | -4.00                       | 2.10            | 22.08              | 30.00                    | -7.92                |
|                        | 5540       | 108     | 18Mbps    | 19.94                 | 23.98                       | -4.04                       | 2.10            | 22.04              | 30.00                    | -7.96                |
|                        | 5580       | 116     | 6Mbps     | 19.72                 | 23.98                       | -4.26                       | 2.10            | 21.82              | 30.00                    | -8.18                |
|                        | 5660       | 132     | 36Mbps    | 19.94                 | 23.98                       | -4.04                       | 2.10            | 22.04              | 30.00                    | -7.96                |
|                        | 5680       | 136     | 18Mbps    | 19.76                 | 23.98                       | -4.22                       | 2.10            | 21.86              | 30.00                    | -8.14                |
|                        | 5700       | 140     | 6Mbps     | 15.63                 | 23.98                       | -8.35                       | 2.10            | 17.73              | 30.00                    | -12.27               |
|                        | 5720       | 144     | 6Mbps     | 19.64                 | 23.98                       | -4.34                       | 2.10            | 21.74              | 30.00                    | -8.26                |
|                        | 5745       | 149     | 6Mbps     | 19.91                 | 30.00                       | -10.09                      | 1.60            | 21.51              | -                        | -                    |
|                        | 5785       | 157     | 6Mbps     | 19.89                 | 30.00                       | -10.11                      | 1.60            | 21.49              | -                        | -                    |
|                        | 5825       | 165     | 6Mbps     | 19.81                 | 30.00                       | -10.19                      | 1.60            | 21.41              | -                        | -                    |

Table 7-53. ISED Antenna WF7 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

| 5GHz (20MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | 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      | MCS3      | 18.41                 | -                           | -                           | -1.50           | 16.91              | 23.01                    | -6.10                |
|                        | 5200       | 40      | MCS5      | 19.96                 | -                           | -                           | -1.50           | 18.46              | 23.01                    | -4.55                |
|                        | 5240       | 48      | MCS3      | 19.67                 | -                           | -                           | -1.50           | 18.17              | 23.01                    | -4.84                |
|                        | 5260       | 52      | MCS3      | 19.74                 | 23.98                       | -4.24                       | -0.70           | 19.04              | 30.00                    | -10.96               |
|                        | 5300       | 60      | MCS0      | 19.79                 | 23.98                       | -4.19                       | -0.70           | 19.09              | 30.00                    | -10.91               |
|                        | 5320       | 64      | MCS0      | 18.29                 | 23.98                       | -5.69                       | -0.70           | 17.59              | 30.00                    | -12.41               |
|                        | 5500       | 100     | MCS0      | 16.98                 | 23.98                       | -7.00                       | 2.10            | 19.08              | 30.00                    | -10.92               |
|                        | 5520       | 104     | MCS5      | 19.96                 | 23.98                       | -4.02                       | 2.10            | 22.06              | 30.00                    | -7.94                |
|                        | 5540       | 108     | MCS5      | 19.95                 | 23.98                       | -4.03                       | 2.10            | 22.05              | 30.00                    | -7.95                |
|                        | 5580       | 116     | MCS5      | 19.71                 | 23.98                       | -4.27                       | 2.10            | 21.81              | 30.00                    | -8.19                |
|                        | 5660       | 132     | MCS5      | 19.79                 | 23.98                       | -4.19                       | 2.10            | 21.89              | 30.00                    | -8.11                |
|                        | 5680       | 136     | MCS0      | 19.67                 | 23.98                       | -4.31                       | 2.10            | 21.77              | 30.00                    | -8.23                |
|                        | 5700       | 140     | MCS0      | 15.65                 | 23.98                       | -8.33                       | 2.10            | 17.75              | 30.00                    | -12.25               |
|                        | 5720       | 144     | MCS3      | 19.64                 | 23.98                       | -4.34                       | 2.10            | 21.74              | 30.00                    | -8.26                |
|                        | 5745       | 149     | MCS3      | 19.88                 | 30.00                       | -10.12                      | 1.60            | 21.48              | -                        | -                    |
|                        | 5785       | 157     | MCS5      | 19.88                 | 30.00                       | -10.12                      | 1.60            | 21.48              | -                        | -                    |
|                        | 5825       | 165     | MCS0      | 19.78                 | 30.00                       | -10.22                      | 1.60            | 21.38              | -                        | -                    |

Table 7-54. ISED Antenna WF7 20MHz BW 802.11n (UNII) Maximum Conducted Output Power

| 5GHz (20MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | 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      | MCS0      | 17.90                 | -                           | -                           | -1.50           | 16.40              | 23.01                    | -6.61                |
|                        | 5200       | 40      | MCS0      | 19.92                 | -                           | -                           | -1.50           | 18.42              | 23.01                    | -4.59                |
|                        | 5240       | 48      | MCS5      | 19.92                 | -                           | -                           | -1.50           | 18.42              | 23.01                    | -4.59                |
|                        | 5260       | 52      | MCS0      | 19.72                 | 23.98                       | -4.26                       | -0.70           | 19.02              | 30.00                    | -10.98               |
|                        | 5300       | 60      | MCS5      | 19.75                 | 23.98                       | -4.23                       | -0.70           | 19.05              | 30.00                    | -10.95               |
|                        | 5320       | 64      | MCS0      | 17.79                 | 23.98                       | -6.19                       | -0.70           | 17.09              | 30.00                    | -12.91               |
|                        | 5500       | 100     | MCS0      | 16.49                 | 23.98                       | -7.49                       | 2.10            | 18.59              | 30.00                    | -11.41               |
|                        | 5520       | 104     | MCS0      | 19.81                 | 23.98                       | -4.17                       | 2.10            | 21.91              | 30.00                    | -8.09                |
|                        | 5540       | 108     | MCS0      | 19.81                 | 23.98                       | -4.17                       | 2.10            | 21.91              | 30.00                    | -8.09                |
|                        | 5580       | 116     | MCS5      | 19.87                 | 23.98                       | -4.11                       | 2.10            | 21.97              | 30.00                    | -8.03                |
|                        | 5660       | 132     | MCS5      | 19.99                 | 23.98                       | -3.99                       | 2.10            | 22.09              | 30.00                    | -7.91                |
|                        | 5680       | 136     | MCS0      | 19.66                 | 23.98                       | -4.32                       | 2.10            | 21.76              | 30.00                    | -8.24                |
|                        | 5700       | 140     | MCS3      | 14.97                 | 23.98                       | -9.01                       | 2.10            | 17.07              | 30.00                    | -12.93               |
|                        | 5720       | 144     | MCS5      | 19.84                 | 23.98                       | -4.14                       | 2.10            | 21.94              | 30.00                    | -8.06                |
|                        | 5745       | 149     | MCS0      | 19.84                 | 30.00                       | -10.16                      | 1.60            | 21.44              | -                        | -                    |
|                        | 5785       | 157     | MCS3      | 19.82                 | 30.00                       | -10.18                      | 1.60            | 21.42              | -                        | -                    |
|                        | 5825       | 165     | MCS0      | 19.72                 | 30.00                       | -10.28                      | 1.60            | 21.32              | -                        | -                    |

Table 7-55. ISED Antenna WF7 20MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                              | EUT Type:<br>Tablet Device            | Page 55 of 259                    |

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| 5GHz (40MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | 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      | MCS3      | 15.29                 | -                           | -                           | -1.50           | 13.79              | 23.01                    | -9.22                |
|                        | 5230       | 46      | MCS0      | 19.94                 | -                           | -                           | -1.50           | 18.44              | 23.01                    | -4.57                |
|                        | 5270       | 54      | MCS0      | 19.89                 | 23.98                       | -4.09                       | -0.70           | 19.19              | 30.00                    | -10.82               |
|                        | 5310       | 62      | MCS0      | 15.84                 | 23.98                       | -8.14                       | -0.70           | 15.14              | 30.00                    | -14.86               |
|                        | 5510       | 102     | MCS0      | 15.31                 | 23.98                       | -8.67                       | 2.10            | 17.41              | 30.00                    | -12.59               |
|                        | 5550       | 110     | MCS3      | 19.66                 | 23.98                       | -4.32                       | 2.10            | 21.76              | 30.00                    | -8.24                |
|                        | 5670       | 134     | MCS0      | 18.13                 | 23.98                       | -5.85                       | 2.10            | 20.23              | 30.00                    | -9.77                |
|                        | 5710       | 142     | MCS0      | 19.66                 | 23.98                       | -4.32                       | 2.10            | 21.76              | 30.00                    | -8.24                |
|                        | 5755       | 151     | MCS0      | 19.83                 | 30.00                       | -10.17                      | 1.60            | 21.43              | -                        | -                    |
|                        | 5795       | 159     | MCS0      | 19.81                 | 30.00                       | -10.19                      | 1.60            | 21.41              | -                        | -                    |

Table 7-56. ISED Antenna WF7 40MHz BW 802.11n (UNII) Maximum Conducted Output Power

| 5GHz (40MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | 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      | MCS0      | 14.84                 | -                           | -                           | -1.50           | 13.34              | 23.01                    | -9.67                |
|                        | 5230       | 46      | MCS3      | 19.92                 | -                           | -                           | -1.50           | 18.42              | 23.01                    | -4.60                |
|                        | 5270       | 54      | MCS0      | 19.89                 | 23.98                       | -4.09                       | -0.70           | 19.19              | 30.00                    | -10.81               |
|                        | 5310       | 62      | MCS0      | 15.22                 | 23.98                       | -8.76                       | -0.70           | 14.52              | 30.00                    | -15.48               |
|                        | 5510       | 102     | MCS0      | 14.35                 | 23.98                       | -9.63                       | 2.10            | 16.45              | 30.00                    | -13.55               |
|                        | 5550       | 110     | MCS0      | 18.48                 | 23.98                       | -5.50                       | 2.10            | 20.58              | 30.00                    | -9.42                |
|                        | 5670       | 134     | MCS0      | 17.91                 | 23.98                       | -6.07                       | 2.10            | 20.01              | 30.00                    | -9.99                |
|                        | 5710       | 142     | MCS0      | 19.65                 | 23.98                       | -4.33                       | 2.10            | 21.75              | 30.00                    | -8.25                |
|                        | 5755       | 151     | MCS0      | 19.83                 | 30.00                       | -10.17                      | 1.60            | 21.43              | -                        | -                    |
|                        | 5795       | 159     | MCS0      | 19.82                 | 30.00                       | -10.18                      | 1.60            | 21.42              | -                        | -                    |

Table 7-57. ISED Antenna WF7 40MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

| 5GHz (80MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | 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      | MCS0      | 14.65                 | -                           | -                           | -1.50           | 13.15              | 23.01                    | -9.86                |
|                        | 5290       | 58      | MCS0      | 15.65                 | 23.98                       | -8.33                       | -0.70           | 14.95              | 30.00                    | -15.06               |
|                        | 5530       | 106     | MCS0      | 13.90                 | 23.98                       | -10.08                      | 2.10            | 16.00              | 30.00                    | -14.00               |
|                        | 5690       | 138     | MCS5      | 19.98                 | 23.98                       | -4.00                       | 2.10            | 22.08              | 30.00                    | -7.92                |
|                        | 5775       | 155     | MCS0      | 19.15                 | 30.00                       | -10.85                      | 1.60            | 20.75              | -                        | -                    |

Table 7-58. ISED Antenna WF7 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power

| 5GHz (80MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | 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      | MCS0      | 14.17                 | -                           | -                           | -1.50           | 12.67              | 23.01                    | -10.34               |
|                        | 5290       | 58      | MCS0      | 14.80                 | 23.98                       | -9.18                       | -0.70           | 14.10              | 30.00                    | -15.90               |
|                        | 5530       | 106     | MCS3      | 13.33                 | 23.98                       | -10.65                      | 2.10            | 15.43              | 30.00                    | -14.57               |
|                        | 5690       | 138     | MCS0      | 19.75                 | 23.98                       | -4.23                       | 2.10            | 21.85              | 30.00                    | -8.16                |
|                        | 5775       | 155     | MCS0      | 17.71                 | 30.00                       | -12.29                      | 1.60            | 19.31              | -                        | -                    |

Table 7-59. ISED Antenna WF7 80MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

| 5GHz (160MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | 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] |
|-------------------------|------------|---------|-----------|-----------------------|-----------------------------|-----------------------------|-----------------|--------------------|--------------------------|----------------------|
|                         | 5250       | 50      | MCS3      | 12.88                 | 23.98                       | -11.10                      | -0.70           | 12.18              | 23.01                    | -10.83               |

Table 7-60. ISED Antenna WF7 160MHz BW 802.11ac (UNII) Maximum Conducted Output Power

| 5GHz (160MHz Bandwidth) | Freq [MHz] | Channel | Data Rate | 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] |
|-------------------------|------------|---------|-----------|-----------------------|-----------------------------|-----------------------------|-----------------|--------------------|--------------------------|----------------------|
|                         | 5250       | 50      | MCS0      | 12.86                 | 23.98                       | -11.12                      | -0.70           | 12.16              | 23.01                    | -10.85               |

Table 7-61. ISED Antenna WF7 160MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                              | EUT Type:<br>Tablet Device            | Page 56 of 259                    |

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## 7.4.7 FCC CDD Primary Maximum Conducted Output Power Measurements

| 5GHz (20MHz Bandwidth) | Freq [MHz] | Channel | Mode | Data Rate | Conducted Power [dBm] |             |        | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|------|-----------|-----------------------|-------------|--------|-----------------------------|-----------------------------|
|                        |            |         |      |           | Antenna WF5B          | Antenna WF8 | Summed |                             |                             |
|                        | 5180       | 36      | CDD  | 6Mbps     | 16.99                 | 16.93       | 19.97  | 23.98                       | -4.01                       |
|                        | 5200       | 40      | CDD  | 18Mbps    | 18.27                 | 18.22       | 21.25  | 23.98                       | -2.73                       |
|                        | 5240       | 48      | CDD  | 18Mbps    | 18.05                 | 18.03       | 21.05  | 23.98                       | -2.93                       |
|                        | 5260       | 52      | CDD  | 18Mbps    | 18.19                 | 18.11       | 21.16  | 23.98                       | -2.82                       |
|                        | 5300       | 60      | CDD  | 18Mbps    | 18.13                 | 18.10       | 21.12  | 23.98                       | -2.86                       |
|                        | 5320       | 64      | CDD  | 18Mbps    | 16.92                 | 16.88       | 19.91  | 23.98                       | -4.07                       |
|                        | 5500       | 100     | CDD  | 6Mbps     | 16.10                 | 15.81       | 18.97  | 23.98                       | -5.01                       |
|                        | 5520       | 104     | CDD  | 6Mbps     | 17.98                 | 18.04       | 21.02  | 23.98                       | -2.96                       |
|                        | 5540       | 108     | CDD  | 18Mbps    | 18.08                 | 17.87       | 20.99  | 23.98                       | -2.99                       |
|                        | 5580       | 116     | CDD  | 18Mbps    | 18.13                 | 18.20       | 21.17  | 23.98                       | -2.81                       |
|                        | 5660       | 132     | CDD  | 6Mbps     | 18.18                 | 17.99       | 21.10  | 23.98                       | -2.88                       |
|                        | 5680       | 136     | CDD  | 18Mbps    | 17.47                 | 17.37       | 20.43  | 23.98                       | -3.55                       |
|                        | 5700       | 140     | CDD  | 18Mbps    | 14.81                 | 14.91       | 17.87  | 23.98                       | -6.11                       |
|                        | 5720       | 144     | CDD  | 18Mbps    | 18.00                 | 18.05       | 21.03  | 23.98                       | -2.95                       |
|                        | 5745       | 149     | CDD  | 18Mbps    | 19.68                 | 19.81       | 22.76  | 30.00                       | -7.24                       |
|                        | 5785       | 157     | CDD  | 18Mbps    | 19.65                 | 19.80       | 22.73  | 30.00                       | -7.27                       |
|                        | 5825       | 165     | CDD  | 18Mbps    | 19.75                 | 19.89       | 22.83  | 30.00                       | -7.17                       |

Table 7-62. FCC CDD Primary 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

| 5GHz (20MHz Bandwidth) | Freq [MHz] | Channel | Mode | Data Rate | Conducted Power [dBm] |             |        | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|------|-----------|-----------------------|-------------|--------|-----------------------------|-----------------------------|
|                        |            |         |      |           | Antenna WF5B          | Antenna WF8 | Summed |                             |                             |
|                        | 5180       | 36      | CDD  | MCS0      | 16.98                 | 16.94       | 19.97  | 23.98                       | -4.01                       |
|                        | 5200       | 40      | CDD  | MCS0      | 18.00                 | 18.03       | 21.03  | 23.98                       | -2.95                       |
|                        | 5240       | 48      | CDD  | MCS0      | 18.03                 | 18.03       | 21.04  | 23.98                       | -2.94                       |
|                        | 5260       | 52      | CDD  | MCS0      | 18.18                 | 18.18       | 21.19  | 23.98                       | -2.79                       |
|                        | 5300       | 60      | CDD  | MCS0      | 17.84                 | 18.14       | 21.00  | 23.98                       | -2.98                       |
|                        | 5320       | 64      | CDD  | MCS0      | 16.90                 | 16.92       | 19.92  | 23.98                       | -4.06                       |
|                        | 5500       | 100     | CDD  | MCS0      | 16.13                 | 15.85       | 19.00  | 23.98                       | -4.98                       |
|                        | 5520       | 104     | CDD  | MCS5      | 18.07                 | 17.89       | 20.99  | 23.98                       | -2.99                       |
|                        | 5540       | 108     | CDD  | MCS5      | 18.07                 | 17.83       | 20.96  | 23.98                       | -3.02                       |
|                        | 5580       | 116     | CDD  | MCS3      | 18.11                 | 18.20       | 21.17  | 23.98                       | -2.81                       |
|                        | 5660       | 132     | CDD  | MCS5      | 18.04                 | 18.11       | 21.08  | 23.98                       | -2.90                       |
|                        | 5680       | 136     | CDD  | MCS3      | 17.49                 | 17.40       | 20.46  | 23.98                       | -3.52                       |
|                        | 5700       | 140     | CDD  | MCS3      | 14.61                 | 14.97       | 17.80  | 23.98                       | -6.18                       |
|                        | 5720       | 144     | CDD  | MCS0      | 18.10                 | 18.14       | 21.13  | 23.98                       | -2.85                       |
|                        | 5745       | 149     | CDD  | MCS0      | 19.63                 | 19.84       | 22.75  | 30.00                       | -7.25                       |
|                        | 5785       | 157     | CDD  | MCS0      | 19.63                 | 19.81       | 22.73  | 30.00                       | -7.27                       |
|                        | 5825       | 165     | CDD  | MCS0      | 19.69                 | 19.91       | 22.81  | 30.00                       | -7.19                       |

Table 7-63. FCC CDD Primary 20MHz BW 802.11n (UNII) Maximum Conducted Output Power

| 5GHz (20MHz Bandwidth) | Freq [MHz] | Channel | Mode | Data Rate | Conducted Power [dBm] |             |        | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|------|-----------|-----------------------|-------------|--------|-----------------------------|-----------------------------|
|                        |            |         |      |           | Antenna WF5B          | Antenna WF8 | Summed |                             |                             |
|                        | 5180       | 36      | CDD  | MCS0      | 16.65                 | 16.66       | 19.66  | 23.98                       | -4.32                       |
|                        | 5200       | 40      | CDD  | MCS0      | 18.21                 | 18.39       | 21.31  | 23.98                       | -2.67                       |
|                        | 5240       | 48      | CDD  | MCS0      | 18.28                 | 18.26       | 21.28  | 23.98                       | -2.70                       |
|                        | 5260       | 52      | CDD  | MCS0      | 18.29                 | 18.12       | 21.21  | 23.98                       | -2.77                       |
|                        | 5300       | 60      | CDD  | MCS0      | 18.02                 | 18.14       | 21.09  | 23.98                       | -2.89                       |
|                        | 5320       | 64      | CDD  | MCS0      | 16.14                 | 16.33       | 19.24  | 23.98                       | -4.74                       |
|                        | 5500       | 100     | CDD  | MCS3      | 16.00                 | 15.93       | 18.97  | 23.98                       | -5.01                       |
|                        | 5520       | 104     | CDD  | MCS3      | 17.89                 | 17.99       | 20.95  | 23.98                       | -3.03                       |
|                        | 5540       | 108     | CDD  | MCS0      | 18.02                 | 18.24       | 21.14  | 23.98                       | -2.84                       |
|                        | 5580       | 116     | CDD  | MCS3      | 17.98                 | 17.87       | 20.94  | 23.98                       | -3.04                       |
|                        | 5660       | 132     | CDD  | MCS3      | 18.07                 | 18.21       | 21.15  | 23.98                       | -2.83                       |
|                        | 5680       | 136     | CDD  | MCS3      | 16.99                 | 16.97       | 19.99  | 23.98                       | -3.99                       |
|                        | 5700       | 140     | CDD  | MCS0      | 14.41                 | 14.25       | 17.34  | 23.98                       | -6.64                       |
|                        | 5720       | 144     | CDD  | MCS5      | 18.26                 | 18.27       | 21.27  | 23.98                       | -2.71                       |
|                        | 5745       | 149     | CDD  | MCS3      | 19.86                 | 19.75       | 22.82  | 30.00                       | -7.18                       |
|                        | 5785       | 157     | CDD  | MCS0      | 19.80                 | 19.71       | 22.77  | 30.00                       | -7.23                       |
|                        | 5825       | 165     | CDD  | MCS0      | 19.94                 | 19.85       | 22.90  | 30.00                       | -7.10                       |

Table 7-64. FCC CDD Primary 20MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                              | EUT Type:<br>Tablet Device            | Page 57 of 259                    |

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| 5GHz (40MHz Bandwidth) | Freq [MHz] | Channel | Mode | Data Rate | Conducted Power [dBm] |             |        | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|------|-----------|-----------------------|-------------|--------|-----------------------------|-----------------------------|
|                        |            |         |      |           | Antenna WF5B          | Antenna WF8 | Summed |                             |                             |
|                        | 5190       | 38      | CDD  | MCS0      | 14.42                 | 14.41       | 17.43  | 23.98                       | -6.55                       |
|                        | 5230       | 46      | CDD  | MCS0      | 19.82                 | 19.90       | 22.87  | 23.98                       | -1.11                       |
|                        | 5270       | 54      | CDD  | MCS0      | 19.94                 | 19.72       | 22.84  | 23.98                       | -1.14                       |
|                        | 5310       | 62      | CDD  | MCS0      | 14.82                 | 14.77       | 17.80  | 23.98                       | -6.18                       |
|                        | 5510       | 102     | CDD  | MCS0      | 14.69                 | 14.58       | 17.65  | 23.98                       | -6.33                       |
|                        | 5550       | 110     | CDD  | MCS0      | 19.17                 | 19.18       | 22.18  | 23.98                       | -1.80                       |
|                        | 5590       | 118     | CDD  | MCS0      | 19.82                 | 19.79       | 22.81  | 23.98                       | -1.17                       |
|                        | 5630       | 126     | CDD  | MCS5      | 19.98                 | 19.90       | 22.95  | 23.98                       | -1.03                       |
|                        | 5670       | 134     | CDD  | MCS0      | 17.27                 | 17.27       | 20.28  | 23.98                       | -3.70                       |
|                        | 5710       | 142     | CDD  | MCS0      | 19.84                 | 19.98       | 22.92  | 23.98                       | -1.06                       |
|                        | 5755       | 151     | CDD  | MCS0      | 19.70                 | 19.73       | 22.73  | 30.00                       | -7.27                       |
|                        | 5795       | 159     | CDD  | MCS0      | 19.63                 | 19.69       | 22.67  | 30.00                       | -7.33                       |

Table 7-65. FCC CDD Primary 40MHz BW 802.11n (UNII) Maximum Conducted Output Power

| 5GHz (40MHz Bandwidth) | Freq [MHz] | Channel | Mode | Data Rate | Conducted Power [dBm] |             |        | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|------|-----------|-----------------------|-------------|--------|-----------------------------|-----------------------------|
|                        |            |         |      |           | Antenna WF5B          | Antenna WF8 | Summed |                             |                             |
|                        | 5190       | 38      | CDD  | MCS5      | 13.90                 | 13.77       | 16.85  | 23.98                       | -7.13                       |
|                        | 5230       | 46      | CDD  | MCS0      | 19.83                 | 19.90       | 22.87  | 23.98                       | -1.11                       |
|                        | 5270       | 54      | CDD  | MCS0      | 19.90                 | 19.78       | 22.85  | 23.98                       | -1.13                       |
|                        | 5310       | 62      | CDD  | MCS0      | 13.84                 | 13.82       | 16.84  | 23.98                       | -7.14                       |
|                        | 5510       | 102     | CDD  | MCS0      | 13.44                 | 13.41       | 16.43  | 23.98                       | -7.55                       |
|                        | 5550       | 110     | CDD  | MCS5      | 18.34                 | 18.48       | 21.42  | 23.98                       | -2.56                       |
|                        | 5590       | 118     | CDD  | MCS5      | 19.76                 | 19.96       | 22.87  | 23.98                       | -1.11                       |
|                        | 5630       | 126     | CDD  | MCS0      | 19.99                 | 19.91       | 22.96  | 23.98                       | -1.02                       |
|                        | 5670       | 134     | CDD  | MCS0      | 16.76                 | 16.86       | 19.82  | 23.98                       | -4.16                       |
|                        | 5710       | 142     | CDD  | MCS0      | 19.79                 | 19.96       | 22.89  | 23.98                       | -1.09                       |
|                        | 5755       | 151     | CDD  | MCS0      | 19.96                 | 19.72       | 22.85  | 30.00                       | -7.15                       |
|                        | 5795       | 159     | CDD  | MCS0      | 19.89                 | 19.68       | 22.80  | 30.00                       | -7.20                       |

Table 7-66. FCC CDD Primary 40MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

| 5GHz (80MHz Bandwidth) | Freq [MHz] | Channel | Mode | Data Rate | Conducted Power [dBm] |             |        | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|------|-----------|-----------------------|-------------|--------|-----------------------------|-----------------------------|
|                        |            |         |      |           | Antenna WF5B          | Antenna WF8 | Summed |                             |                             |
|                        | 5210       | 42      | CDD  | MCS3      | 13.49                 | 13.14       | 16.33  | 23.98                       | -7.65                       |
|                        | 5290       | 58      | CDD  | MCS0      | 14.11                 | 14.28       | 17.21  | 23.98                       | -6.77                       |
|                        | 5530       | 106     | CDD  | MCS3      | 13.26                 | 13.17       | 16.23  | 23.98                       | -7.75                       |
|                        | 5610       | 122     | CDD  | MCS0      | 17.83                 | 17.98       | 20.91  | 23.98                       | -3.07                       |
|                        | 5690       | 138     | CDD  | MCS0      | 19.83                 | 19.86       | 22.85  | 23.98                       | -1.13                       |
|                        | 5775       | 155     | CDD  | MCS0      | 17.97                 | 17.97       | 20.98  | 30.00                       | -9.02                       |

Table 7-67. FCC CDD Primary 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power

| 5GHz (80MHz Bandwidth) | Freq [MHz] | Channel | Mode | Data Rate | Conducted Power [dBm] |             |        | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|------|-----------|-----------------------|-------------|--------|-----------------------------|-----------------------------|
|                        |            |         |      |           | Antenna WF5B          | Antenna WF8 | Summed |                             |                             |
|                        | 5210       | 42      | CDD  | MCS3      | 12.82                 | 12.81       | 15.83  | 23.98                       | -8.15                       |
|                        | 5290       | 58      | CDD  | MCS3      | 13.76                 | 13.89       | 16.83  | 23.98                       | -7.15                       |
|                        | 5530       | 106     | CDD  | MCS5      | 12.29                 | 12.48       | 15.40  | 23.98                       | -8.58                       |
|                        | 5610       | 122     | CDD  | MCS0      | 16.98                 | 16.69       | 19.85  | 23.98                       | -4.13                       |
|                        | 5690       | 138     | CDD  | MCS0      | 19.83                 | 19.81       | 22.83  | 23.98                       | -1.15                       |
|                        | 5775       | 155     | CDD  | MCS0      | 17.11                 | 16.95       | 20.04  | 30.00                       | -9.96                       |

Table 7-68. FCC CDD Primary 80MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

| 5GHz (160MHz Bandwidth) | Freq [MHz] | Channel | Mode | Data Rate | Conducted Power [dBm] |             |        | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|-------------------------|------------|---------|------|-----------|-----------------------|-------------|--------|-----------------------------|-----------------------------|
|                         |            |         |      |           | Antenna WF5B          | Antenna WF8 | Summed |                             |                             |
|                         | 5250       | 50      | CDD  | MCS0      | 11.97                 | 11.92       | 14.96  | 23.98                       | -9.02                       |
|                         | 5570       | 114     | CDD  | MCS0      | 12.28                 | 12.45       | 15.34  | 23.98                       | -8.64                       |

Table 7-69. FCC CDD Primary 160MHz BW 802.11ac (UNII) Maximum Conducted Output Power

| 5GHz (160MHz Bandwidth) | Freq [MHz] | Channel | Mode | Data Rate | Conducted Power [dBm] |             |        | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|-------------------------|------------|---------|------|-----------|-----------------------|-------------|--------|-----------------------------|-----------------------------|
|                         |            |         |      |           | Antenna WF5B          | Antenna WF8 | Summed |                             |                             |
|                         | 5250       | 50      | CDD  | MCS5      | 11.76                 | 11.72       | 14.75  | 23.98                       | -9.23                       |
|                         | 5570       | 114     | CDD  | MCS0      | 12.46                 | 12.40       | 15.44  | 23.98                       | -8.54                       |

Table 7-70. FCC CDD Primary 160MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

|                                            |                                                                                     |                                       |  |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|--|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                              | EUT Type:<br>Tablet Device            |  | Page 58 of 259                    |

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## 7.4.8 ISED CDD/SDM Primary Maximum Conducted Output Power Measurements

| 5GHz (20MHz Bandwidth) | Freq [MHz] | Channel | Mode | Data Rate | Conducted Power [dBm] |             |        | Conducted Power Limit [dBm] | Conducted Power Margin [dB] | Directional Ant. Gain [dBi] | Max e.i.r.p. [dBm] | Max e.i.r.p. Limit [dBm] | e.i.r.p. Margin [dB] |
|------------------------|------------|---------|------|-----------|-----------------------|-------------|--------|-----------------------------|-----------------------------|-----------------------------|--------------------|--------------------------|----------------------|
|                        |            |         |      |           | Antenna WF5B          | Antenna WF8 | Summed |                             |                             |                             |                    |                          |                      |
|                        |            |         |      |           |                       |             |        |                             |                             |                             |                    |                          |                      |
|                        | 5180       | 36      | CDD  | 6Mbps     | 12.65                 | 12.56       | 15.61  | -                           | -                           | 1.10                        | 16.71              | 23.01                    | -6.30                |
|                        | 5200       | 40      | CDD  | 36Mbps    | 13.39                 | 13.42       | 16.41  | -                           | -                           | 1.10                        | 17.51              | 23.01                    | -5.50                |
|                        | 5240       | 48      | CDD  | 6Mbps     | 13.08                 | 13.38       | 16.24  | -                           | -                           | 1.10                        | 17.34              | 23.01                    | -5.67                |
|                        | 5260       | 52      | CDD  | 18Mbps    | 18.19                 | 18.11       | 21.16  | 23.98                       | -2.82                       | 1.30                        | 22.46              | 30.00                    | -7.54                |
|                        | 5300       | 60      | CDD  | 18Mbps    | 18.13                 | 18.10       | 21.12  | 23.98                       | -2.86                       | 1.30                        | 22.42              | 30.00                    | -7.58                |
|                        | 5320       | 64      | CDD  | 18Mbps    | 16.92                 | 16.68       | 19.91  | 23.98                       | -4.07                       | 1.30                        | 21.21              | 30.00                    | -8.79                |
|                        | 5500       | 100     | CDD  | 6Mbps     | 16.10                 | 15.81       | 18.97  | 23.98                       | -5.01                       | 1.40                        | 20.37              | 30.00                    | -9.63                |
|                        | 5520       | 104     | CDD  | 6Mbps     | 17.98                 | 18.04       | 21.02  | 23.98                       | -2.96                       | 1.40                        | 22.42              | 30.00                    | -7.58                |
|                        | 5540       | 108     | CDD  | 18Mbps    | 18.08                 | 17.87       | 20.99  | 23.98                       | -2.99                       | 1.40                        | 22.39              | 30.00                    | -7.61                |
|                        | 5580       | 116     | CDD  | 18Mbps    | 18.13                 | 18.20       | 21.17  | 23.98                       | -2.81                       | 1.40                        | 22.57              | 30.00                    | -7.43                |
|                        | 5660       | 132     | CDD  | 6Mbps     | 18.18                 | 17.99       | 21.10  | 23.98                       | -2.88                       | 1.40                        | 22.50              | 30.00                    | -7.50                |
|                        | 5680       | 136     | CDD  | 18Mbps    | 17.47                 | 17.37       | 20.43  | 23.98                       | -3.55                       | 1.40                        | 21.83              | 30.00                    | -8.17                |
|                        | 5700       | 140     | CDD  | 18Mbps    | 14.81                 | 14.91       | 17.87  | 23.98                       | -6.11                       | 1.40                        | 19.27              | 30.00                    | -10.73               |
|                        | 5720       | 144     | CDD  | 18Mbps    | 18.00                 | 18.05       | 21.03  | 23.98                       | -2.95                       | 1.40                        | 22.43              | 30.00                    | -7.57                |
|                        | 5745       | 149     | CDD  | 18Mbps    | 19.68                 | 19.81       | 22.76  | 30.00                       | -7.24                       | 1.10                        | 23.86              | -                        | -                    |
|                        | 5785       | 157     | CDD  | 18Mbps    | 19.65                 | 19.80       | 22.73  | 30.00                       | -7.27                       | 1.10                        | 23.83              | -                        | -                    |
|                        | 5825       | 165     | CDD  | 18Mbps    | 19.75                 | 19.89       | 22.83  | 30.00                       | -7.17                       | 1.10                        | 23.93              | -                        | -                    |

Table 7-71. ISED CDD Primary 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

| 5GHz (20MHz Bandwidth) | Freq [MHz] | Channel | Mode | Data Rate | Conducted Power [dBm] |             |        | Conducted Power Limit [dBm] | Conducted Power Margin [dB] | Directional Ant. Gain [dBi] | Max e.i.r.p. [dBm] | Max e.i.r.p. Limit [dBm] | e.i.r.p. Margin [dB] |
|------------------------|------------|---------|------|-----------|-----------------------|-------------|--------|-----------------------------|-----------------------------|-----------------------------|--------------------|--------------------------|----------------------|
|                        |            |         |      |           | Antenna WF5B          | Antenna WF8 | Summed |                             |                             |                             |                    |                          |                      |
|                        |            |         |      |           |                       |             |        |                             |                             |                             |                    |                          |                      |
|                        | 5180       | 36      | SDM  | MCS0      | 15.42                 | 15.63       | 18.54  | -                           | -                           | 0.72                        | 19.26              | 23.01                    | -3.75                |
|                        | 5200       | 40      | SDM  | MCS5      | 16.27                 | 16.28       | 19.28  | -                           | -                           | 0.72                        | 20.00              | 23.01                    | -3.01                |
|                        | 5240       | 48      | SDM  | MCS0      | 16.20                 | 16.02       | 19.12  | -                           | -                           | 0.72                        | 19.84              | 23.01                    | -3.17                |
|                        | 5260       | 52      | CDD  | MCS0      | 18.18                 | 18.18       | 21.19  | 23.98                       | -2.79                       | 1.30                        | 22.49              | 30.00                    | -7.51                |
|                        | 5300       | 60      | CDD  | MCS0      | 17.84                 | 18.14       | 21.00  | 23.98                       | -2.98                       | 1.30                        | 22.30              | 30.00                    | -7.70                |
|                        | 5320       | 64      | CDD  | MCS0      | 16.90                 | 16.92       | 19.92  | 23.98                       | -4.06                       | 1.30                        | 21.22              | 30.00                    | -8.78                |
|                        | 5500       | 100     | CDD  | MCS0      | 16.13                 | 15.85       | 19.00  | 23.98                       | -4.98                       | 1.40                        | 20.40              | 30.00                    | -9.60                |
|                        | 5520       | 104     | CDD  | MCS5      | 18.07                 | 17.89       | 20.99  | 23.98                       | -2.99                       | 1.40                        | 22.39              | 30.00                    | -7.61                |
|                        | 5540       | 108     | CDD  | MCS5      | 18.07                 | 17.83       | 20.96  | 23.98                       | -3.02                       | 1.40                        | 22.36              | 30.00                    | -7.64                |
|                        | 5580       | 116     | CDD  | MCS3      | 18.11                 | 18.20       | 21.17  | 23.98                       | -2.81                       | 1.40                        | 22.57              | 30.00                    | -7.43                |
|                        | 5660       | 132     | CDD  | MCS3      | 18.04                 | 18.11       | 21.08  | 23.98                       | -2.90                       | 1.40                        | 22.48              | 30.00                    | -7.52                |
|                        | 5680       | 136     | CDD  | MCS3      | 17.49                 | 17.40       | 20.46  | 23.98                       | -3.52                       | 1.40                        | 21.86              | 30.00                    | -8.14                |
|                        | 5700       | 140     | CDD  | MCS3      | 14.61                 | 14.97       | 17.80  | 23.98                       | -6.18                       | 1.40                        | 19.20              | 30.00                    | -10.80               |
|                        | 5720       | 144     | CDD  | MCS0      | 18.10                 | 18.14       | 21.13  | 23.98                       | -2.85                       | 1.40                        | 22.53              | 30.00                    | -7.47                |
|                        | 5745       | 149     | CDD  | MCS0      | 19.63                 | 19.84       | 22.75  | 30.00                       | -7.25                       | 1.10                        | 23.85              | -                        | -                    |
|                        | 5785       | 157     | CDD  | MCS0      | 19.63                 | 19.81       | 22.73  | 30.00                       | -7.27                       | 1.10                        | 23.83              | -                        | -                    |
|                        | 5825       | 165     | CDD  | MCS0      | 19.69                 | 19.91       | 22.81  | 30.00                       | -7.19                       | 1.10                        | 23.91              | -                        | -                    |

Table 7-72. ISED CDD/SDM Primary 20MHz BW 802.11n (UNII) Maximum Conducted Output Power

| 5GHz (20MHz Bandwidth) | Freq [MHz] | Channel | Mode | Data Rate | Conducted Power [dBm] |             |        | Conducted Power Limit [dBm] | Conducted Power Margin [dB] | Directional Ant. Gain [dBi] | Max e.i.r.p. [dBm] | Max e.i.r.p. Limit [dBm] | e.i.r.p. Margin [dB] |
|------------------------|------------|---------|------|-----------|-----------------------|-------------|--------|-----------------------------|-----------------------------|-----------------------------|--------------------|--------------------------|----------------------|
|                        |            |         |      |           | Antenna WF5B          | Antenna WF8 | Summed |                             |                             |                             |                    |                          |                      |
|                        |            |         |      |           |                       |             |        |                             |                             |                             |                    |                          |                      |
|                        | 5180       | 36      | SDM  | MCS3      | 15.67                 | 15.56       | 18.62  | -                           | -                           | 0.72                        | 19.34              | 23.01                    | -3.67                |
|                        | 5200       | 40      | SDM  | MCS5      | 16.51                 | 16.35       | 19.44  | -                           | -                           | 0.72                        | 20.16              | 23.01                    | -2.85                |
|                        | 5240       | 48      | SDM  | MCS0      | 16.49                 | 16.23       | 19.37  | -                           | -                           | 0.72                        | 20.09              | 23.01                    | -2.92                |
|                        | 5260       | 52      | CDD  | MCS0      | 18.29                 | 18.12       | 21.21  | 23.98                       | -2.77                       | 1.30                        | 22.51              | 30.00                    | -7.49                |
|                        | 5300       | 60      | CDD  | MCS0      | 18.02                 | 18.14       | 21.09  | 23.98                       | -2.89                       | 1.30                        | 22.39              | 30.00                    | -7.61                |
|                        | 5320       | 64      | CDD  | MCS0      | 16.14                 | 16.33       | 19.24  | 23.98                       | -4.74                       | 1.30                        | 20.54              | 30.00                    | -9.46                |
|                        | 5500       | 100     | CDD  | MCS3      | 16.00                 | 15.93       | 18.97  | 23.98                       | -5.01                       | 1.40                        | 20.37              | 30.00                    | -9.63                |
|                        | 5520       | 104     | CDD  | MCS3      | 17.89                 | 17.99       | 20.95  | 23.98                       | -3.03                       | 1.40                        | 22.35              | 30.00                    | -7.65                |
|                        | 5540       | 108     | CDD  | MCS0      | 18.02                 | 18.24       | 21.14  | 23.98                       | -2.84                       | 1.40                        | 22.54              | 30.00                    | -7.46                |
|                        | 5580       | 116     | CDD  | MCS3      | 17.98                 | 17.87       | 20.94  | 23.98                       | -3.04                       | 1.40                        | 22.34              | 30.00                    | -7.66                |
|                        | 5660       | 132     | CDD  | MCS3      | 18.07                 | 18.21       | 21.15  | 23.98                       | -2.83                       | 1.40                        | 22.55              | 30.00                    | -7.45                |
|                        | 5680       | 136     | CDD  | MCS3      | 16.99                 | 16.97       | 19.99  | 23.98                       | -3.99                       | 1.40                        | 21.39              | 30.00                    | -8.61                |
|                        | 5700       | 140     | CDD  | MCS0      | 14.41                 | 14.25       | 17.34  | 23.98                       | -6.64                       | 1.40                        | 18.74              | 30.00                    | -11.26               |
|                        | 5720       | 144     | CDD  | MCS5      | 18.26                 | 18.27       | 21.27  | 23.98                       | -2.71                       | 1.40                        | 22.67              | 30.00                    | -7.33                |
|                        | 5745       | 149     | CDD  | MCS3      | 19.86                 | 19.75       | 22.82  | 30.00                       | -7.18                       | 1.10                        | 23.92              | -                        | -                    |
|                        | 5785       | 157     | CDD  | MCS0      | 19.80                 | 19.71       | 22.77  | 30.00                       | -7.23                       | 1.10                        | 23.87              | -                        | -                    |
|                        | 5825       | 165     | CDD  | MCS0      | 19.94                 | 19.85       | 22.90  | 30.00                       | -7.10                       | 1.10                        | 24.00              | -                        | -                    |

Table 7-73. ISED CDD/SDM Primary 20MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

| 5GHz (40MHz Bandwidth) | Freq [MHz] | Channel | Mode | Data Rate | Conducted Power [dBm] |             |        | Conducted Power Limit [dBm] | Conducted Power Margin [dB] | Directional Ant. Gain [dBi] | Max e.i.r.p. [dBm] | Max e.i.r.p. Limit [dBm] | e.i.r.p. Margin [dB] |
|------------------------|------------|---------|------|-----------|-----------------------|-------------|--------|-----------------------------|-----------------------------|-----------------------------|--------------------|--------------------------|----------------------|
|                        |            |         |      |           | Antenna WF5B          | Antenna WF8 | Summed |                             |                             |                             |                    |                          |                      |
|                        |            |         |      |           |                       |             |        |                             |                             |                             |                    |                          |                      |
|                        | 5190       | 38      | CDD  | MCS0      | 14.25                 | 14.46       | 17.37  | -                           | -                           | 1.10                        | 18.47              | 23.01                    | -4.54                |
|                        | 5230       | 46      | SDM  | MCS3      | 18.11                 | 17.75       | 20.94  | -                           | -                           | 0.72                        | 21.66              | 23.01                    | -1.35                |
|                        | 5270       | 54      | CDD  | MCS0      | 19.94                 | 19.72       | 22.84  | 23.98                       | -1.14                       | 1.30                        | 24.14              | 30.00                    | -5.86                |
|                        | 5310       | 62      | CDD  | MCS0      | 14.82                 | 14.77       | 17.80  | 23.98                       | -6.18                       | 1.30                        | 19.10              | 30.00                    | -10.90               |
|                        | 5510       | 102     | CDD  | MCS0      | 14.69                 | 14.58       | 17.65  | 23.98                       | -6.33                       | 1.40                        | 19.05              | 30.00                    | -10.95               |
|                        | 5550       | 110     | CDD  | MCS0      | 19.17                 | 19.18       | 22.18  | 23.98                       | -1.80                       | 1.40                        | 23.58              | 30.00                    | -6.42                |
|                        | 5670       | 134     | CDD  | MCS0      | 17.27                 | 17.27       | 20.28  | 23.98                       | -3.70                       | 1.40                        | 21.68              | 30.00                    | -8.32                |
|                        | 5710       | 142     | CDD  | MCS0      | 19.84                 | 19.98       | 22.92  | 23.98                       | -1.06                       | 1.40                        | 24.32              | 30.00                    | -5.68                |
|                        | 5755       | 151     | CDD  | MCS0      | 19.70                 | 19.73       | 22.73  | 30.00                       | -7.27                       | 1.10                        | 23.83              | -                        | -                    |
|                        | 5795       | 159     | CDD  | MCS0      | 19.63                 | 19.69       | 22.67  | 30.00                       | -7.33                       | 1.10                        | 23.77              | -                        | -                    |

Table 7-74. ISED CDD/SDM Primary 40MHz BW 802.11n (UNII) Maximum Conducted Output Power

|                                            |                                                                                                                                   |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                                                                            | EUT Type:<br>Tablet Device | Page 59 of 259                    |

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| 5GHz (40MHz Bandwidth) | Freq [MHz] | Channel | Mode | Data Rate | Conducted Power [dBm] |             |        | Conducted Power Limit [dBm] | Conducted Power Margin [dB] | Directional Ant. Gain [dBi] | Max e.i.r.p. [dBm] | Max e.i.r.p. Limit [dBm] | e.i.r.p. Margin [dB] |
|------------------------|------------|---------|------|-----------|-----------------------|-------------|--------|-----------------------------|-----------------------------|-----------------------------|--------------------|--------------------------|----------------------|
|                        |            |         |      |           | Antenna WF5B          | Antenna WF8 | Summed |                             |                             |                             |                    |                          |                      |
|                        | 5190       | 38      | CDD  | MCS3      | 13.95                 | 13.75       | 16.86  | -                           | -                           | 1.10                        | 17.96              | 23.01                    | -5.05                |
|                        | 5230       | 46      | SDM  | MCS0      | 17.87                 | 17.85       | 20.87  | -                           | -                           | 0.72                        | 21.59              | 23.01                    | -1.42                |
|                        | 5270       | 54      | CDD  | MCS0      | 19.90                 | 19.78       | 22.85  | 23.98                       | -1.13                       | 1.30                        | 24.15              | 30.00                    | -5.85                |
|                        | 5310       | 62      | CDD  | MCS0      | 13.84                 | 13.82       | 16.84  | 23.98                       | -7.14                       | 1.30                        | 18.14              | 30.00                    | -11.86               |
|                        | 5510       | 102     | CDD  | MCS0      | 13.44                 | 13.41       | 16.43  | 23.98                       | -7.55                       | 1.40                        | 17.83              | 30.00                    | -12.17               |
|                        | 5550       | 110     | CDD  | MCS5      | 18.34                 | 18.48       | 21.42  | 23.98                       | -2.56                       | 1.40                        | 22.82              | 30.00                    | -7.18                |
|                        | 5670       | 134     | CDD  | MCS0      | 16.76                 | 16.86       | 19.82  | 23.98                       | -4.16                       | 1.40                        | 21.22              | 30.00                    | -8.78                |
|                        | 5710       | 142     | CDD  | MCS0      | 19.79                 | 19.96       | 22.89  | 23.98                       | -1.09                       | 1.40                        | 24.29              | 30.00                    | -5.71                |
|                        | 5755       | 151     | CDD  | MCS0      | 19.96                 | 19.72       | 22.85  | 30.00                       | -7.15                       | 1.10                        | 23.95              | -                        | -                    |
|                        | 5795       | 159     | CDD  | MCS0      | 19.89                 | 19.68       | 22.80  | 30.00                       | -7.20                       | 1.10                        | 23.90              | -                        | -                    |

Table 7-75. ISED CDD/SDM Primary 40MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

| 5GHz (80MHz Bandwidth) | Freq [MHz] | Channel | Mode | Data Rate | Conducted Power [dBm] |             |        | Conducted Power Limit [dBm] | Conducted Power Margin [dB] | Directional Ant. Gain [dBi] | Max e.i.r.p. [dBm] | Max e.i.r.p. Limit [dBm] | e.i.r.p. Margin [dB] |
|------------------------|------------|---------|------|-----------|-----------------------|-------------|--------|-----------------------------|-----------------------------|-----------------------------|--------------------|--------------------------|----------------------|
|                        |            |         |      |           | Antenna WF5B          | Antenna WF8 | Summed |                             |                             |                             |                    |                          |                      |
|                        | 5210       | 42      | CDD  | MCS0      | 13.45                 | 13.35       | 16.41  | -                           | -                           | 1.10                        | 17.51              | 23.01                    | -5.50                |
|                        | 5290       | 58      | CDD  | MCS0      | 14.11                 | 14.28       | 17.21  | 23.98                       | -6.77                       | 1.30                        | 18.51              | 30.00                    | -11.49               |
|                        | 5530       | 106     | CDD  | MCS3      | 13.26                 | 13.17       | 16.23  | 23.98                       | -7.75                       | 1.40                        | 17.63              | 30.00                    | -12.37               |
|                        | 5690       | 138     | CDD  | MCS0      | 19.83                 | 19.86       | 22.85  | 23.98                       | -1.13                       | 1.40                        | 24.25              | 30.00                    | -5.75                |
|                        | 5775       | 155     | CDD  | MCS0      | 17.97                 | 17.97       | 20.98  | 30.00                       | -9.02                       | 1.10                        | 22.08              | -                        | -                    |
|                        |            |         |      |           |                       |             |        |                             |                             |                             |                    |                          |                      |
|                        |            |         |      |           |                       |             |        |                             |                             |                             |                    |                          |                      |
|                        |            |         |      |           |                       |             |        |                             |                             |                             |                    |                          |                      |

Table 7-76. ISED CDD Primary 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power

| 5GHz (80MHz Bandwidth) | Freq [MHz] | Channel | Mode | Data Rate | Conducted Power [dBm] |             |        | Conducted Power Limit [dBm] | Conducted Power Margin [dB] | Directional Ant. Gain [dBi] | Max e.i.r.p. [dBm] | Max e.i.r.p. Limit [dBm] | e.i.r.p. Margin [dB] |
|------------------------|------------|---------|------|-----------|-----------------------|-------------|--------|-----------------------------|-----------------------------|-----------------------------|--------------------|--------------------------|----------------------|
|                        |            |         |      |           | Antenna WF5B          | Antenna WF8 | Summed |                             |                             |                             |                    |                          |                      |
|                        | 5210       | 42      | CDD  | MCS0      | 12.78                 | 12.95       | 15.87  | -                           | -                           | 1.10                        | 16.97              | 23.01                    | -6.04                |
|                        | 5290       | 58      | CDD  | MCS3      | 13.76                 | 13.89       | 16.83  | 23.98                       | -7.15                       | 1.30                        | 18.13              | 30.00                    | -11.87               |
|                        | 5530       | 106     | CDD  | MCS5      | 12.29                 | 12.48       | 15.40  | 23.98                       | -8.58                       | 1.40                        | 16.80              | 30.00                    | -13.20               |
|                        | 5690       | 138     | CDD  | MCS0      | 19.83                 | 19.81       | 22.83  | 23.98                       | -1.15                       | 1.40                        | 24.23              | 30.00                    | -5.77                |
|                        | 5775       | 155     | CDD  | MCS0      | 17.11                 | 16.95       | 20.04  | 30.00                       | -9.96                       | 1.10                        | 21.14              | -                        | -                    |
|                        |            |         |      |           |                       |             |        |                             |                             |                             |                    |                          |                      |
|                        |            |         |      |           |                       |             |        |                             |                             |                             |                    |                          |                      |
|                        |            |         |      |           |                       |             |        |                             |                             |                             |                    |                          |                      |

Table 7-77. ISED CDD Primary 80MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

| 5GHz (160MHz Bandwidth) | Freq [MHz] | Channel | Mode | Data Rate | Conducted Power [dBm] |             |        | Conducted Power Limit [dBm] | Conducted Power Margin [dB] | Directional Ant. Gain [dBi] | Max e.i.r.p. [dBm] | Max e.i.r.p. Limit [dBm] | e.i.r.p. Margin [dB] |
|-------------------------|------------|---------|------|-----------|-----------------------|-------------|--------|-----------------------------|-----------------------------|-----------------------------|--------------------|--------------------------|----------------------|
|                         |            |         |      |           | Antenna WF5B          | Antenna WF8 | Summed |                             |                             |                             |                    |                          |                      |
|                         | 5250       | 50      | CDD  | MCS0      | 11.86                 | 11.77       | 14.82  | 23.98                       | -9.16                       | 1.10                        | 15.92              | 23.01                    | -7.09                |
|                         |            |         |      |           |                       |             |        |                             |                             |                             |                    |                          |                      |
|                         |            |         |      |           |                       |             |        |                             |                             |                             |                    |                          |                      |
|                         |            |         |      |           |                       |             |        |                             |                             |                             |                    |                          |                      |
|                         |            |         |      |           |                       |             |        |                             |                             |                             |                    |                          |                      |
|                         |            |         |      |           |                       |             |        |                             |                             |                             |                    |                          |                      |
|                         |            |         |      |           |                       |             |        |                             |                             |                             |                    |                          |                      |
|                         |            |         |      |           |                       |             |        |                             |                             |                             |                    |                          |                      |

Table 7-78. ISED CDD Primary 160MHz BW 802.11ac (UNII) Maximum Conducted Output Power

| 5GHz (160MHz Bandwidth) | Freq [MHz] | Channel | Mode | Data Rate | Conducted Power [dBm] |             |        | Conducted Power Limit [dBm] | Conducted Power Margin [dB] | Directional Ant. Gain [dBi] | Max e.i.r.p. [dBm] | Max e.i.r.p. Limit [dBm] | e.i.r.p. Margin [dB] |
|-------------------------|------------|---------|------|-----------|-----------------------|-------------|--------|-----------------------------|-----------------------------|-----------------------------|--------------------|--------------------------|----------------------|
|                         |            |         |      |           | Antenna WF5B          | Antenna WF8 | Summed |                             |                             |                             |                    |                          |                      |
|                         | 5250       | 50      | CDD  | MCS5      | 11.76                 | 11.72       | 14.75  | 23.98                       | -9.23                       | 1.10                        | 15.85              | 23.01                    | -7.16                |
|                         |            |         |      |           |                       |             |        |                             |                             |                             |                    |                          |                      |
|                         |            |         |      |           |                       |             |        |                             |                             |                             |                    |                          |                      |
|                         |            |         |      |           |                       |             |        |                             |                             |                             |                    |                          |                      |
|                         |            |         |      |           |                       |             |        |                             |                             |                             |                    |                          |                      |
|                         |            |         |      |           |                       |             |        |                             |                             |                             |                    |                          |                      |
|                         |            |         |      |           |                       |             |        |                             |                             |                             |                    |                          |                      |
|                         |            |         |      |           |                       |             |        |                             |                             |                             |                    |                          |                      |

Table 7-79. ISED CDD Primary 160MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

|                                            |                                                                                                                                   |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                                                                            | EUT Type:<br>Tablet Device | Page 60 of 259                    |

## 7.4.9 FCC CDD Diversity Maximum Conducted Output Power Measurements

| 5GHz (20MHz Bandwidth) | Freq [MHz] | Channel | Mode | Data Rate | Conducted Power [dBm] |             |        | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|------|-----------|-----------------------|-------------|--------|-----------------------------|-----------------------------|
|                        |            |         |      |           | Antenna WF5B          | Antenna WF8 | Summed |                             |                             |
|                        | 5180       | 36      | CDD  | 6Mbps     | 16.93                 | 16.88       | 19.92  | 23.98                       | -4.06                       |
|                        | 5200       | 40      | CDD  | 36Mbps    | 18.21                 | 18.05       | 21.14  | 23.98                       | -2.84                       |
|                        | 5240       | 48      | CDD  | 36Mbps    | 18.02                 | 17.95       | 21.00  | 23.98                       | -2.98                       |
|                        | 5260       | 52      | CDD  | 6Mbps     | 18.11                 | 18.17       | 21.15  | 23.98                       | -2.83                       |
|                        | 5300       | 60      | CDD  | 36Mbps    | 18.11                 | 18.11       | 21.12  | 23.98                       | -2.86                       |
|                        | 5320       | 64      | CDD  | 6Mbps     | 16.87                 | 16.97       | 19.93  | 23.98                       | -4.05                       |
|                        | 5500       | 100     | CDD  | 6Mbps     | 15.81                 | 15.99       | 18.91  | 23.98                       | -5.07                       |
|                        | 5520       | 104     | CDD  | 36Mbps    | 18.07                 | 17.94       | 21.01  | 23.98                       | -2.97                       |
|                        | 5540       | 108     | CDD  | 36Mbps    | 18.03                 | 17.90       | 20.97  | 23.98                       | -3.01                       |
|                        | 5580       | 116     | CDD  | 36Mbps    | 18.19                 | 18.17       | 21.19  | 23.98                       | -2.79                       |
|                        | 5660       | 132     | CDD  | 36Mbps    | 18.03                 | 18.19       | 21.12  | 23.98                       | -2.86                       |
|                        | 5680       | 136     | CDD  | 36Mbps    | 17.50                 | 17.30       | 20.41  | 23.98                       | -3.57                       |
|                        | 5700       | 140     | CDD  | 18Mbps    | 14.91                 | 14.89       | 17.91  | 23.98                       | -6.07                       |
|                        | 5720       | 144     | CDD  | 18Mbps    | 18.05                 | 17.93       | 21.00  | 23.98                       | -2.98                       |
|                        | 5745       | 149     | CDD  | 36Mbps    | 19.83                 | 19.88       | 22.87  | 30.00                       | -7.13                       |
|                        | 5785       | 157     | CDD  | 36Mbps    | 19.80                 | 19.86       | 22.84  | 30.00                       | -7.16                       |
|                        | 5825       | 165     | CDD  | 36Mbps    | 19.90                 | 19.74       | 22.83  | 30.00                       | -7.17                       |

Table 7-80. FCC CDD Diversity 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

| 5GHz (20MHz Bandwidth) | Freq [MHz] | Channel | Mode | Data Rate | Conducted Power [dBm] |             |        | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|------|-----------|-----------------------|-------------|--------|-----------------------------|-----------------------------|
|                        |            |         |      |           | Antenna WF5B          | Antenna WF8 | Summed |                             |                             |
|                        | 5180       | 36      | CDD  | MCS0      | 16.94                 | 16.92       | 19.94  | 23.98                       | -4.04                       |
|                        | 5200       | 40      | CDD  | MCS0      | 18.03                 | 18.26       | 21.16  | 23.98                       | -2.82                       |
|                        | 5240       | 48      | CDD  | MCS0      | 18.03                 | 17.96       | 21.00  | 23.98                       | -2.98                       |
|                        | 5260       | 52      | CDD  | MCS0      | 18.18                 | 18.08       | 21.14  | 23.98                       | -2.84                       |
|                        | 5300       | 60      | CDD  | MCS0      | 18.14                 | 18.08       | 21.12  | 23.98                       | -2.86                       |
|                        | 5320       | 64      | CDD  | MCS0      | 16.92                 | 16.96       | 19.95  | 23.98                       | -4.03                       |
|                        | 5500       | 100     | CDD  | MCS3      | 15.99                 | 15.94       | 18.98  | 23.98                       | -5.00                       |
|                        | 5520       | 104     | CDD  | MCS3      | 17.99                 | 18.06       | 21.03  | 23.98                       | -2.95                       |
|                        | 5540       | 108     | CDD  | MCS3      | 17.93                 | 18.04       | 21.00  | 23.98                       | -2.98                       |
|                        | 5580       | 116     | CDD  | MCS0      | 18.20                 | 18.15       | 21.18  | 23.98                       | -2.80                       |
|                        | 5660       | 132     | CDD  | MCS3      | 17.95                 | 18.13       | 21.06  | 23.98                       | -2.92                       |
|                        | 5680       | 136     | CDD  | MCS3      | 17.40                 | 17.40       | 20.41  | 23.98                       | -3.57                       |
|                        | 5700       | 140     | CDD  | MCS3      | 14.97                 | 14.91       | 17.95  | 23.98                       | -6.03                       |
|                        | 5720       | 144     | CDD  | MCS0      | 18.14                 | 18.02       | 21.09  | 23.98                       | -2.89                       |
|                        | 5745       | 149     | CDD  | MCS5      | 19.84                 | 19.89       | 22.87  | 30.00                       | -7.13                       |
|                        | 5785       | 157     | CDD  | MCS0      | 19.81                 | 19.85       | 22.84  | 30.00                       | -7.16                       |
|                        | 5825       | 165     | CDD  | MCS0      | 19.91                 | 19.74       | 22.84  | 30.00                       | -7.16                       |

Table 7-81. FCC CDD Diversity 20MHz BW 802.11n (UNII) Maximum Conducted Output Power

| 5GHz (20MHz Bandwidth) | Freq [MHz] | Channel | Mode | Data Rate | Conducted Power [dBm] |             |        | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|------|-----------|-----------------------|-------------|--------|-----------------------------|-----------------------------|
|                        |            |         |      |           | Antenna WF5B          | Antenna WF8 | Summed |                             |                             |
|                        | 5180       | 36      | CDD  | MCS0      | 16.66                 | 16.58       | 19.63  | 23.98                       | -4.35                       |
|                        | 5200       | 40      | CDD  | MCS0      | 18.39                 | 18.31       | 21.36  | 23.98                       | -2.62                       |
|                        | 5240       | 48      | CDD  | MCS0      | 18.26                 | 18.15       | 21.21  | 23.98                       | -2.77                       |
|                        | 5260       | 52      | CDD  | MCS3      | 18.25                 | 18.28       | 21.27  | 23.98                       | -2.71                       |
|                        | 5300       | 60      | CDD  | MCS0      | 18.14                 | 18.12       | 21.14  | 23.98                       | -2.84                       |
|                        | 5320       | 64      | CDD  | MCS0      | 16.33                 | 16.26       | 19.31  | 23.98                       | -4.67                       |
|                        | 5500       | 100     | CDD  | MCS3      | 15.93                 | 15.99       | 18.97  | 23.98                       | -5.01                       |
|                        | 5520       | 104     | CDD  | MCS3      | 17.99                 | 17.87       | 20.94  | 23.98                       | -3.04                       |
|                        | 5540       | 108     | CDD  | MCS0      | 18.24                 | 18.10       | 21.18  | 23.98                       | -2.80                       |
|                        | 5580       | 116     | CDD  | MCS5      | 18.01                 | 18.00       | 21.01  | 23.98                       | -2.97                       |
|                        | 5660       | 132     | CDD  | MCS3      | 18.21                 | 18.17       | 21.20  | 23.98                       | -2.78                       |
|                        | 5680       | 136     | CDD  | MCS3      | 16.97                 | 16.97       | 19.98  | 23.98                       | -4.00                       |
|                        | 5700       | 140     | CDD  | MCS0      | 14.25                 | 14.33       | 17.30  | 23.98                       | -6.68                       |
|                        | 5720       | 144     | CDD  | MCS3      | 18.32                 | 18.40       | 21.37  | 23.98                       | -2.61                       |
|                        | 5745       | 149     | CDD  | MCS0      | 19.75                 | 19.80       | 22.78  | 30.00                       | -7.22                       |
|                        | 5785       | 157     | CDD  | MCS0      | 19.71                 | 19.78       | 22.76  | 30.00                       | -7.24                       |
|                        | 5825       | 165     | CDD  | MCS0      | 19.85                 | 19.71       | 22.79  | 30.00                       | -7.21                       |

Table 7-82. FCC CDD Diversity 20MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                              | EUT Type:<br>Tablet Device            | Page 61 of 259                    |

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| 5GHz (40MHz Bandwidth) | Freq [MHz] | Channel | Mode | Data Rate | Conducted Power [dBm] |             |        | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|------|-----------|-----------------------|-------------|--------|-----------------------------|-----------------------------|
|                        |            |         |      |           | Antenna WF5B          | Antenna WF8 | Summed |                             |                             |
|                        | 5190       | 38      | CDD  | MCS0      | 14.41                 | 14.21       | 17.32  | 23.98                       | -6.66                       |
|                        | 5230       | 46      | CDD  | MCS0      | 19.90                 | 19.64       | 22.78  | 23.98                       | -1.20                       |
|                        | 5270       | 54      | CDD  | MCS0      | 19.72                 | 19.88       | 22.81  | 23.98                       | -1.17                       |
|                        | 5310       | 62      | CDD  | MCS0      | 14.77                 | 14.87       | 17.83  | 23.98                       | -6.15                       |
|                        | 5510       | 102     | CDD  | MCS0      | 14.58                 | 14.53       | 17.57  | 23.98                       | -6.41                       |
|                        | 5550       | 110     | CDD  | MCS3      | 19.01                 | 19.20       | 22.11  | 23.98                       | -1.87                       |
|                        | 5590       | 118     | CDD  | MCS0      | 19.79                 | 19.74       | 22.78  | 23.98                       | -1.20                       |
|                        | 5630       | 126     | CDD  | MCS0      | 19.89                 | 19.91       | 22.91  | 23.98                       | -1.07                       |
|                        | 5670       | 134     | CDD  | MCS0      | 17.27                 | 17.41       | 20.35  | 23.98                       | -3.63                       |
|                        | 5710       | 142     | CDD  | MCS0      | 19.98                 | 19.68       | 22.84  | 23.98                       | -1.14                       |
|                        | 5755       | 151     | CDD  | MCS0      | 19.73                 | 19.83       | 22.79  | 30.00                       | -7.21                       |
|                        | 5795       | 159     | CDD  | MCS0      | 19.69                 | 19.80       | 22.75  | 30.00                       | -7.25                       |

Table 7-83. FCC CDD Diversity 40MHz BW 802.11n (UNII) Maximum Conducted Output Power

| 5GHz (40MHz Bandwidth) | Freq [MHz] | Channel | Mode | Data Rate | Conducted Power [dBm] |             |        | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|------|-----------|-----------------------|-------------|--------|-----------------------------|-----------------------------|
|                        |            |         |      |           | Antenna WF5B          | Antenna WF8 | Summed |                             |                             |
|                        | 5190       | 38      | CDD  | MCS0      | 13.91                 | 13.79       | 16.86  | 23.98                       | -7.12                       |
|                        | 5230       | 46      | CDD  | MCS0      | 19.90                 | 19.86       | 22.89  | 23.98                       | -1.09                       |
|                        | 5270       | 54      | CDD  | MCS0      | 19.78                 | 19.87       | 22.83  | 23.98                       | -1.15                       |
|                        | 5310       | 62      | CDD  | MCS0      | 13.82                 | 13.93       | 16.88  | 23.98                       | -7.10                       |
|                        | 5510       | 102     | CDD  | MCS0      | 13.41                 | 13.33       | 16.38  | 23.98                       | -7.60                       |
|                        | 5550       | 110     | CDD  | MCS3      | 18.32                 | 18.48       | 21.41  | 23.98                       | -2.57                       |
|                        | 5590       | 118     | CDD  | MCS5      | 19.96                 | 19.67       | 22.83  | 23.98                       | -1.15                       |
|                        | 5630       | 126     | CDD  | MCS5      | 19.90                 | 19.87       | 22.90  | 23.98                       | -1.08                       |
|                        | 5670       | 134     | CDD  | MCS0      | 16.86                 | 16.65       | 19.77  | 23.98                       | -4.21                       |
|                        | 5710       | 142     | CDD  | MCS5      | 19.88                 | 19.85       | 22.87  | 23.98                       | -1.11                       |
|                        | 5755       | 151     | CDD  | MCS0      | 19.72                 | 19.79       | 22.76  | 30.00                       | -7.24                       |
|                        | 5795       | 159     | CDD  | MCS0      | 19.68                 | 19.78       | 22.74  | 30.00                       | -7.26                       |

Table 7-84. FCC CDD Diversity 40MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

| 5GHz (80MHz Bandwidth) | Freq [MHz] | Channel | Mode | Data Rate | Conducted Power [dBm] |             |        | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|------|-----------|-----------------------|-------------|--------|-----------------------------|-----------------------------|
|                        |            |         |      |           | Antenna WF5B          | Antenna WF8 | Summed |                             |                             |
|                        | 5210       | 42      | CDD  | MCS0      | 13.17                 | 13.30       | 16.24  | 23.98                       | -7.74                       |
|                        | 5290       | 58      | CDD  | MCS0      | 14.28                 | 14.19       | 17.25  | 23.98                       | -6.73                       |
|                        | 5530       | 106     | CDD  | MCS0      | 13.21                 | 13.44       | 16.34  | 23.98                       | -7.64                       |
|                        | 5610       | 122     | CDD  | MCS0      | 17.98                 | 17.77       | 20.89  | 23.98                       | -3.09                       |
|                        | 5690       | 138     | CDD  | MCS0      | 19.86                 | 19.94       | 22.91  | 23.98                       | -1.07                       |
|                        | 5775       | 155     | CDD  | MCS0      | 17.97                 | 18.12       | 21.05  | 30.00                       | -8.95                       |

Table 7-85. FCC CDD Diversity 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power

| 5GHz (80MHz Bandwidth) | Freq [MHz] | Channel | Mode | Data Rate | Conducted Power [dBm] |             |        | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|------------------------|------------|---------|------|-----------|-----------------------|-------------|--------|-----------------------------|-----------------------------|
|                        |            |         |      |           | Antenna WF5B          | Antenna WF8 | Summed |                             |                             |
|                        | 5210       | 42      | CDD  | MCS3      | 12.81                 | 12.77       | 15.80  | 23.98                       | -8.18                       |
|                        | 5290       | 58      | CDD  | MCS3      | 13.89                 | 13.71       | 16.81  | 23.98                       | -7.17                       |
|                        | 5530       | 106     | CDD  | MCS0      | 12.40                 | 12.43       | 15.42  | 23.98                       | -8.56                       |
|                        | 5610       | 122     | CDD  | MCS5      | 16.90                 | 16.83       | 19.88  | 23.98                       | -4.10                       |
|                        | 5690       | 138     | CDD  | MCS0      | 19.81                 | 19.69       | 22.76  | 23.98                       | -1.22                       |
|                        | 5775       | 155     | CDD  | MCS0      | 16.95                 | 16.96       | 19.97  | 30.00                       | -10.03                      |

Table 7-86. FCC CDD Diversity 80MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

| 5GHz (160MHz Bandwidth) | Freq [MHz] | Channel | Mode | Data Rate | Conducted Power [dBm] |             |        | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|-------------------------|------------|---------|------|-----------|-----------------------|-------------|--------|-----------------------------|-----------------------------|
|                         |            |         |      |           | Antenna WF5B          | Antenna WF8 | Summed |                             |                             |
|                         | 5250       | 50      | CDD  | MCS0      | 11.92                 | 11.96       | 14.95  | 23.98                       | -9.03                       |
|                         | 5570       | 114     | CDD  | MCS0      | 12.45                 | 12.22       | 15.34  | 23.98                       | -8.64                       |

Table 7-87. FCC CDD Diversity 160MHz BW 802.11ac (UNII) Maximum Conducted Output Power

| 5GHz (160MHz Bandwidth) | Freq [MHz] | Channel | Mode | Data Rate | Conducted Power [dBm] |             |        | Conducted Power Limit [dBm] | Conducted Power Margin [dB] |
|-------------------------|------------|---------|------|-----------|-----------------------|-------------|--------|-----------------------------|-----------------------------|
|                         |            |         |      |           | Antenna WF5B          | Antenna WF8 | Summed |                             |                             |
|                         | 5250       | 50      | CDD  | MCS5      | 11.72                 | 11.93       | 14.84  | 23.98                       | -9.14                       |
|                         | 5570       | 114     | CDD  | MCS0      | 12.40                 | 12.38       | 15.40  | 23.98                       | -8.58                       |

Table 7-88. FCC CDD Diversity 160MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

|                                            |                                                                                                                                   |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                                                                            | EUT Type:<br>Tablet Device | Page 62 of 259                    |

## 7.4.10 ISED CDD/SDM Diversity Maximum Conducted Output Power Measurements

| 5GHz (20MHz Bandwidth) | Freq [MHz] | Channel | Mode | Data Rate | Conducted Power [dBm] |             |        | Conducted Power Limit [dBm] | Conducted Power Margin [dB] | Directional Ant. Gain [dBi] | Max e.i.r.p. [dBm] | Max e.i.r.p. Limit [dBm] | e.i.r.p. Margin [dB] |
|------------------------|------------|---------|------|-----------|-----------------------|-------------|--------|-----------------------------|-----------------------------|-----------------------------|--------------------|--------------------------|----------------------|
|                        |            |         |      |           | Antenna WF8           | Antenna WF7 | Summed |                             |                             |                             |                    |                          |                      |
|                        |            |         |      |           |                       |             |        |                             |                             |                             |                    |                          |                      |
|                        | 5180       | 36      | CDD  | 6Mbps     | 12.56                 | 12.66       | 15.62  | -                           | -                           | 1.10                        | 16.72              | 23.01                    | -6.29                |
|                        | 5200       | 40      | CDD  | 6Mbps     | 13.35                 | 13.20       | 16.29  | -                           | -                           | 1.10                        | 17.39              | 23.01                    | -5.62                |
|                        | 5240       | 48      | CDD  | 6Mbps     | 13.38                 | 13.00       | 16.20  | -                           | -                           | 1.10                        | 17.30              | 23.01                    | -5.71                |
|                        | 5260       | 52      | CDD  | 6Mbps     | 18.11                 | 18.28       | 21.21  | 23.98                       | -2.77                       | 0.40                        | 21.61              | 30.00                    | -8.39                |
|                        | 5300       | 60      | CDD  | 36Mbps    | 18.11                 | 18.11       | 21.12  | 23.98                       | -2.86                       | 0.40                        | 21.52              | 30.00                    | -8.48                |
|                        | 5320       | 64      | CDD  | 6Mbps     | 16.87                 | 16.97       | 19.93  | 23.98                       | -4.05                       | 0.40                        | 20.33              | 30.00                    | -9.67                |
|                        | 5500       | 100     | CDD  | 6Mbps     | 15.81                 | 15.99       | 18.91  | 23.98                       | -5.07                       | 2.10                        | 21.01              | 30.00                    | -8.99                |
|                        | 5520       | 104     | CDD  | 36Mbps    | 18.07                 | 17.94       | 21.01  | 23.98                       | -2.97                       | 2.10                        | 23.11              | 30.00                    | -6.89                |
|                        | 5540       | 108     | CDD  | 36Mbps    | 18.03                 | 17.90       | 20.97  | 23.98                       | -3.01                       | 2.10                        | 23.07              | 30.00                    | -6.93                |
|                        | 5580       | 116     | CDD  | 36Mbps    | 18.21                 | 18.17       | 21.20  | 23.98                       | -2.78                       | 2.10                        | 23.30              | 30.00                    | -6.70                |
|                        | 5660       | 132     | CDD  | 36Mbps    | 18.03                 | 18.19       | 21.12  | 23.98                       | -2.86                       | 2.10                        | 23.22              | 30.00                    | -6.78                |
|                        | 5680       | 136     | CDD  | 36Mbps    | 17.50                 | 17.30       | 20.41  | 23.98                       | -3.57                       | 2.10                        | 22.51              | 30.00                    | -7.49                |
|                        | 5700       | 140     | CDD  | 18Mbps    | 14.91                 | 14.89       | 17.91  | 23.98                       | -6.07                       | 2.10                        | 20.01              | 30.00                    | -9.99                |
|                        | 5720       | 144     | CDD  | 18Mbps    | 18.05                 | 17.93       | 21.00  | 23.98                       | -2.98                       | 2.10                        | 23.10              | 30.00                    | -6.90                |
|                        | 5745       | 149     | CDD  | 36Mbps    | 19.83                 | 19.88       | 22.87  | 30.00                       | -7.13                       | 1.60                        | 24.47              | -                        | -                    |
|                        | 5785       | 157     | CDD  | 36Mbps    | 19.80                 | 19.86       | 22.84  | 30.00                       | -7.16                       | 1.60                        | 24.44              | -                        | -                    |
|                        | 5825       | 165     | CDD  | 36Mbps    | 19.90                 | 19.74       | 22.83  | 30.00                       | -7.17                       | 1.60                        | 24.43              | -                        | -                    |

Table 7-89. ISED CDD Diversity 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

| 5GHz (20MHz Bandwidth) | Freq [MHz] | Channel | Mode | Data Rate | Conducted Power [dBm] |             |        | Conducted Power Limit [dBm] | Conducted Power Margin [dB] | Directional Ant. Gain [dBi] | Max e.i.r.p. [dBm] | Max e.i.r.p. Limit [dBm] | e.i.r.p. Margin [dB] |
|------------------------|------------|---------|------|-----------|-----------------------|-------------|--------|-----------------------------|-----------------------------|-----------------------------|--------------------|--------------------------|----------------------|
|                        |            |         |      |           | Antenna WF8           | Antenna WF7 | Summed |                             |                             |                             |                    |                          |                      |
|                        |            |         |      |           |                       |             |        |                             |                             |                             |                    |                          |                      |
|                        | 5180       | 36      | SDM  | MCS0      | 15.63                 | 15.25       | 18.45  | -                           | -                           | -0.01                       | 18.44              | 23.01                    | -4.57                |
|                        | 5200       | 40      | SDM  | MCS5      | 16.28                 | 16.33       | 19.31  | -                           | -                           | -0.01                       | 19.30              | 23.01                    | -3.71                |
|                        | 5240       | 48      | SDM  | MCS3      | 16.15                 | 16.18       | 19.18  | -                           | -                           | -0.01                       | 19.17              | 23.01                    | -3.84                |
|                        | 5260       | 52      | CDD  | MCS0      | 18.18                 | 18.08       | 21.14  | 23.98                       | -2.84                       | 0.40                        | 21.54              | 30.00                    | -8.46                |
|                        | 5300       | 60      | CDD  | MCS0      | 18.14                 | 18.08       | 21.12  | 23.98                       | -2.86                       | 0.40                        | 21.52              | 30.00                    | -8.48                |
|                        | 5320       | 64      | CDD  | MCS0      | 16.92                 | 16.96       | 19.95  | 23.98                       | -4.03                       | 0.40                        | 20.35              | 30.00                    | -9.65                |
|                        | 5500       | 100     | CDD  | MCS3      | 15.99                 | 15.94       | 18.98  | 23.98                       | -5.00                       | 2.10                        | 21.08              | 30.00                    | -8.92                |
|                        | 5520       | 104     | CDD  | MCS3      | 17.99                 | 18.06       | 21.03  | 23.98                       | -2.95                       | 2.10                        | 23.13              | 30.00                    | -6.87                |
|                        | 5540       | 108     | CDD  | MCS3      | 17.93                 | 18.04       | 21.00  | 23.98                       | -2.98                       | 2.10                        | 23.10              | 30.00                    | -6.90                |
|                        | 5580       | 116     | CDD  | MCS0      | 18.20                 | 18.15       | 21.18  | 23.98                       | -2.80                       | 2.10                        | 23.28              | 30.00                    | -6.72                |
|                        | 5660       | 132     | CDD  | MCS3      | 17.95                 | 18.13       | 21.06  | 23.98                       | -2.92                       | 2.10                        | 23.16              | 30.00                    | -6.84                |
|                        | 5680       | 136     | CDD  | MCS3      | 17.40                 | 17.40       | 20.41  | 23.98                       | -3.57                       | 2.10                        | 22.51              | 30.00                    | -7.49                |
|                        | 5700       | 140     | CDD  | MCS3      | 14.97                 | 14.91       | 17.95  | 23.98                       | -6.03                       | 2.10                        | 20.05              | 30.00                    | -9.95                |
|                        | 5720       | 144     | CDD  | MCS0      | 18.14                 | 18.02       | 21.09  | 23.98                       | -2.89                       | 2.10                        | 23.19              | 30.00                    | -6.81                |
|                        | 5745       | 149     | CDD  | MCS5      | 19.84                 | 19.89       | 22.87  | 30.00                       | -7.13                       | 1.60                        | 24.47              | -                        | -                    |
|                        | 5785       | 157     | CDD  | MCS0      | 19.81                 | 19.85       | 22.84  | 30.00                       | -7.16                       | 1.60                        | 24.44              | -                        | -                    |
|                        | 5825       | 165     | CDD  | MCS0      | 19.91                 | 19.74       | 22.84  | 30.00                       | -7.16                       | 1.60                        | 24.44              | -                        | -                    |

Table 7-90. ISED CDD/SDM Diversity 20MHz BW 802.11n (UNII) Maximum Conducted Output Power

| 5GHz (20MHz Bandwidth) | Freq [MHz] | Channel | Mode | Data Rate | Conducted Power [dBm] |             |        | Conducted Power Limit [dBm] | Conducted Power Margin [dB] | Directional Ant. Gain [dBi] | Max e.i.r.p. [dBm] | Max e.i.r.p. Limit [dBm] | e.i.r.p. Margin [dB] |
|------------------------|------------|---------|------|-----------|-----------------------|-------------|--------|-----------------------------|-----------------------------|-----------------------------|--------------------|--------------------------|----------------------|
|                        |            |         |      |           | Antenna WF8           | Antenna WF7 | Summed |                             |                             |                             |                    |                          |                      |
|                        |            |         |      |           |                       |             |        |                             |                             |                             |                    |                          |                      |
|                        | 5180       | 36      | SDM  | MCS3      | 15.56                 | 15.61       | 18.59  | -                           | -                           | -0.01                       | 18.58              | 23.01                    | -4.43                |
|                        | 5200       | 40      | SDM  | MCS3      | 16.43                 | 16.57       | 19.51  | -                           | -                           | -0.01                       | 19.50              | 23.01                    | -3.51                |
|                        | 5240       | 48      | SDM  | MCS3      | 16.10                 | 16.48       | 19.31  | -                           | -                           | -0.01                       | 19.30              | 23.01                    | -3.71                |
|                        | 5260       | 52      | CDD  | MCS3      | 18.25                 | 18.28       | 21.27  | 23.98                       | -2.71                       | 0.40                        | 21.67              | 30.00                    | -8.33                |
|                        | 5300       | 60      | CDD  | MCS0      | 18.14                 | 18.12       | 21.14  | 23.98                       | -2.84                       | 0.40                        | 21.54              | 30.00                    | -8.46                |
|                        | 5320       | 64      | CDD  | MCS0      | 16.33                 | 16.26       | 19.31  | 23.98                       | -4.67                       | 0.40                        | 19.71              | 30.00                    | -10.29               |
|                        | 5500       | 100     | CDD  | MCS3      | 15.93                 | 15.99       | 18.97  | 23.98                       | -5.01                       | 2.10                        | 21.07              | 30.00                    | -8.93                |
|                        | 5520       | 104     | CDD  | MCS3      | 17.99                 | 17.87       | 20.94  | 23.98                       | -3.04                       | 2.10                        | 23.04              | 30.00                    | -6.96                |
|                        | 5540       | 108     | CDD  | MCS0      | 18.24                 | 18.10       | 21.18  | 23.98                       | -2.80                       | 2.10                        | 23.28              | 30.00                    | -6.72                |
|                        | 5580       | 116     | CDD  | MCS5      | 18.01                 | 18.00       | 21.01  | 23.98                       | -2.97                       | 2.10                        | 23.11              | 30.00                    | -6.89                |
|                        | 5660       | 132     | CDD  | MCS3      | 18.21                 | 18.17       | 21.20  | 23.98                       | -2.78                       | 2.10                        | 23.30              | 30.00                    | -6.70                |
|                        | 5680       | 136     | CDD  | MCS3      | 16.97                 | 16.97       | 19.98  | 23.98                       | -4.00                       | 2.10                        | 22.08              | 30.00                    | -7.92                |
|                        | 5700       | 140     | CDD  | MCS0      | 14.25                 | 14.33       | 17.30  | 23.98                       | -6.68                       | 2.10                        | 19.40              | 30.00                    | -10.60               |
|                        | 5720       | 144     | CDD  | MCS3      | 18.32                 | 18.40       | 21.37  | 23.98                       | -2.61                       | 2.10                        | 23.47              | 30.00                    | -6.53                |
|                        | 5745       | 149     | CDD  | MCS0      | 19.75                 | 19.80       | 22.78  | 30.00                       | -7.22                       | 1.60                        | 24.38              | -                        | -                    |
|                        | 5785       | 157     | CDD  | MCS0      | 19.71                 | 19.78       | 22.76  | 30.00                       | -7.24                       | 1.60                        | 24.36              | -                        | -                    |
|                        | 5825       | 165     | CDD  | MCS0      | 19.85                 | 19.71       | 22.79  | 30.00                       | -7.21                       | 1.60                        | 24.39              | -                        | -                    |

Table 7-91. ISED CDD/SDM Diversity 20MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

| 5GHz (40MHz Bandwidth) | Freq [MHz] | Channel | Mode | Data Rate | Conducted Power [dBm] |             |        | Conducted Power Limit [dBm] | Conducted Power Margin [dB] | Directional Ant. Gain [dBi] | Max e.i.r.p. [dBm] | Max e.i.r.p. Limit [dBm] | e.i.r.p. Margin [dB] |
|------------------------|------------|---------|------|-----------|-----------------------|-------------|--------|-----------------------------|-----------------------------|-----------------------------|--------------------|--------------------------|----------------------|
|                        |            |         |      |           | Antenna WF8           | Antenna WF7 | Summed |                             |                             |                             |                    |                          |                      |
|                        |            |         |      |           |                       |             |        |                             |                             |                             |                    |                          |                      |
|                        | 5190       | 38      | CDD  | MCS0      | 14.46                 | 14.13       | 17.31  | -                           | -                           | 1.10                        | 18.41              | 23.01                    | -4.60                |
|                        | 5230       | 46      | SDM  | MCS0      | 17.75                 | 18.16       | 20.97  | -                           | -                           | -0.01                       | 20.96              | 23.01                    | -2.05                |
|                        | 5270       | 54      | CDD  | MCS0      | 19.72                 | 19.88       | 22.81  | 23.98                       | -1.17                       | 0.40                        | 23.21              | 30.00                    | -6.79                |
|                        | 5310       | 62      | CDD  | MCS0      | 14.77                 | 14.87       | 17.83  | 23.98                       | -6.15                       | 0.40                        | 18.23              | 30.00                    | -11.77               |
|                        | 5510       | 102     | CDD  | MCS0      | 14.58                 | 14.53       | 17.57  | 23.98                       | -6.41                       | 2.10                        | 19.67              | 30.00                    | -10.33               |
|                        | 5550       | 110     | CDD  | MCS3      | 19.01                 | 19.20       | 22.11  | 23.98                       | -1.87                       | 2.10                        | 24.21              | 30.00                    | -5.79                |
|                        | 5670       | 134     | CDD  | MCS0      | 17.27                 | 17.41       | 20.35  | 23.98                       | -3.63                       | 2.10                        | 22.45              | 30.00                    | -7.55                |
|                        | 5710       | 142     | CDD  | MCS0      | 19.98                 | 19.68       | 22.84  | 23.98                       | -1.14                       | 2.10                        | 24.94              | 30.00                    | -5.06                |
|                        | 5755       | 151     | CDD  | MCS0      | 19.73                 | 19.83       | 22.79  | 30.00                       | -7.21                       | 1.60                        | 24.39              | -                        | -                    |
|                        | 5795       | 159     | CDD  | MCS0      | 19.69                 | 19.80       | 22.75  | 30.00                       | -7.25                       | 1.60                        | 24.35              | -                        | -                    |

Table 7-92. ISED CDD/SDM Diversity 40MHz BW 802.11n (UNII) Maximum Conducted Output Power

|                                            |                                                                                                                                   |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                                                                            | EUT Type:<br>Tablet Device | Page 63 of 259                    |

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| 5GHz (40MHz Bandwidth) | Freq [MHz] | Channel | Mode | Data Rate | Conducted Power [dBm] |             |        | Conducted Power Limit [dBm] | Conducted Power Margin [dB] | Directional Ant. Gain [dBi] | Max e.i.r.p. [dBm] | Max e.i.r.p. Limit [dBm] | e.i.r.p. Margin [dB] |
|------------------------|------------|---------|------|-----------|-----------------------|-------------|--------|-----------------------------|-----------------------------|-----------------------------|--------------------|--------------------------|----------------------|
|                        |            |         |      |           | Antenna WF8           | Antenna WF7 | Summed |                             |                             |                             |                    |                          |                      |
|                        |            |         |      |           |                       |             |        |                             |                             |                             |                    |                          |                      |
|                        | 5190       | 38      | CDD  | MCS0      | 13.74                 | 13.92       | 16.84  | -                           | -                           | 1.10                        | 17.94              | 23.01                    | -5.07                |
|                        | 5230       | 46      | SDM  | MCS3      | 17.83                 | 17.93       | 20.89  | -                           | -                           | -0.01                       | 20.88              | 23.01                    | -2.13                |
|                        | 5270       | 54      | CDD  | MCS0      | 19.78                 | 19.87       | 22.83  | 23.98                       | -1.15                       | 0.40                        | 23.23              | 30.00                    | -6.77                |
|                        | 5310       | 62      | CDD  | MCS0      | 13.82                 | 13.93       | 16.88  | 23.98                       | -7.10                       | 0.40                        | 17.28              | 30.00                    | -12.72               |
|                        | 5510       | 102     | CDD  | MCS0      | 13.41                 | 13.33       | 16.38  | 23.98                       | -7.60                       | 2.10                        | 18.48              | 30.00                    | -11.52               |
|                        | 5550       | 110     | CDD  | MCS3      | 18.32                 | 18.48       | 21.41  | 23.98                       | -2.57                       | 2.10                        | 23.51              | 30.00                    | -6.49                |
|                        | 5670       | 134     | CDD  | MCS0      | 16.86                 | 16.65       | 19.77  | 23.98                       | -4.21                       | 2.10                        | 21.87              | 30.00                    | -8.13                |
|                        | 5710       | 142     | CDD  | MCS5      | 19.88                 | 19.85       | 22.87  | 23.98                       | -1.11                       | 2.10                        | 24.97              | 30.00                    | -5.03                |
|                        | 5755       | 151     | CDD  | MCS0      | 19.72                 | 19.79       | 22.76  | 30.00                       | -7.24                       | 1.60                        | 24.36              | -                        | -                    |
|                        | 5795       | 159     | CDD  | MCS0      | 19.68                 | 19.78       | 22.74  | 30.00                       | -7.26                       | 1.60                        | 24.34              | -                        | -                    |

Table 7-93. ISED CDD/SDM Diversity 40MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

| 5GHz (80MHz Bandwidth) | Freq [MHz] | Channel | Mode | Data Rate | Conducted Power [dBm] |             |        | Conducted Power Limit [dBm] | Conducted Power Margin [dB] | Directional Ant. Gain [dBi] | Max e.i.r.p. [dBm] | Max e.i.r.p. Limit [dBm] | e.i.r.p. Margin [dB] |
|------------------------|------------|---------|------|-----------|-----------------------|-------------|--------|-----------------------------|-----------------------------|-----------------------------|--------------------|--------------------------|----------------------|
|                        |            |         |      |           | Antenna WF8           | Antenna WF7 | Summed |                             |                             |                             |                    |                          |                      |
|                        |            |         |      |           |                       |             |        |                             |                             |                             |                    |                          |                      |
|                        | 5210       | 42      | CDD  | MCS3      | 13.36                 | 13.46       | 16.42  | -                           | -                           | 1.10                        | 17.52              | 23.01                    | -5.49                |
|                        | 5290       | 58      | CDD  | MCS0      | 14.28                 | 14.19       | 17.25  | 23.98                       | -6.73                       | 0.40                        | 17.65              | 30.00                    | -12.35               |
|                        | 5530       | 106     | CDD  | MCS0      | 13.21                 | 13.44       | 16.34  | 23.98                       | -7.64                       | 2.10                        | 18.44              | 30.00                    | -11.56               |
|                        | 5690       | 138     | CDD  | MCS0      | 19.86                 | 19.94       | 22.91  | 23.98                       | -1.07                       | 2.10                        | 25.01              | 30.00                    | -4.99                |
|                        | 5775       | 155     | CDD  | MCS0      | 17.97                 | 18.12       | 21.05  | 30.00                       | -8.95                       | 1.60                        | 22.65              | -                        | -                    |

Table 7-94. ISED CDD Diversity 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power

| 5GHz (80MHz Bandwidth) | Freq [MHz] | Channel | Mode | Data Rate | Conducted Power [dBm] |             |        | Conducted Power Limit [dBm] | Conducted Power Margin [dB] | Directional Ant. Gain [dBi] | Max e.i.r.p. [dBm] | Max e.i.r.p. Limit [dBm] | e.i.r.p. Margin [dB] |
|------------------------|------------|---------|------|-----------|-----------------------|-------------|--------|-----------------------------|-----------------------------|-----------------------------|--------------------|--------------------------|----------------------|
|                        |            |         |      |           | Antenna WF8           | Antenna WF7 | Summed |                             |                             |                             |                    |                          |                      |
|                        |            |         |      |           |                       |             |        |                             |                             |                             |                    |                          |                      |
|                        | 5210       | 42      | CDD  | MCS0      | 12.95                 | 12.87       | 15.92  | -                           | -                           | 1.10                        | 17.02              | 23.01                    | -5.99                |
|                        | 5290       | 58      | CDD  | MCS3      | 13.89                 | 13.71       | 16.81  | 23.98                       | -7.17                       | 0.40                        | 17.21              | 30.00                    | -12.79               |
|                        | 5530       | 106     | CDD  | MCS0      | 12.40                 | 12.43       | 15.42  | 23.98                       | -8.56                       | 2.10                        | 17.52              | 30.00                    | -12.48               |
|                        | 5690       | 138     | CDD  | MCS0      | 19.81                 | 19.69       | 22.76  | 23.98                       | -1.22                       | 2.10                        | 24.86              | 30.00                    | -5.14                |
|                        | 5775       | 155     | CDD  | MCS0      | 16.95                 | 16.96       | 19.97  | 30.00                       | -10.03                      | 1.60                        | 21.57              | -                        | -                    |

Table 7-95. ISED CDD Diversity 80MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

| 5GHz (160MHz Bandwidth) | Freq [MHz] | Channel | Mode | Data Rate | Conducted Power [dBm] |             |        | Conducted Power Limit [dBm] | Conducted Power Margin [dB] | Directional Ant. Gain [dBi] | Max e.i.r.p. [dBm] | Max e.i.r.p. Limit [dBm] | e.i.r.p. Margin [dB] |
|-------------------------|------------|---------|------|-----------|-----------------------|-------------|--------|-----------------------------|-----------------------------|-----------------------------|--------------------|--------------------------|----------------------|
|                         |            |         |      |           | Antenna WF8           | Antenna WF7 | Summed |                             |                             |                             |                    |                          |                      |
|                         |            |         |      |           |                       |             |        |                             |                             |                             |                    |                          |                      |
|                         | 5250       | 50      | CDD  | MCS0      | 11.77                 | 11.90       | 14.84  | 23.98                       | -9.14                       | 1.10                        | 15.94              | 23.01                    | -7.07                |

Table 7-96. ISED CDD Diversity 160MHz BW 802.11ac (UNII) Maximum Conducted Output Power

| 5GHz (160MHz Bandwidth) | Freq [MHz] | Channel | Mode | Data Rate | Conducted Power [dBm] |             |        | Conducted Power Limit [dBm] | Conducted Power Margin [dB] | Directional Ant. Gain [dBi] | Max e.i.r.p. [dBm] | Max e.i.r.p. Limit [dBm] | e.i.r.p. Margin [dB] |
|-------------------------|------------|---------|------|-----------|-----------------------|-------------|--------|-----------------------------|-----------------------------|-----------------------------|--------------------|--------------------------|----------------------|
|                         |            |         |      |           | Antenna WF8           | Antenna WF7 | Summed |                             |                             |                             |                    |                          |                      |
|                         |            |         |      |           |                       |             |        |                             |                             |                             |                    |                          |                      |
|                         | 5250       | 50      | CDD  | MCS5      | 11.72                 | 11.93       | 14.84  | 23.98                       | -9.14                       | 1.10                        | 15.94              | 23.01                    | -7.07                |

Table 7-97. ISED CDD Diversity 160MHz BW 802.11be (SU) (UNII) Maximum Conducted Output Power

|                                            |                                                                                                                                   |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                                                                            | EUT Type:<br>Tablet Device | Page 64 of 259                    |

**Note:**

Per ANSI C63.10-2020 and KDB 662911 v02r01 Section E1), the conducted powers at Antenna WF5B and Antenna WF8 were first measured separately during CDD/SDM Diversity transmission as shown in the section above. The measured values were then summed in linear power units then converted back to dBm.

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

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

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

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

**Sample CDD/SDM Diversity Calculation:**

At 5180MHz in 802.11n (20MHz BW) mode, the average conducted output power was measured to be 15.42 dBm for Antenna WF5B and 15.63 dBm for Antenna WF8.

$$\text{Antenna WF5B} + \text{Antenna WF8} = \text{CDD/SDM Diversity}$$

$$(15.42 \text{ dBm} + 15.63 \text{ dBm}) = (34.83 \text{ mW} + 36.56 \text{ mW}) = 71.39 \text{ mW} = 18.54 \text{ dBm}$$

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

At 5180MHz in 802.11n (20MHz BW) mode, the average MIMO conducted power was calculated to be 18.54 dBm with directional gain of 0.72 dBi.

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

$$18.54 \text{ dBm} + 0.72 \text{ dBi} = 19.26 \text{ dBm}$$

|                                                   |                                                                                                                                   |                                   |                                          |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357                |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                                   | <b>Approved by:</b><br>Technical Manager |
| <b>Test Report S/N:</b><br>1C2504170038-13-R1.BCG | <b>Test Dates:</b><br>05/12/2025 - 07/04/2025                                                                                     | <b>EUT Type:</b><br>Tablet Device | Page 65 of 259                           |

## 7.5 Maximum Power Spectral Density

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

### Test Overview and Limit

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

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

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

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

### Test Procedure Used

ANSI C63.10-2020 – Section 12.4.2.2  
 KDB 789033 D02 v02r01 – Section F  
 ANSI C63.10-2020 – Section 14.5.2.2 Measure-and-Sum Technique  
 KDB 662911 v02r01 – Section E)2) Measure-and-Sum Technique

### Test Settings

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

### Test Setup

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



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

### Test Notes

1. All data rates and channels (low, mid, and high) were investigated, and tabular data provided. Only worst-case plots for each bandwidth are reported.
2. The duty cycle correction factor (DCCF) has been applied as an amplitude offset in the spectrum analyzer to ensure the required correction is accurately reflected in the measured Power Spectral Density (PSD). The offset value is indicated on each PSD plot.

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                              | EUT Type:<br>Tablet Device            | Page 66 of 259                    |

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## 7.5.1 Antenna WF5B Power Spectral Density Measurements

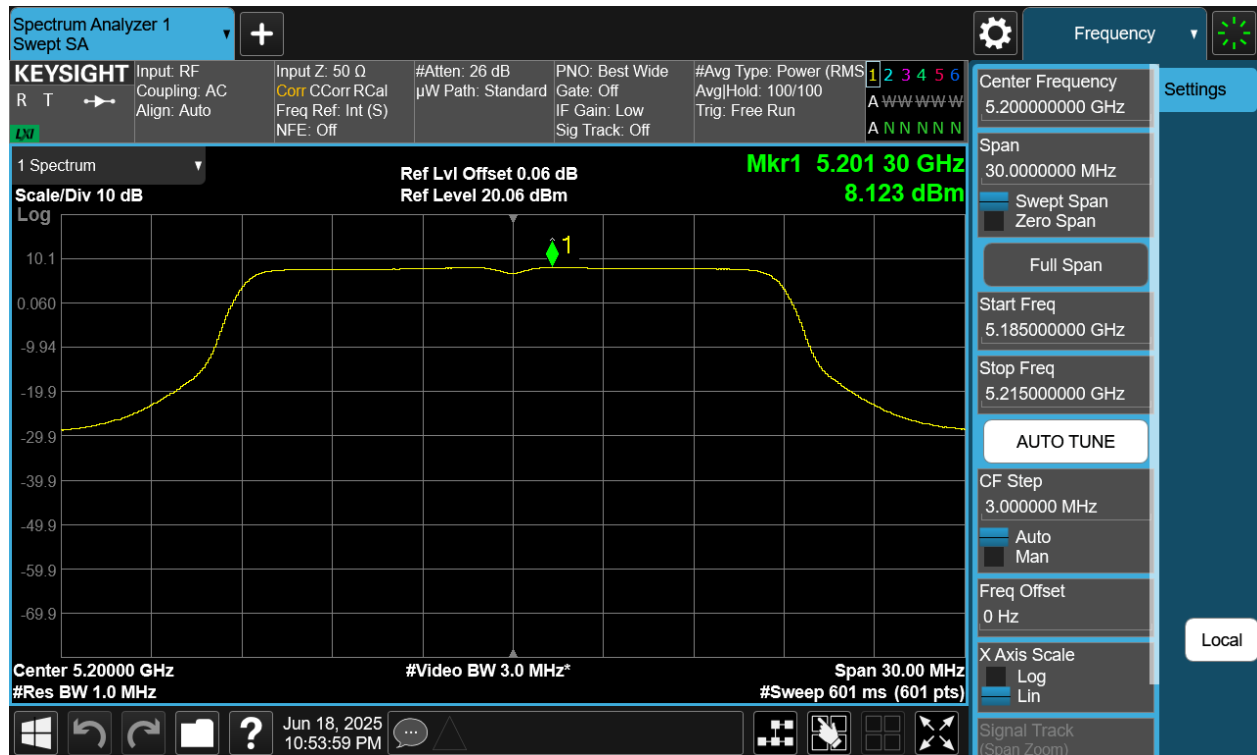
|          | Frequency [MHz] | Channel No. | 802.11 MODE      | Data Rate | Measured Power Density [dBm/MHz] | Max Power Density [dBm/MHz] | Margin [dB] |
|----------|-----------------|-------------|------------------|-----------|----------------------------------|-----------------------------|-------------|
| Band 1   | 5180            | 36          | a                | 6Mbps     | 6.40                             | 11.00                       | -4.61       |
|          | 5200            | 40          | a                | 6Mbps     | 8.12                             | 11.00                       | -2.88       |
|          | 5240            | 48          | a                | 18Mbps    | 7.82                             | 11.00                       | -3.19       |
|          | 5180            | 36          | n (20MHz)        | MCS0      | 6.42                             | 11.00                       | -4.58       |
|          | 5200            | 40          | n (20MHz)        | MCS5      | 7.96                             | 11.00                       | -3.04       |
|          | 5240            | 48          | n (20MHz)        | MCS5      | 7.84                             | 11.00                       | -3.16       |
|          | 5180            | 36          | be (SU) (20MHz)  | MCS0      | 5.64                             | 11.00                       | -5.36       |
|          | 5200            | 40          | be (SU) (20MHz)  | MCS5      | 7.86                             | 11.00                       | -3.14       |
|          | 5240            | 48          | be (SU) (20MHz)  | MCS5      | 7.79                             | 11.00                       | -3.21       |
|          | 5190            | 38          | n (40MHz)        | MCS3      | 0.65                             | 11.00                       | -10.35      |
|          | 5230            | 46          | n (40MHz)        | MCS5      | 5.17                             | 11.00                       | -5.83       |
|          | 5190            | 38          | be (SU) (40MHz)  | MCS3      | -0.33                            | 11.00                       | -11.33      |
|          | 5230            | 46          | be (SU) (40MHz)  | MCS5      | 4.87                             | 11.00                       | -6.13       |
|          | 5210            | 42          | ac (80MHz)       | MCS0      | -3.34                            | 11.00                       | -14.34      |
|          | 5210            | 42          | be (SU) (80MHz)  | MCS0      | -3.38                            | 11.00                       | -14.38      |
| Band 1/2 | 5250            | 50          | ac (160MHz)      | MCS5      | -7.06                            | 11.00                       | -18.06      |
|          | 5250            | 50          | be (SU) (160MHz) | MCS5      | -7.86                            | 11.00                       | -18.86      |
| Band 2A  | 5260            | 52          | a                | 36Mbps    | 7.98                             | 11.00                       | -3.02       |
|          | 5300            | 60          | a                | 18Mbps    | 8.08                             | 11.00                       | -2.92       |
|          | 5320            | 64          | a                | 6Mbps     | 5.84                             | 11.00                       | -5.16       |
|          | 5260            | 52          | n (20MHz)        | MCS5      | 8.00                             | 11.00                       | -3.00       |
|          | 5300            | 60          | n (20MHz)        | MCS5      | 8.11                             | 11.00                       | -2.89       |
|          | 5320            | 64          | n (20MHz)        | MCS0      | 5.84                             | 11.00                       | -5.17       |
|          | 5260            | 52          | be (SU) (20MHz)  | MCS5      | 7.69                             | 11.00                       | -3.31       |
|          | 5300            | 60          | be (SU) (20MHz)  | MCS5      | 7.75                             | 11.00                       | -3.25       |
|          | 5320            | 64          | be (SU) (20MHz)  | MCS0      | 5.08                             | 11.00                       | -5.92       |
|          | 5270            | 54          | n (40MHz)        | MCS5      | 5.00                             | 11.00                       | -6.00       |
|          | 5310            | 62          | n (40MHz)        | MCS0      | 0.61                             | 11.00                       | -10.39      |
|          | 5270            | 54          | be (SU) (40MHz)  | MCS5      | 4.75                             | 11.00                       | -6.25       |
|          | 5310            | 62          | be (SU) (40MHz)  | MCS0      | -0.12                            | 11.00                       | -11.12      |
|          | 5290            | 58          | ac (80MHz)       | MCS0      | -2.60                            | 11.00                       | -13.60      |
|          | 5290            | 58          | be (SU) (80MHz)  | MCS0      | -3.63                            | 11.00                       | -14.63      |
| Band 2C  | 5500            | 100         | a                | 18Mbps    | 4.91                             | 11.00                       | -6.09       |
|          | 5580            | 116         | a                | 36Mbps    | 8.02                             | 11.00                       | -2.98       |
|          | 5720            | 144         | a                | 36Mbps    | 8.06                             | 11.00                       | -2.95       |
|          | 5500            | 100         | n (20MHz)        | MCS3      | 4.90                             | 11.00                       | -6.10       |
|          | 5580            | 116         | n (20MHz)        | MCS5      | 8.03                             | 11.00                       | -2.97       |
|          | 5720            | 144         | n (20MHz)        | MCS5      | 8.05                             | 11.00                       | -2.96       |
|          | 5500            | 100         | be (SU) (20MHz)  | MCS3      | 4.42                             | 11.00                       | -6.58       |
|          | 5580            | 116         | be (SU) (20MHz)  | MCS5      | 7.76                             | 11.00                       | -3.24       |
|          | 5720            | 144         | be (SU) (20MHz)  | MCS5      | 7.72                             | 11.00                       | -3.28       |
|          | 5510            | 102         | n (40MHz)        | MCS0      | 0.38                             | 11.00                       | -10.63      |
|          | 5550            | 110         | n (40MHz)        | MCS5      | 4.53                             | 11.00                       | -6.47       |
|          | *5590           | 118         | n (40MHz)        | MCS5      | 5.22                             | 11.00                       | -5.79       |
|          | 5670            | 134         | n (40MHz)        | MCS0      | 3.18                             | 11.00                       | -7.82       |
|          | 5710            | 142         | n (40MHz)        | MCS5      | 5.23                             | 11.00                       | -5.77       |
|          | 5510            | 102         | be (SU) (40MHz)  | MCS0      | -1.08                            | 11.00                       | -12.08      |
|          | 5550            | 110         | be (SU) (40MHz)  | MCS5      | 3.33                             | 11.00                       | -7.67       |
|          | 5710            | 142         | be (SU) (40MHz)  | MCS5      | 4.98                             | 11.00                       | -6.02       |
|          | 5530            | 106         | ac (80MHz)       | MCS0      | -4.08                            | 11.00                       | -15.08      |
|          | *5610           | 122         | ac (80MHz)       | MCS0      | 0.57                             | 11.00                       | -10.43      |
|          | 5690            | 138         | ac (80MHz)       | MCS5      | 2.38                             | 11.00                       | -8.62       |
|          | 5530            | 106         | be (SU) (80MHz)  | MCS3      | -4.92                            | 11.00                       | -15.92      |
|          | *5610           | 122         | be (SU) (80MHz)  | MCS5      | 0.08                             | 11.00                       | -10.92      |
|          | 5690            | 138         | be (SU) (80MHz)  | MCS5      | 2.31                             | 11.00                       | -8.69       |
|          | *5570           | 114         | ac (160MHz)      | MCS3      | -7.50                            | 11.00                       | -18.50      |
|          | *5570           | 114         | be (SU) (160MHz) | MCS3      | -7.83                            | 11.00                       | -18.83      |

**Table 7-98. Bands 1, 2A, 2C Power Spectral Density Measurements Antenna WF5B**

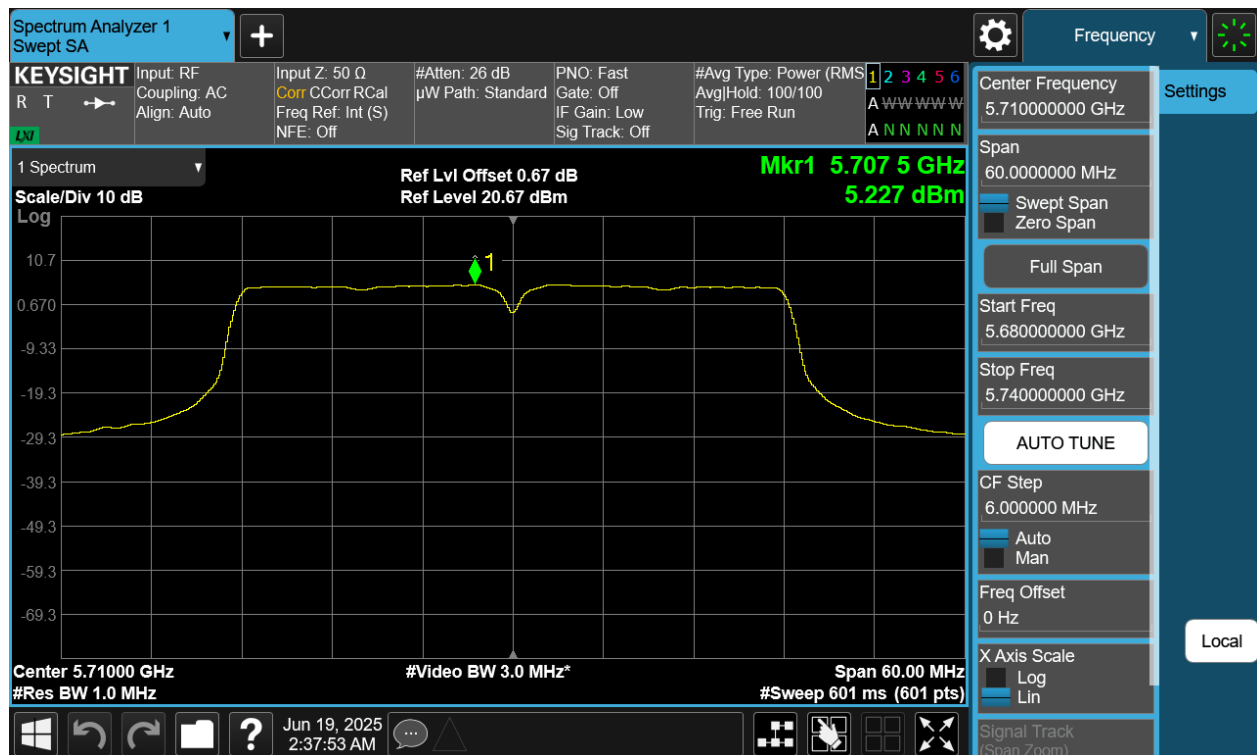
\*TDWR channel is not supported for ISSED (denoted by a \* next to the frequency)

|                                            |                                                                                                                                   |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                                                                            | EUT Type:<br>Tablet Device | Page 67 of 259                    |

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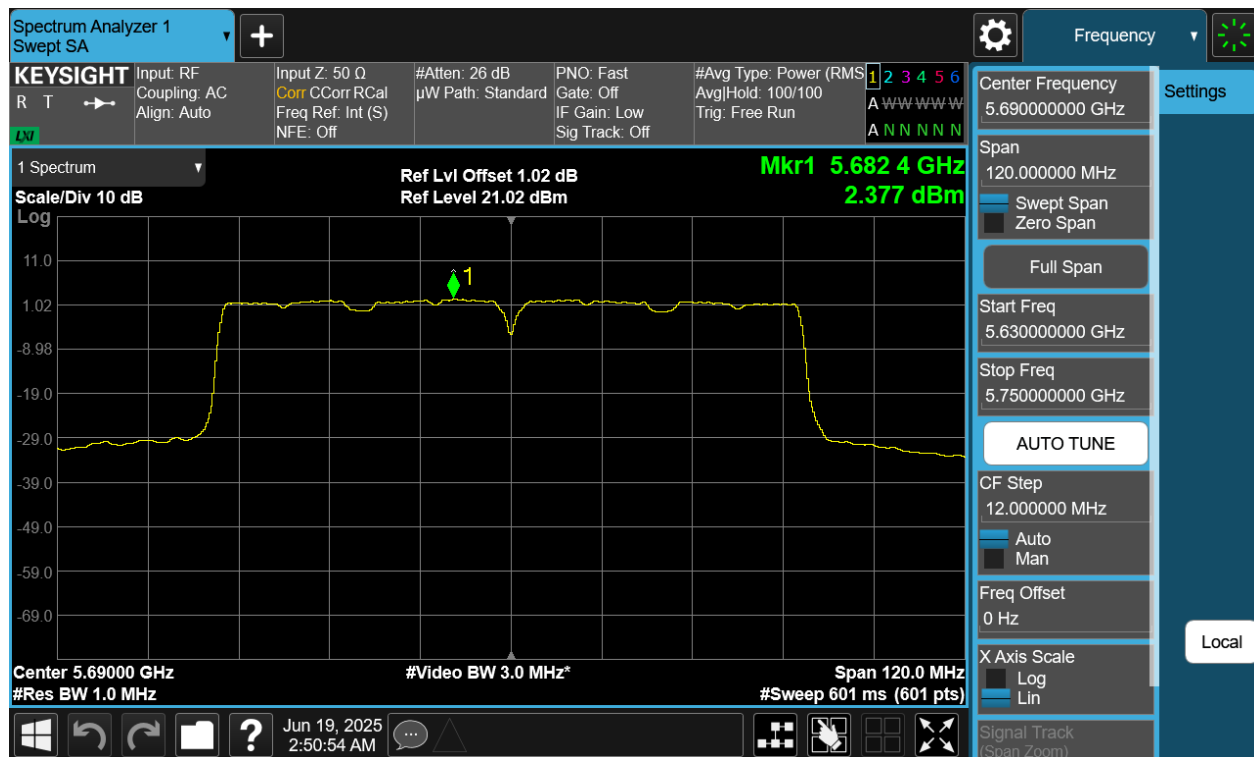


Plot 7-22 PSD Antenna WF5B (20MHz BW 802.11a - Ch.40)

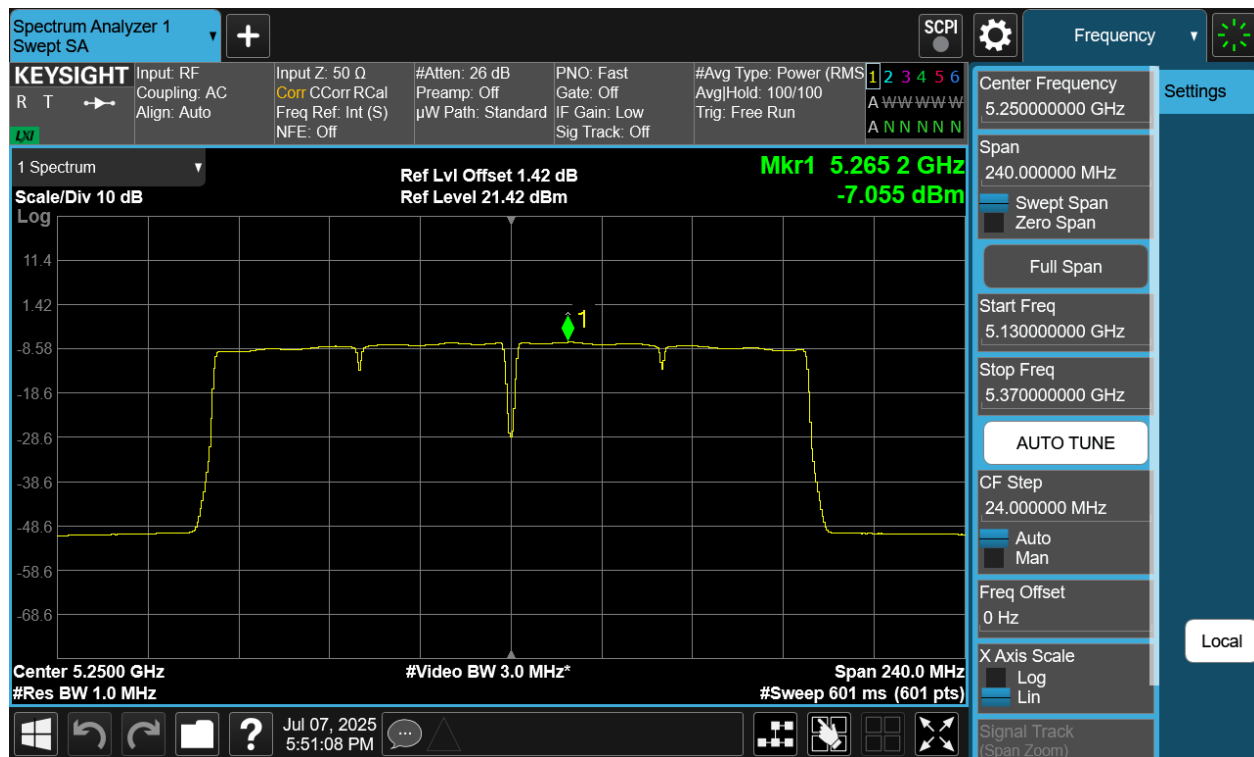


Plot 7-23 PSD Antenna WF5B (40MHz BW 802.11n - Ch.142)

|                                            |                                        |                                       |                                   |
|--------------------------------------------|----------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         | element                                | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025 | EUT Type:<br>Tablet Device            | Page 68 of 259                    |



Plot 7-24 PSD Antenna WF5B (80MHz BW 802.11ac - Ch.138)



Plot 7-25 PSD Antenna WF5B (160MHz BW 802.11ac - Ch.50)

|                                            |                                        |                                       |                                   |
|--------------------------------------------|----------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         | element                                | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025 | EUT Type:<br>Tablet Device            | Page 69 of 259                    |

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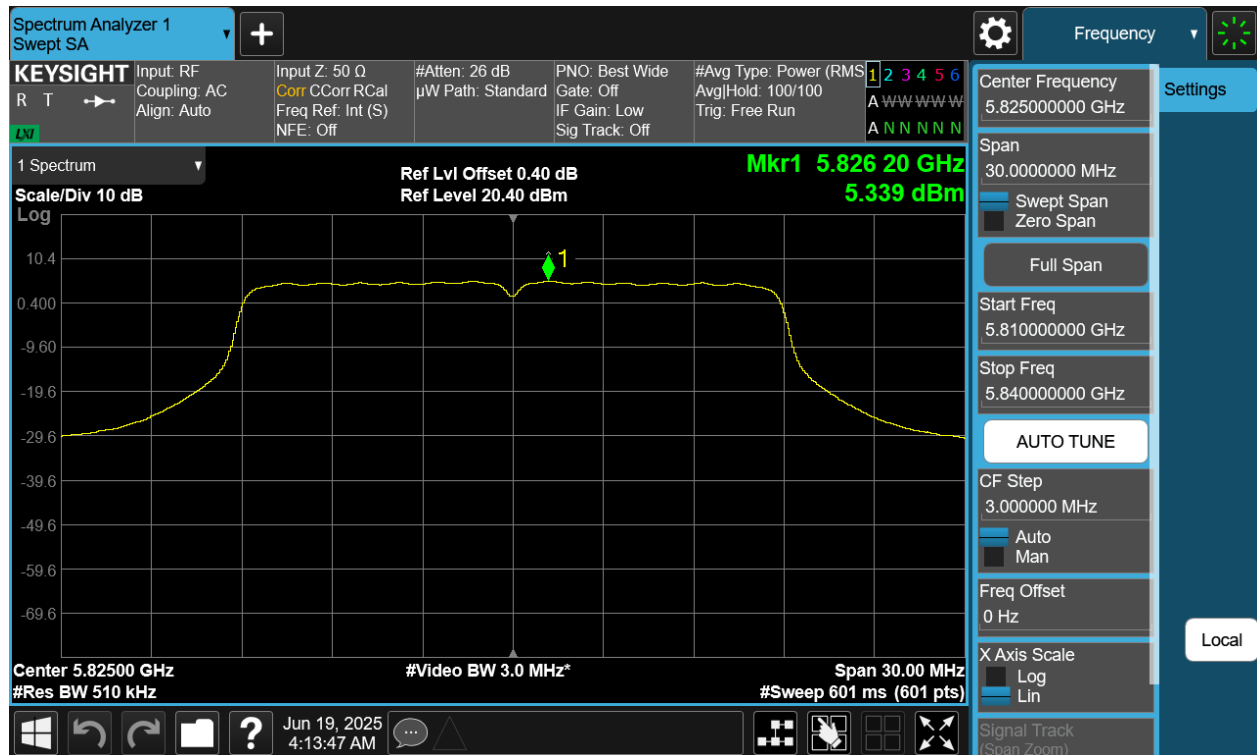
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|        | Frequency [MHz] | Channel | 802.11 MODE     | Data Rate | Measured Power Density [dBm/500kHz] | Max Permissible Power Density [dBm/500kHz] | Margin [dB] |
|--------|-----------------|---------|-----------------|-----------|-------------------------------------|--------------------------------------------|-------------|
| Band 3 | 5745            | 149     | a               | 36Mbps    | 5.18                                | 30.0                                       | -24.8       |
|        | 5785            | 157     | a               | 36Mbps    | 5.16                                | 30.0                                       | -24.8       |
|        | 5825            | 165     | a               | 36Mbps    | 5.30                                | 30.0                                       | -24.7       |
|        | 5745            | 149     | n (20MHz)       | MCS5      | 5.25                                | 30.0                                       | -24.76      |
|        | 5785            | 157     | n (20MHz)       | MCS5      | 5.23                                | 30.0                                       | -24.77      |
|        | 5825            | 165     | n (20MHz)       | MCS5      | 5.34                                | 30.0                                       | -24.66      |
|        | 5745            | 149     | be (SU) (20MHz) | MCS5      | 5.19                                | 30.0                                       | -24.81      |
|        | 5785            | 157     | be (SU) (20MHz) | MCS5      | 5.18                                | 30.0                                       | -24.82      |
|        | 5825            | 165     | be (SU) (20MHz) | MCS5      | 5.31                                | 30.0                                       | -24.69      |
|        | 5755            | 151     | n (40MHz)       | MCS5      | 2.70                                | 30.0                                       | -27.30      |
|        | 5795            | 159     | n (40MHz)       | MCS5      | 2.84                                | 30.0                                       | -27.16      |
|        | 5755            | 151     | be (SU) (40MHz) | MCS5      | 2.34                                | 30.0                                       | -27.66      |
|        | 5795            | 159     | be (SU) (40MHz) | MCS5      | 2.52                                | 30.0                                       | -27.48      |
|        | 5775            | 155     | ac (80MHz)      | MCS5      | -1.87                               | 30.0                                       | -31.87      |
|        | 5775            | 155     | be (SU) (80MHz) | MCS5      | -2.57                               | 30.0                                       | -32.57      |

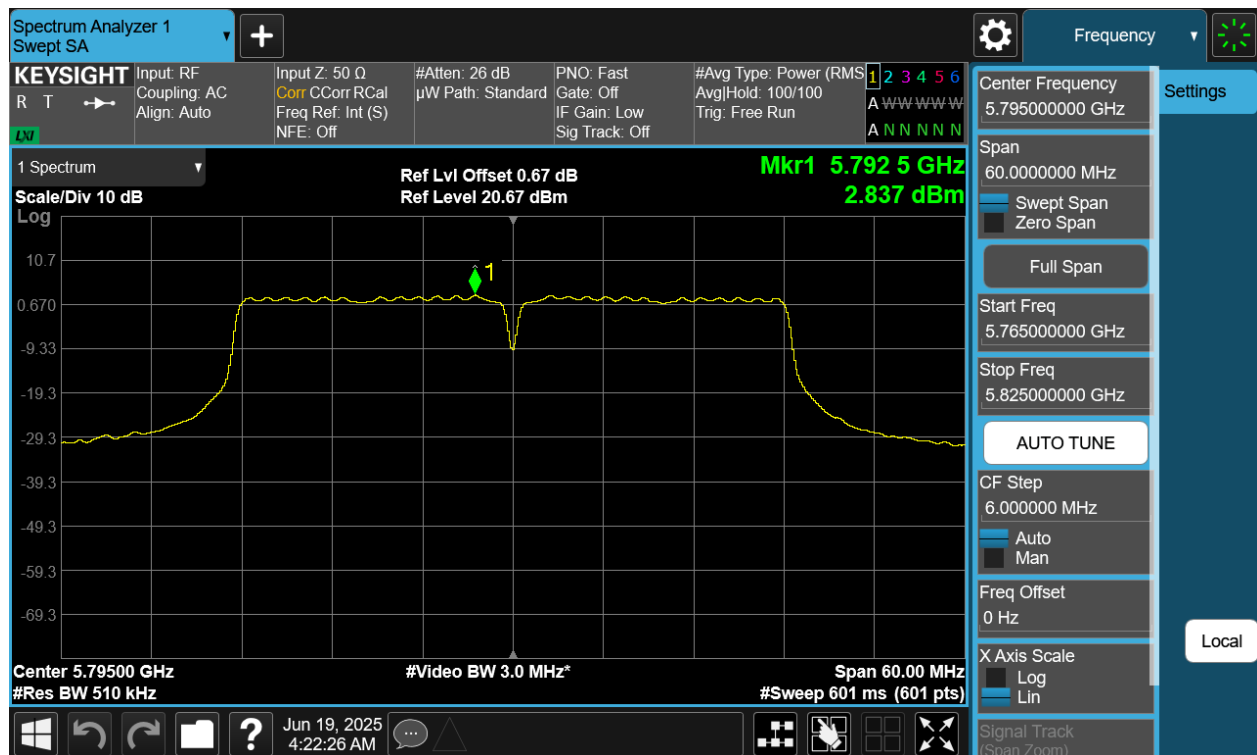
**Table 7-99. Band 3 Power Spectral Density Measurements Antenna WF5B**

|                                            |                                                                                                                                   |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                                                                            | EUT Type:<br>Tablet Device | Page 70 of 259                    |

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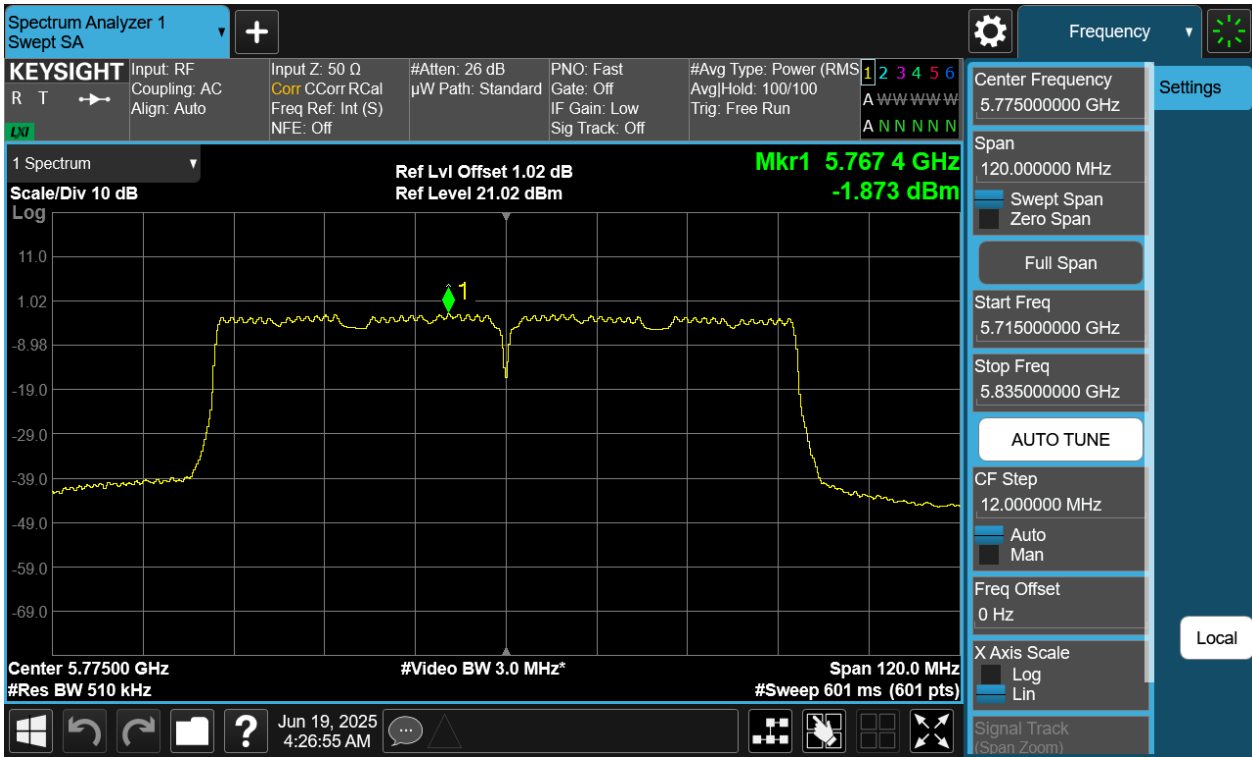


Plot 7-26 PSD Antenna WF5B (20MHz BW 802.11n - Ch.165)



Plot 7-27 PSD Antenna WF5B (40MHz BW 802.11n - Ch.159)

|                                            |                                        |                                       |                                   |
|--------------------------------------------|----------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         | element                                | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025 | EUT Type:<br>Tablet Device            | Page 71 of 259                    |



Plot 7-28 PSD Antenna WF5B (80MHz BW 802.11ac - Ch.155)

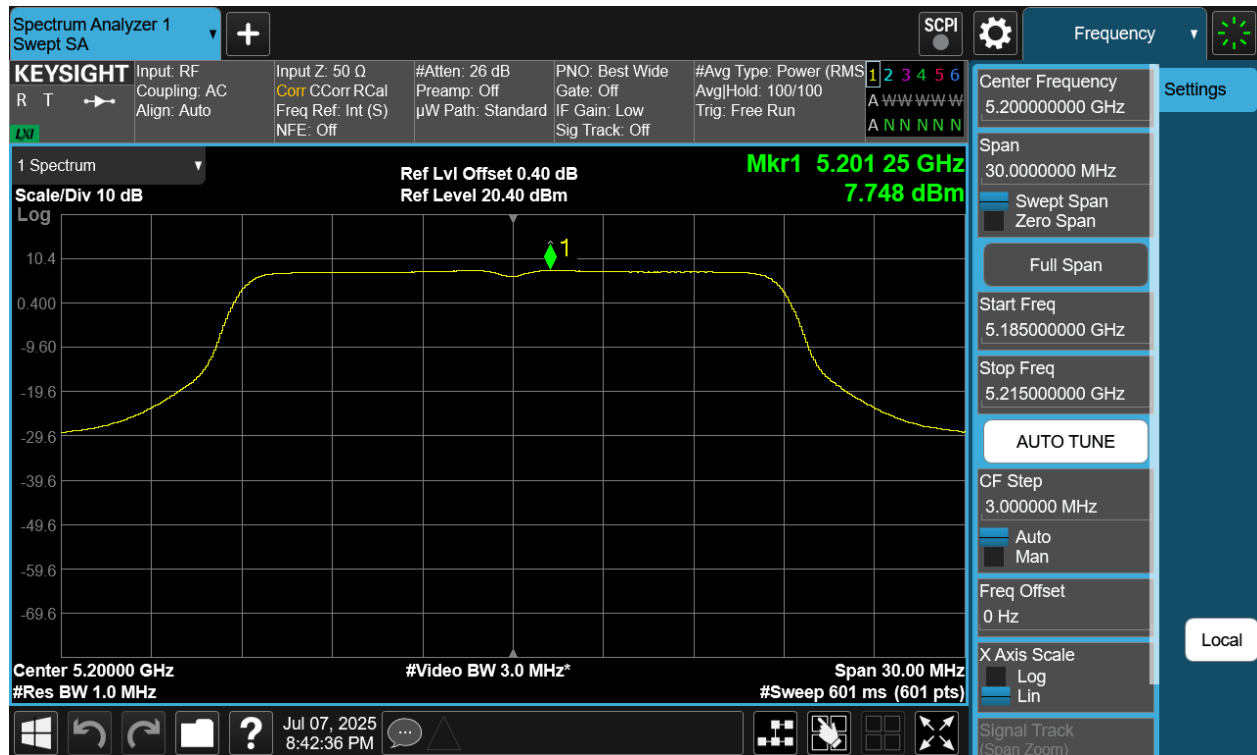
|                                                   |                                                                                     |                                               |                                          |
|---------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------|------------------------------------------|
| <b>FCC ID:</b> BCGA3357<br><b>IC:</b> 579C-A3357  |  | <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> | <b>Approved by:</b><br>Technical Manager |
| <b>Test Report S/N:</b><br>1C2504170038-13-R1.BCG | <b>Test Dates:</b><br>05/12/2025 - 07/04/2025                                       | <b>EUT Type:</b><br>Tablet Device             | Page 72 of 259                           |

|          | Frequency [MHz] | Channel No. | 802.11 MODE      | Data Rate | Measured Power Density [dBm/MHz] | Antenna Gain [dBi] | e.i.r.p. Power Density [dBm/MHz] | ISED Max e.i.r.p. Power Density [dBm/MHz] | Margin [dB] |
|----------|-----------------|-------------|------------------|-----------|----------------------------------|--------------------|----------------------------------|-------------------------------------------|-------------|
| Band 1   | 5180            | 36          | a                | 6Mbps     | 6.25                             | 0.30               | 6.55                             | 10.0                                      | -3.45       |
|          | 5200            | 40          | a                | 36Mbps    | 7.74                             | 0.30               | 8.04                             | 10.0                                      | -1.96       |
|          | 5240            | 48          | a                | 36Mbps    | 7.64                             | 0.30               | 7.94                             | 10.0                                      | -2.06       |
|          | 5180            | 36          | n (20MHz)        | MCS0      | 6.30                             | 0.30               | 6.60                             | 10.0                                      | -3.40       |
|          | 5200            | 40          | n (20MHz)        | MCS5      | 7.75                             | 0.30               | 8.05                             | 10.0                                      | -1.95       |
|          | 5240            | 48          | n (20MHz)        | MCS5      | 7.48                             | 0.30               | 7.78                             | 10.0                                      | -2.22       |
|          | 5180            | 36          | be (SU) (20MHz)  | MCS0      | 5.66                             | 0.30               | 5.96                             | 10.0                                      | -4.04       |
|          | 5200            | 40          | be (SU) (20MHz)  | MCS5      | 7.51                             | 0.30               | 7.81                             | 10.0                                      | -2.20       |
|          | 5240            | 48          | be (SU) (20MHz)  | MCS5      | 7.40                             | 0.30               | 7.70                             | 10.0                                      | -2.31       |
|          | 5190            | 38          | n (40MHz)        | MCS0      | 0.27                             | 0.30               | 0.57                             | 10.0                                      | -9.44       |
|          | 5230            | 46          | n (40MHz)        | MCS3      | 4.88                             | 0.30               | 5.18                             | 10.0                                      | -4.82       |
|          | 5190            | 38          | be (SU) (40MHz)  | MCS0      | -0.33                            | 0.30               | -0.03                            | 10.0                                      | -10.03      |
|          | 5230            | 46          | be (SU) (40MHz)  | MCS3      | 4.66                             | 0.30               | 4.96                             | 10.0                                      | -5.04       |
|          | 5210            | 42          | ac (80MHz)       | MCS0      | -3.33                            | 0.30               | -3.03                            | 10.0                                      | -13.03      |
|          | 5210            | 42          | be (SU) (80MHz)  | MCS0      | -4.00                            | 0.30               | -3.70                            | 10.0                                      | -13.70      |
| Band 1/2 | 5250            | 50          | ac (160MHz)      | MCS5      | -7.08                            | 0.30               | -6.78                            | 10.0                                      | -16.78      |
|          | 5250            | 50          | be (SU) (160MHz) | MCS5      | -7.15                            | 0.30               | -6.85                            | 10.0                                      | -16.85      |

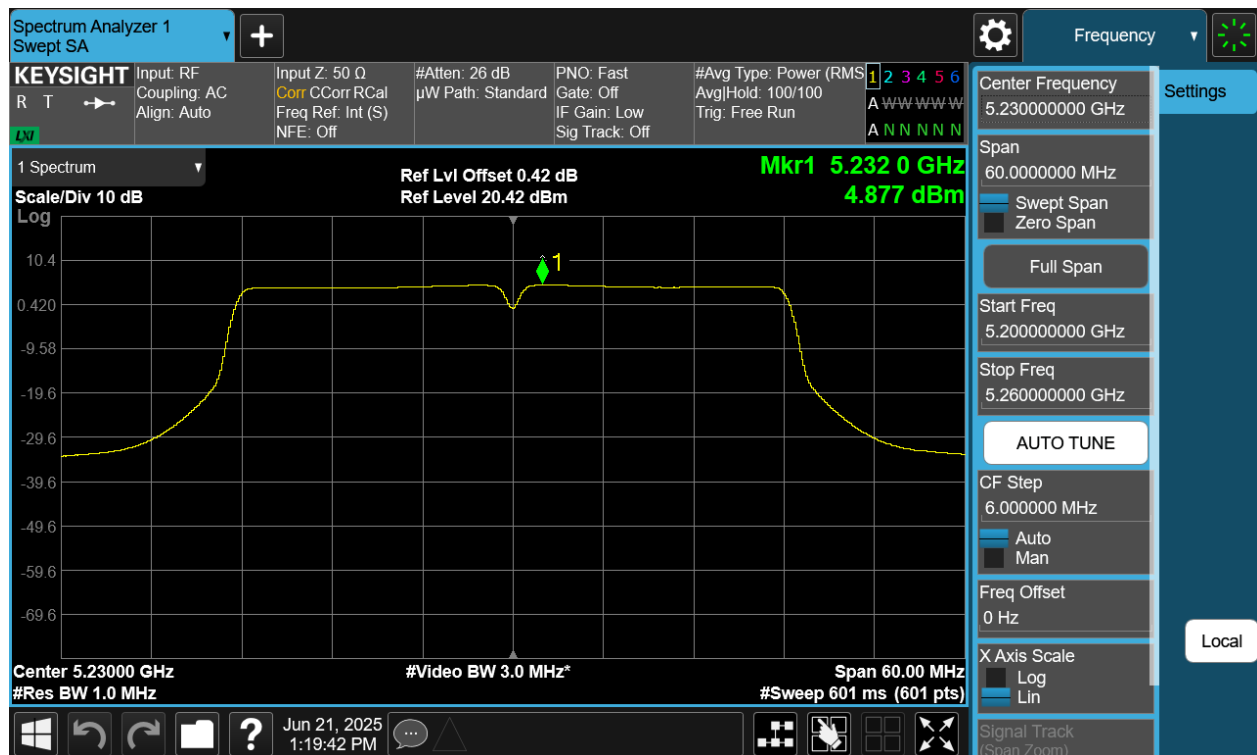
**Table 7-100. ISED Band 1 e.i.r.p. Power Spectral Density Measurements Antenna WF5B**

|                                                   |                                                                                                                               |                                   |                                          |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------------------|
| <b>FCC ID:</b> BCGA3357<br><b>IC:</b> 579C-A3357  |  <b>MEASUREMENT REPORT (CERTIFICATION)</b> |                                   | <b>Approved by:</b><br>Technical Manager |
| <b>Test Report S/N:</b><br>1C2504170038-13-R1.BCG | <b>Test Dates:</b><br>05/12/2025 - 07/04/2025                                                                                 | <b>EUT Type:</b><br>Tablet Device | Page 73 of 259                           |

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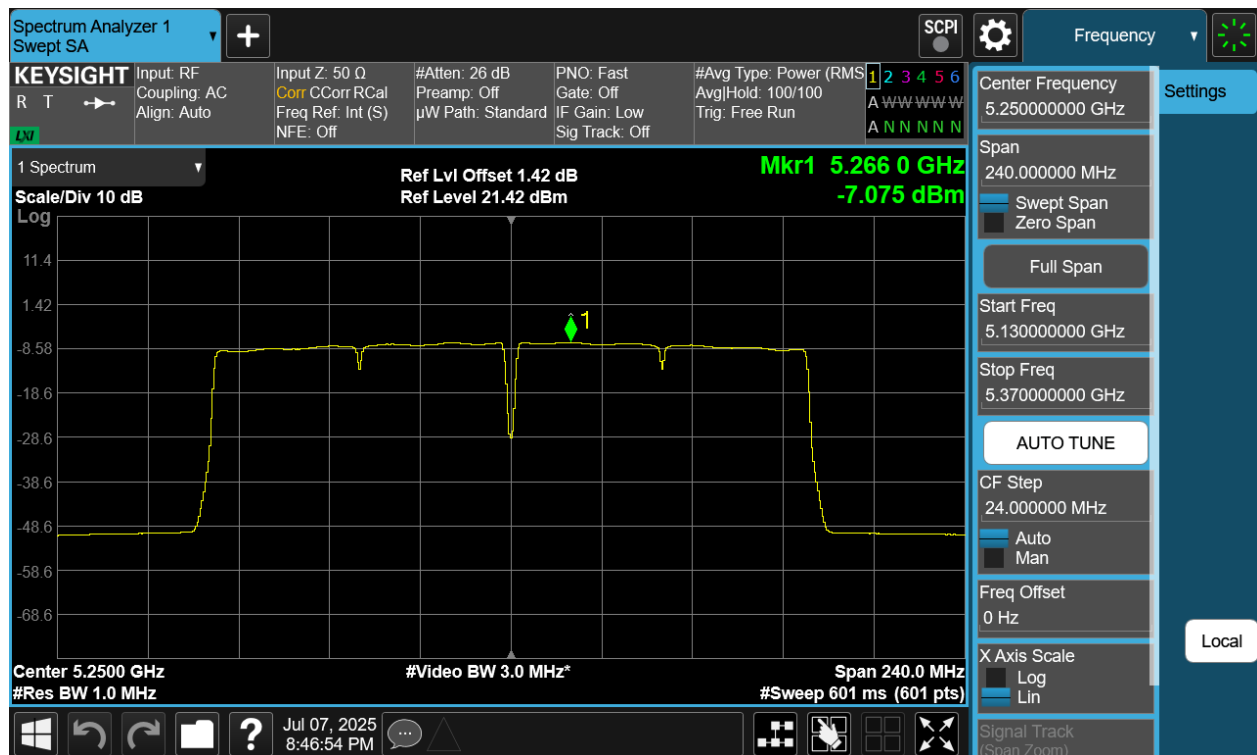
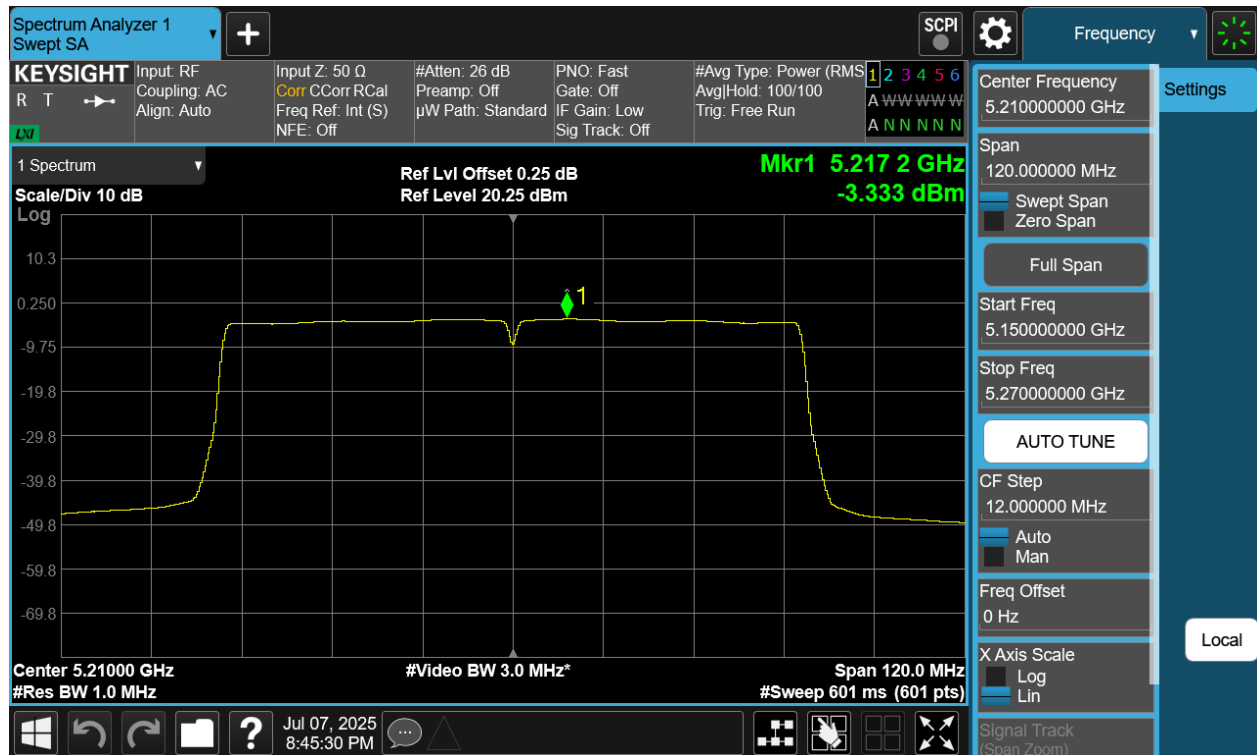


Plot 7-29 PSD Antenna WF5B (20MHz BW 802.11n - Ch.40)



Plot 7-30 PSD Antenna WF5B (40MHz BW 802.11n - Ch.46)

|                                            |                                        |                                       |                                   |
|--------------------------------------------|----------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         | element                                | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025 | EUT Type:<br>Tablet Device            | Page 74 of 259                    |



|                                            |                                        |                                       |                                   |
|--------------------------------------------|----------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         | element                                | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025 | EUT Type:<br>Tablet Device            | Page 75 of 259                    |

## 7.5.2 Antenna WF8 Power Spectral Density Measurements

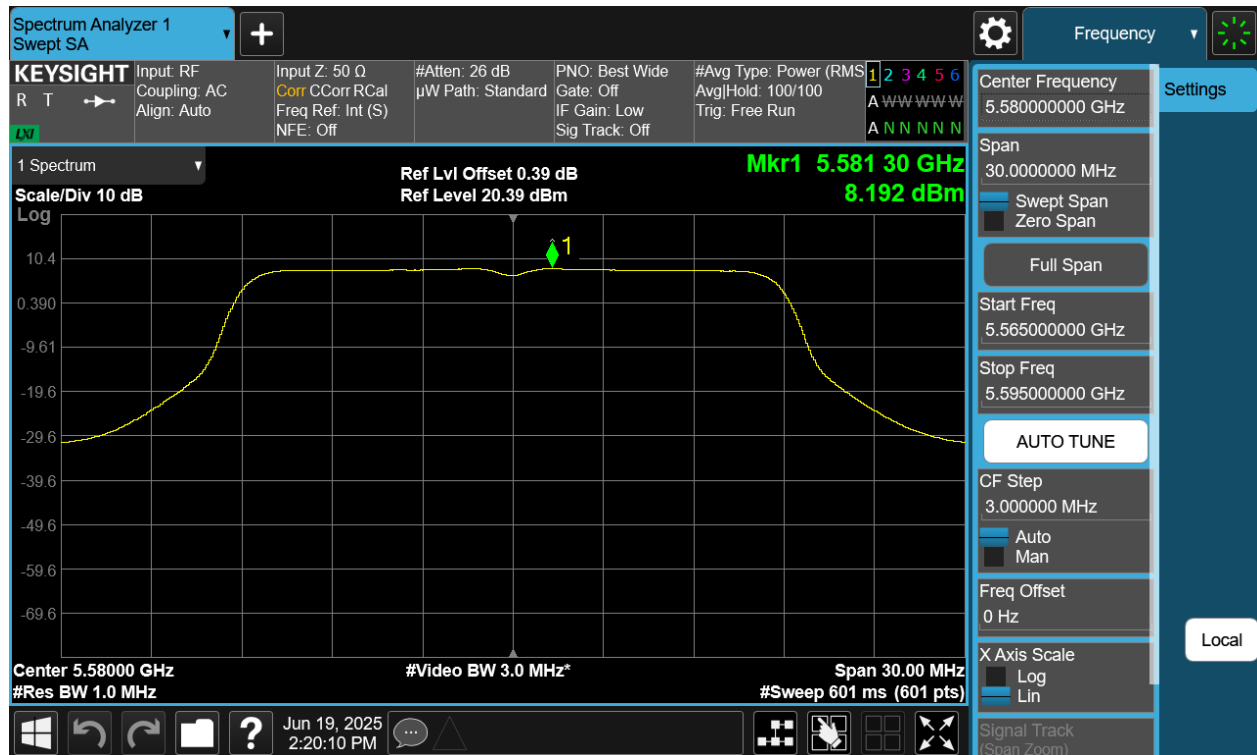
|          | Frequency [MHz] | Channel No. | 802.11 MODE      | Data Rate | Measured Power Density [dBm/MHz] | Max Power Density [dBm/MHz] | Margin [dB] |
|----------|-----------------|-------------|------------------|-----------|----------------------------------|-----------------------------|-------------|
| Band 1   | 5180            | 36          | a                | 6Mbps     | 5.70                             | 11.00                       | -5.30       |
|          | 5200            | 40          | a                | 18Mbps    | 7.94                             | 11.00                       | -3.06       |
|          | 5240            | 48          | a                | 36Mbps    | 7.91                             | 11.00                       | -3.09       |
|          | 5180            | 36          | n (20MHz)        | MCS0      | 5.68                             | 11.00                       | -5.32       |
|          | 5200            | 40          | n (20MHz)        | MCS5      | 7.96                             | 11.00                       | -3.04       |
|          | 5240            | 48          | n (20MHz)        | MCS5      | 7.95                             | 11.00                       | -3.05       |
|          | 5180            | 36          | be (SU) (20MHz)  | MCS0      | 4.88                             | 11.00                       | -6.12       |
|          | 5200            | 40          | be (SU) (20MHz)  | MCS5      | 7.46                             | 11.00                       | -3.54       |
|          | 5240            | 48          | be (SU) (20MHz)  | MCS5      | 7.45                             | 11.00                       | -3.55       |
|          | 5190            | 38          | n (40MHz)        | MCS3      | 0.22                             | 11.00                       | -10.78      |
|          | 5230            | 46          | n (40MHz)        | MCS5      | 5.19                             | 11.00                       | -5.81       |
|          | 5190            | 38          | be (SU) (40MHz)  | MCS3      | -1.78                            | 11.00                       | -12.78      |
|          | 5230            | 46          | be (SU) (40MHz)  | MCS5      | 5.00                             | 11.00                       | -6.00       |
|          | 5210            | 42          | ac (80MHz)       | MCS3      | -4.38                            | 11.00                       | -15.38      |
| Band 1/2 | 5210            | 42          | be (SU) (80MHz)  | MCS0      | -4.03                            | 11.00                       | -15.03      |
|          | 5250            | 50          | ac (160MHz)      | MCS5      | -8.39                            | 11.00                       | -19.39      |
| Band 2A  | 5250            | 50          | be (SU) (160MHz) | MCS5      | -9.89                            | 11.00                       | -20.89      |
|          | 5260            | 52          | a                | 6Mbps     | 8.09                             | 11.00                       | -2.91       |
|          | 5300            | 60          | a                | 18Mbps    | 7.95                             | 11.00                       | -3.06       |
|          | 5320            | 64          | a                | 36Mbps    | 4.36                             | 11.00                       | -6.64       |
|          | 5260            | 52          | n (20MHz)        | MCS5      | 7.99                             | 11.00                       | -3.01       |
|          | 5300            | 60          | n (20MHz)        | MCS5      | 8.00                             | 11.00                       | -3.00       |
|          | 5320            | 64          | n (20MHz)        | MCS5      | 4.42                             | 11.00                       | -6.58       |
|          | 5260            | 52          | be (SU) (20MHz)  | MCS5      | 7.70                             | 11.00                       | -3.30       |
|          | 5300            | 60          | be (SU) (20MHz)  | MCS5      | 7.72                             | 11.00                       | -3.28       |
|          | 5320            | 64          | be (SU) (20MHz)  | MCS0      | 3.85                             | 11.00                       | -7.15       |
|          | 5270            | 54          | n (40MHz)        | MCS5      | 5.22                             | 11.00                       | -5.78       |
|          | 5310            | 62          | n (40MHz)        | MCS5      | -0.38                            | 11.00                       | -11.38      |
|          | 5270            | 54          | be (SU) (40MHz)  | MCS5      | 5.03                             | 11.00                       | -5.97       |
|          | 5310            | 62          | be (SU) (40MHz)  | MCS0      | -1.09                            | 11.00                       | -12.09      |
|          | 5290            | 58          | ac (80MHz)       | MCS5      | -3.72                            | 11.00                       | -14.72      |
|          | 5290            | 58          | be (SU) (80MHz)  | MCS5      | -4.49                            | 11.00                       | -15.49      |
| Band 2C  | 5500            | 100         | a                | 18Mbps    | 4.50                             | 11.00                       | -6.50       |
|          | 5580            | 116         | a                | 18Mbps    | 8.15                             | 11.00                       | -2.86       |
|          | 5720            | 144         | a                | 36Mbps    | 8.08                             | 11.00                       | -2.92       |
|          | 5500            | 100         | n (20MHz)        | MCS3      | 4.53                             | 11.00                       | -6.48       |
|          | 5580            | 116         | n (20MHz)        | MCS5      | 8.19                             | 11.00                       | -2.81       |
|          | 5720            | 144         | n (20MHz)        | MCS3      | 8.08                             | 11.00                       | -2.92       |
|          | 5500            | 100         | be (SU) (20MHz)  | MCS3      | 2.67                             | 11.00                       | -8.33       |
|          | 5580            | 116         | be (SU) (20MHz)  | MCS0      | 7.85                             | 11.00                       | -3.15       |
|          | 5720            | 144         | be (SU) (20MHz)  | MCS5      | 7.82                             | 11.00                       | -3.18       |
|          | 5510            | 102         | n (40MHz)        | MCS0      | 0.20                             | 11.00                       | -10.80      |
|          | 5550            | 110         | n (40MHz)        | MCS0      | 5.09                             | 11.00                       | -5.91       |
|          | *5590           | 118         | n (40MHz)        | MCS5      | 5.30                             | 11.00                       | -5.70       |
|          | 5670            | 134         | n (40MHz)        | MCS0      | 2.51                             | 11.00                       | -8.49       |
|          | 5710            | 142         | n (40MHz)        | MCS5      | 5.37                             | 11.00                       | -5.63       |
|          | 5510            | 102         | be (SU) (40MHz)  | MCS0      | -1.88                            | 11.00                       | -12.88      |
|          | 5550            | 110         | be (SU) (40MHz)  | MCS5      | 4.56                             | 11.00                       | -6.44       |
|          | 5710            | 142         | be (SU) (40MHz)  | MCS0      | 5.03                             | 11.00                       | -5.97       |
|          | 5530            | 106         | ac (80MHz)       | MCS3      | -4.35                            | 11.00                       | -15.35      |
|          | *5610           | 122         | ac (80MHz)       | MCS3      | 0.71                             | 11.00                       | -10.29      |
|          | 5690            | 138         | ac (80MHz)       | MCS5      | 2.54                             | 11.00                       | -8.46       |
|          | 5530            | 106         | be (SU) (80MHz)  | MCS3      | -5.10                            | 11.00                       | -16.10      |
|          | *5610           | 122         | be (SU) (80MHz)  | MCS5      | 0.47                             | 11.00                       | -10.54      |
|          | 5690            | 138         | be (SU) (80MHz)  | MCS5      | 2.31                             | 11.00                       | -8.69       |
|          | *5570           | 114         | ac (160MHz)      | MCS5      | -7.90                            | 11.00                       | -18.90      |
|          | *5570           | 114         | be (SU) (160MHz) | MCS3      | -8.11                            | 11.00                       | -19.11      |

**Table 7-101. Bands 1, 2A, 2C Power Spectral Density Measurements Antenna WF8**

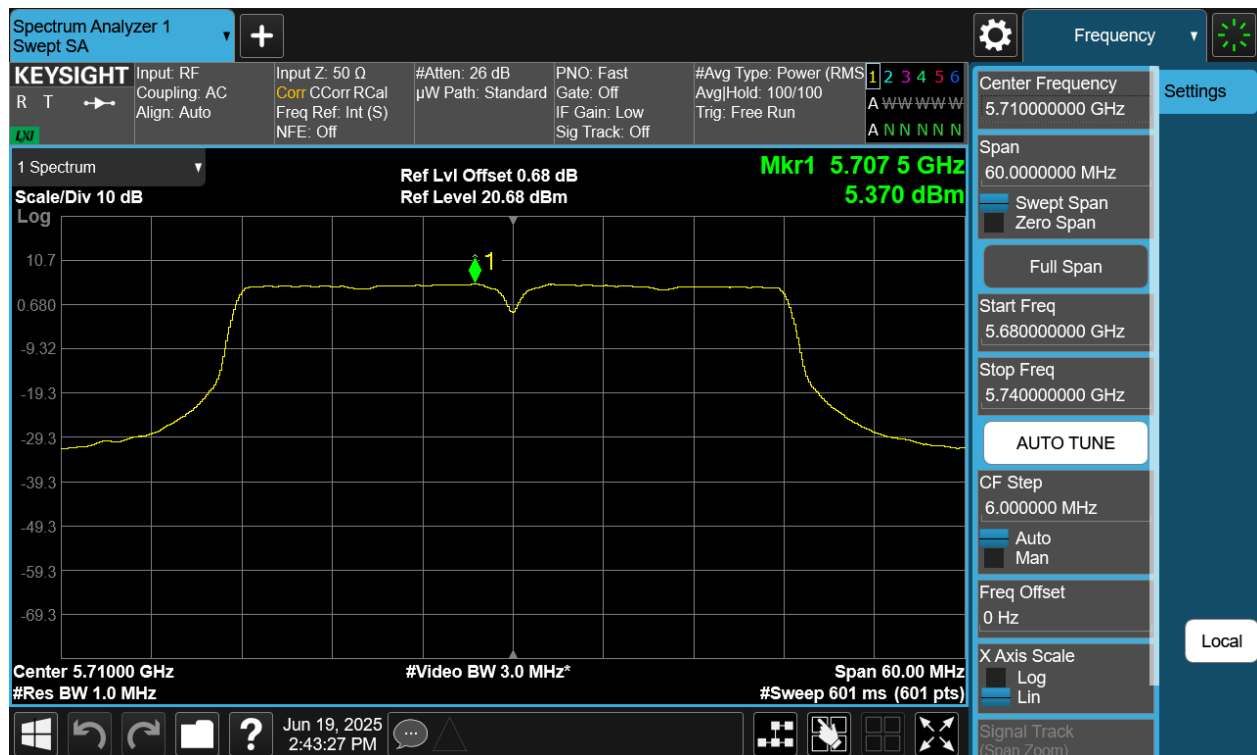
\*TDWR channel is not supported for ISSED (denoted by a \* next to the frequency)

|                                            |                                                                                                                                   |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                                                                            | EUT Type:<br>Tablet Device | Page 76 of 259                    |

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Plot 7-33 PSD Antenna WF8 (20MHz BW 802.11n - Ch.116)

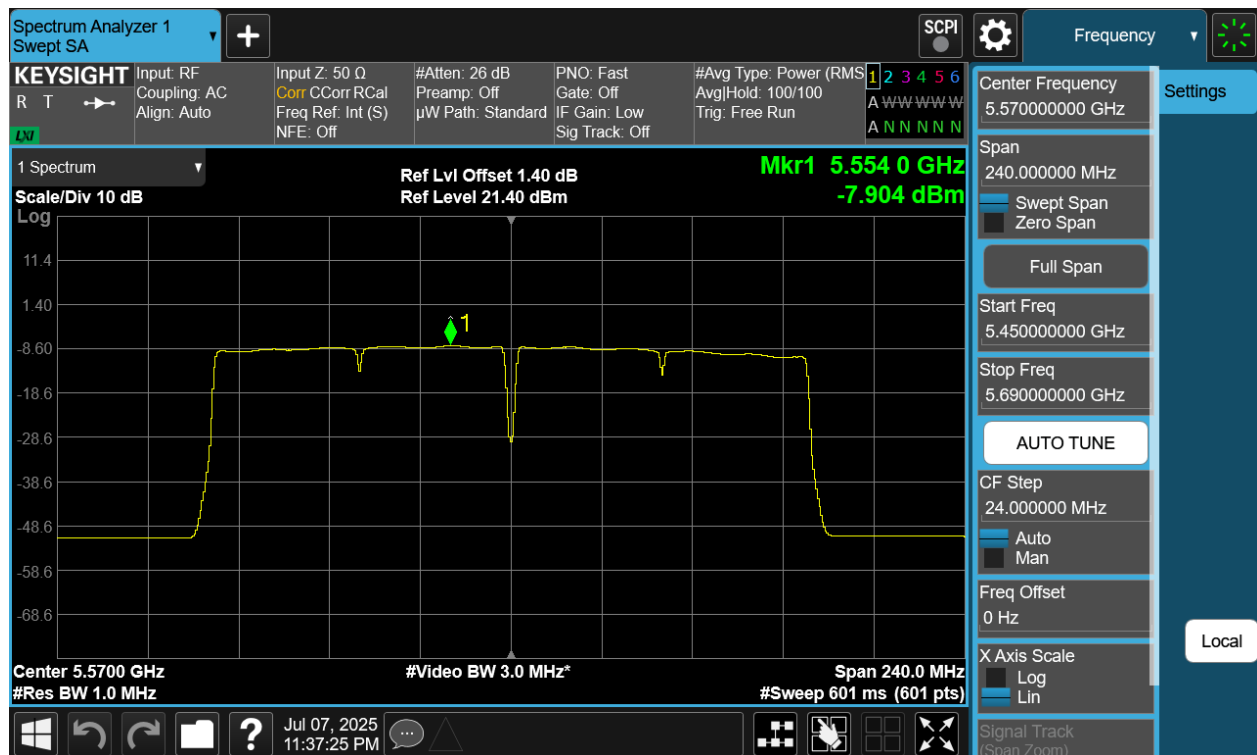
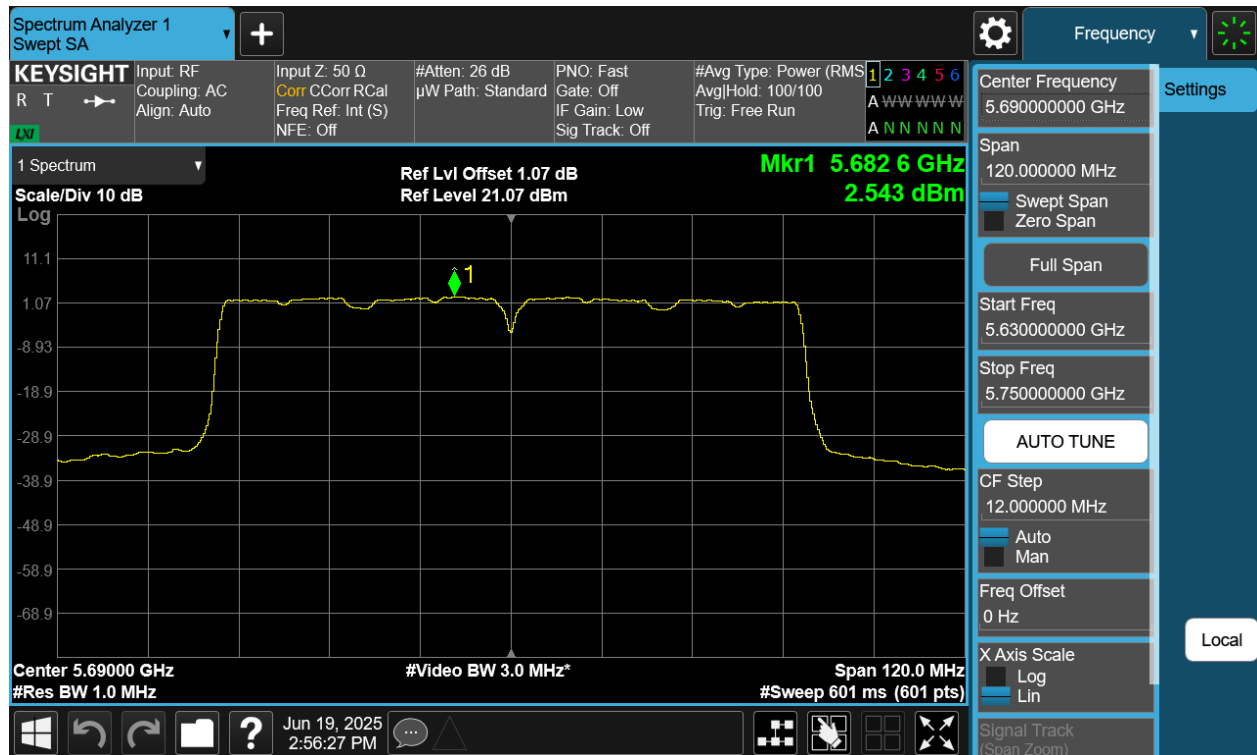


Plot 7-34 PSD Antenna WF8 (40MHz BW 802.11n - Ch.142)

|                                            |                                        |                                       |                                   |
|--------------------------------------------|----------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         | element                                | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025 | EUT Type:<br>Tablet Device            | Page 77 of 259                    |

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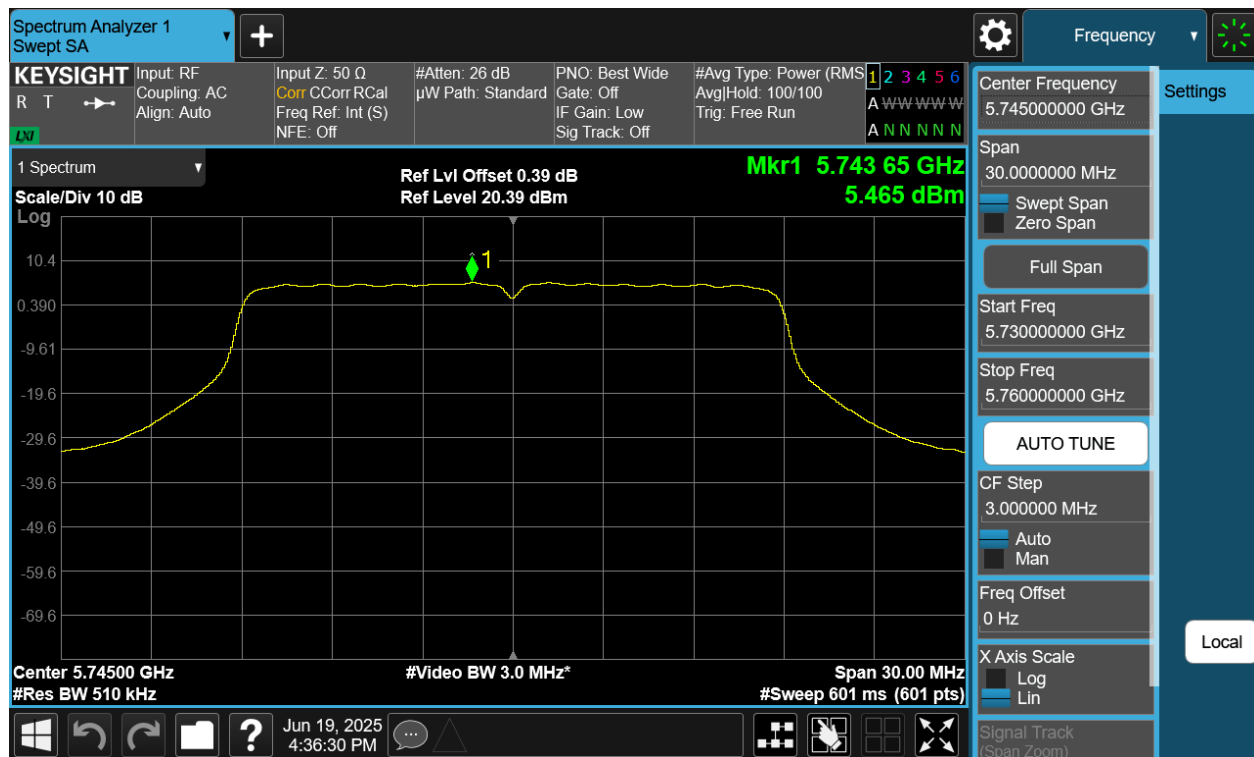
|                                            |                                        |                                       |                                   |
|--------------------------------------------|----------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         | element                                | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025 | EUT Type:<br>Tablet Device            | Page 78 of 259                    |

|        | Frequency [MHz] | Channel | 802.11 MODE     | Data Rate | Measured Power Density [dBm/500kHz] | Max Permissible Power Density [dBm/500kHz] | Margin [dB] |
|--------|-----------------|---------|-----------------|-----------|-------------------------------------|--------------------------------------------|-------------|
| Band 3 | 5745            | 149     | a               | 36Mbps    | 5.40                                | 30.0                                       | -24.6       |
|        | 5785            | 157     | a               | 36Mbps    | 5.31                                | 30.0                                       | -24.7       |
|        | 5825            | 165     | a               | 36Mbps    | 5.23                                | 30.0                                       | -24.8       |
|        | 5745            | 149     | n (20MHz)       | MCS5      | 5.47                                | 30.0                                       | -24.54      |
|        | 5785            | 157     | n (20MHz)       | MCS5      | 5.37                                | 30.0                                       | -24.63      |
|        | 5825            | 165     | n (20MHz)       | MCS5      | 5.32                                | 30.0                                       | -24.68      |
|        | 5745            | 149     | be (SU) (20MHz) | MCS5      | 5.28                                | 30.0                                       | -24.72      |
|        | 5785            | 157     | be (SU) (20MHz) | MCS5      | 5.15                                | 30.0                                       | -24.85      |
|        | 5825            | 165     | be (SU) (20MHz) | MCS5      | 5.07                                | 30.0                                       | -24.93      |
|        | 5755            | 151     | n (40MHz)       | MCS5      | 2.68                                | 30.0                                       | -27.32      |
|        | 5795            | 159     | n (40MHz)       | MCS5      | 2.59                                | 30.0                                       | -27.41      |
|        | 5755            | 151     | be (SU) (40MHz) | MCS5      | 2.41                                | 30.0                                       | -27.59      |
|        | 5795            | 159     | be (SU) (40MHz) | MCS5      | 2.28                                | 30.0                                       | -27.72      |
|        | 5775            | 155     | ac (80MHz)      | MCS5      | -2.25                               | 30.0                                       | -32.25      |
|        | 5775            | 155     | be (SU) (80MHz) | MCS5      | -2.82                               | 30.0                                       | -32.82      |

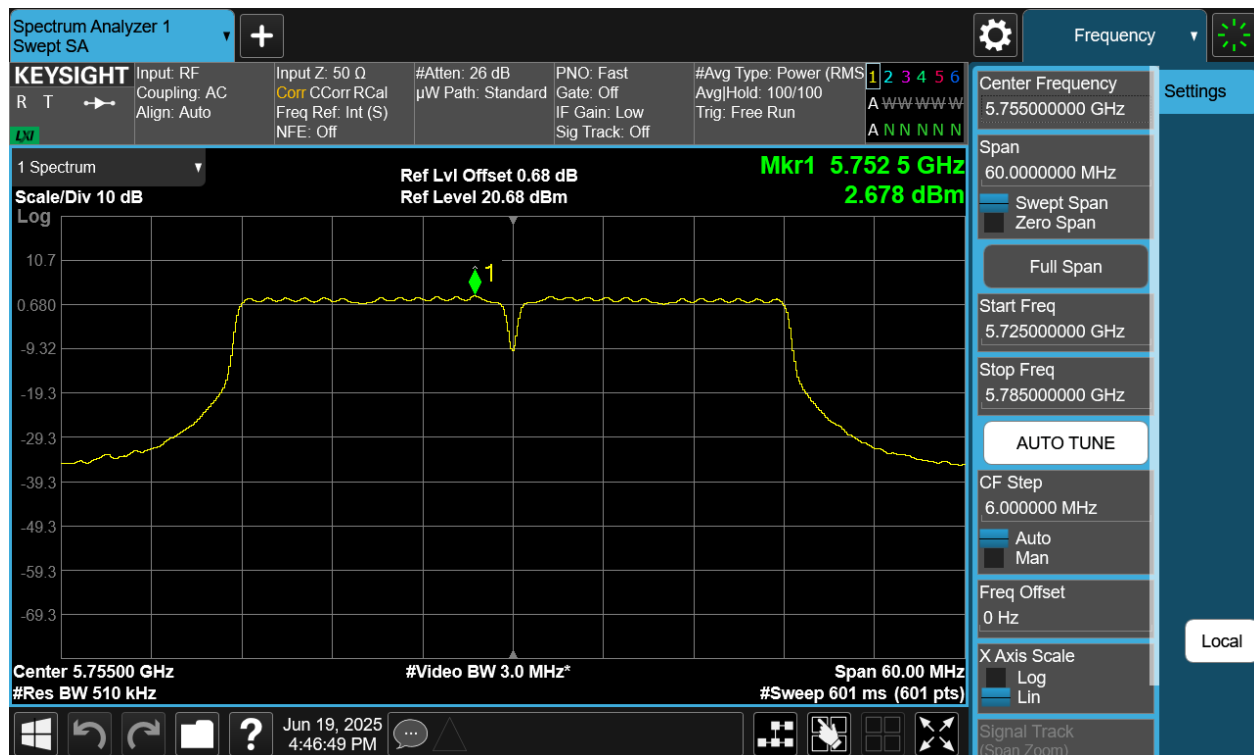
**Table 7-102. Band 3 Power Spectral Density Measurements Antenna WF8**

|                                            |                                                                                                                                   |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                                                                            | EUT Type:<br>Tablet Device | Page 79 of 259                    |

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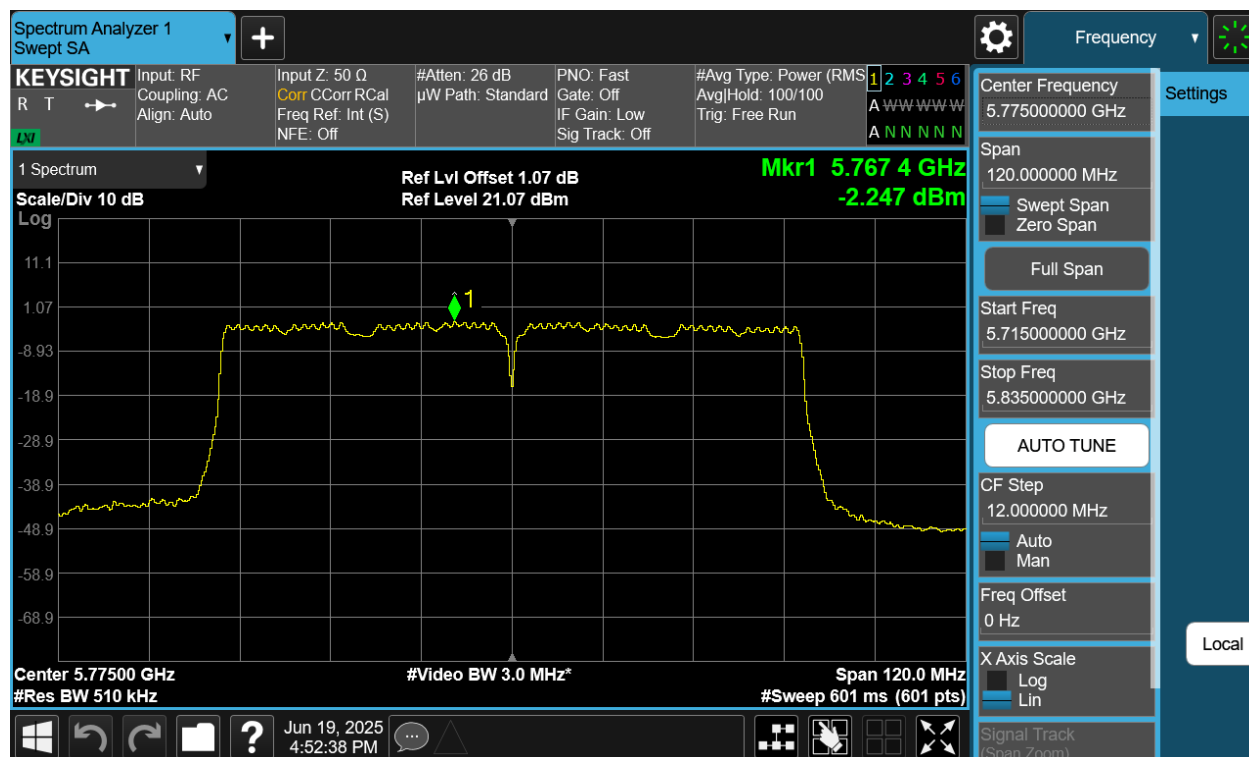
Plot 7-37 PSD Antenna WF8 (20MHz BW 802.11n - Ch.149)



Plot 7-38 PSD Antenna WF8 (40MHz BW 802.11n - Ch.151)

|                                            |                                        |                                       |                                   |
|--------------------------------------------|----------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         | element                                | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025 | EUT Type:<br>Tablet Device            | Page 80 of 259                    |

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Plot 7-39 PSD Antenna WF8 (80MHz BW 802.11ac - Ch.155)

|                                            |                                        |                                       |                                   |
|--------------------------------------------|----------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         | element                                | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025 | EUT Type:<br>Tablet Device            | Page 81 of 259                    |

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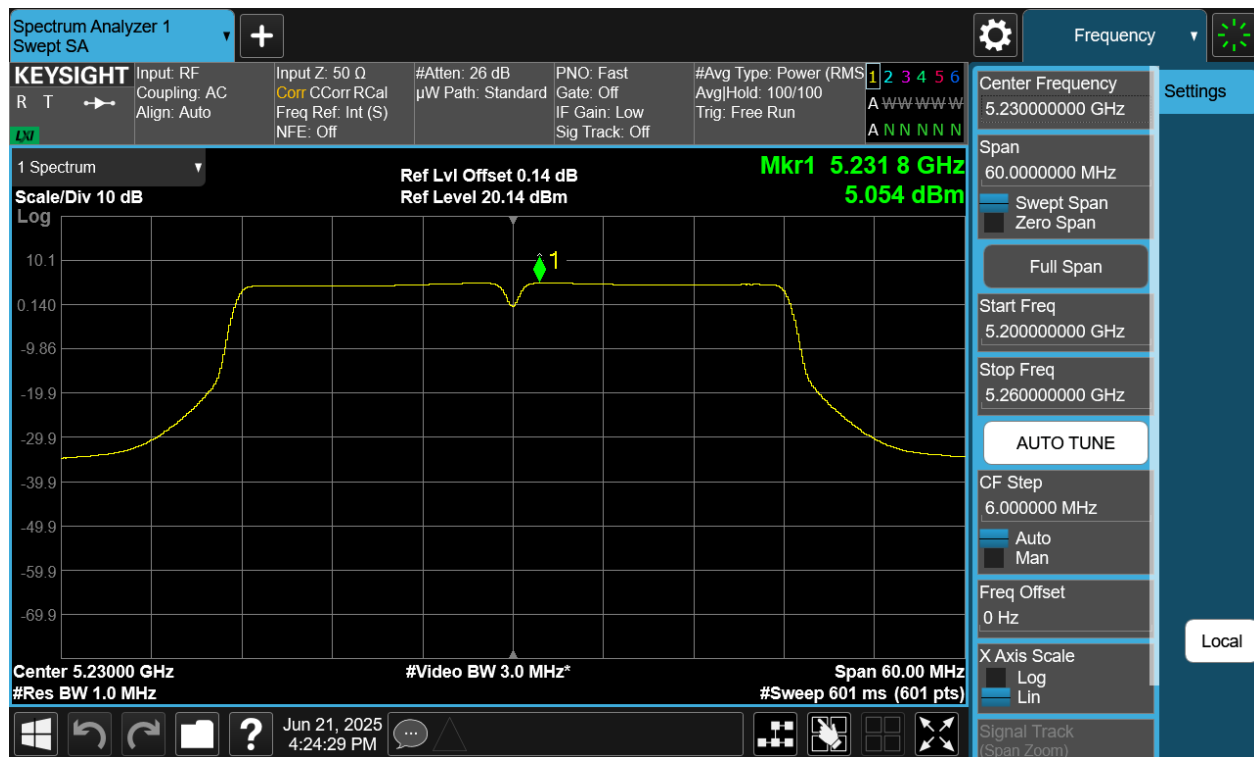
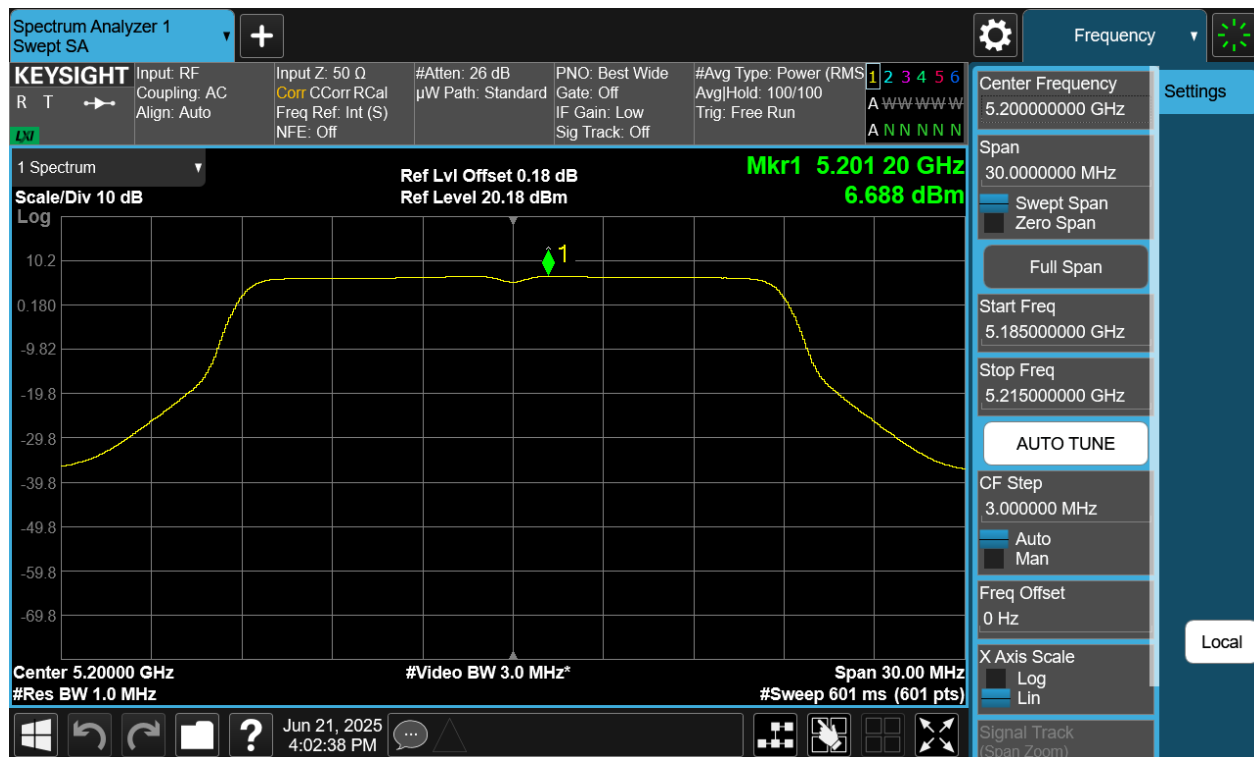
|          | Frequency [MHz] | Channel No. | 802.11 MODE      | Data Rate | Measured Power Density [dBm/MHz] | Antenna Gain [dBi] | e.i.r.p. Power Density [dBm/MHz] | ISED Max e.i.r.p. Power Density [dBm/MHz] | Margin [dB] |
|----------|-----------------|-------------|------------------|-----------|----------------------------------|--------------------|----------------------------------|-------------------------------------------|-------------|
| Band 1   | 5180            | 36          | a                | 6Mbps     | 5.84                             | 1.10               | 6.94                             | 10.0                                      | -3.06       |
|          | 5200            | 40          | a                | 18Mbps    | 6.69                             | 1.10               | 7.79                             | 10.0                                      | -2.21       |
|          | 5240            | 48          | a                | 36Mbps    | 6.48                             | 1.10               | 7.58                             | 10.0                                      | -2.42       |
|          | 5180            | 36          | n (20MHz)        | MCS0      | 5.82                             | 1.10               | 6.92                             | 10.0                                      | -3.09       |
|          | 5200            | 40          | n (20MHz)        | MCS5      | 6.62                             | 1.10               | 7.72                             | 10.0                                      | -2.28       |
|          | 5240            | 48          | n (20MHz)        | MCS0      | 6.52                             | 1.10               | 7.62                             | 10.0                                      | -2.38       |
|          | 5180            | 36          | be (SU) (20MHz)  | MCS0      | 5.21                             | 1.10               | 6.31                             | 10.0                                      | -3.69       |
|          | 5200            | 40          | be (SU) (20MHz)  | MCS3      | 6.35                             | 1.10               | 7.45                             | 10.0                                      | -2.55       |
|          | 5240            | 48          | be (SU) (20MHz)  | MCS3      | 6.32                             | 1.10               | 7.42                             | 10.0                                      | -2.58       |
|          | 5190            | 38          | n (40MHz)        | MCS3      | 0.09                             | 1.10               | 1.19                             | 10.0                                      | -8.81       |
|          | 5230            | 46          | n (40MHz)        | MCS0      | 5.05                             | 1.10               | 6.15                             | 10.0                                      | -3.85       |
|          | 5190            | 38          | be (SU) (40MHz)  | MCS0      | -0.57                            | 1.10               | 0.53                             | 10.0                                      | -9.47       |
|          | 5230            | 46          | be (SU) (40MHz)  | MCS3      | 4.99                             | 1.10               | 6.09                             | 10.0                                      | -3.91       |
|          | 5210            | 42          | ac (80MHz)       | MCS0      | -4.05                            | 1.10               | -2.95                            | 10.0                                      | -12.95      |
|          | 5210            | 42          | be (SU) (80MHz)  | MCS0      | -4.33                            | 1.10               | -3.23                            | 10.0                                      | -13.23      |
| Band 1/2 | 5250            | 50          | ac (160MHz)      | MCS3      | -8.82                            | 1.10               | -7.72                            | 10.0                                      | -17.72      |
|          | 5250            | 50          | be (SU) (160MHz) | MCS0      | -9.74                            | 1.10               | -8.64                            | 10.0                                      | -18.64      |

**Table 7-103. ISED Band 1 e.i.r.p. Power Spectral Density Measurements Antenna WF8**

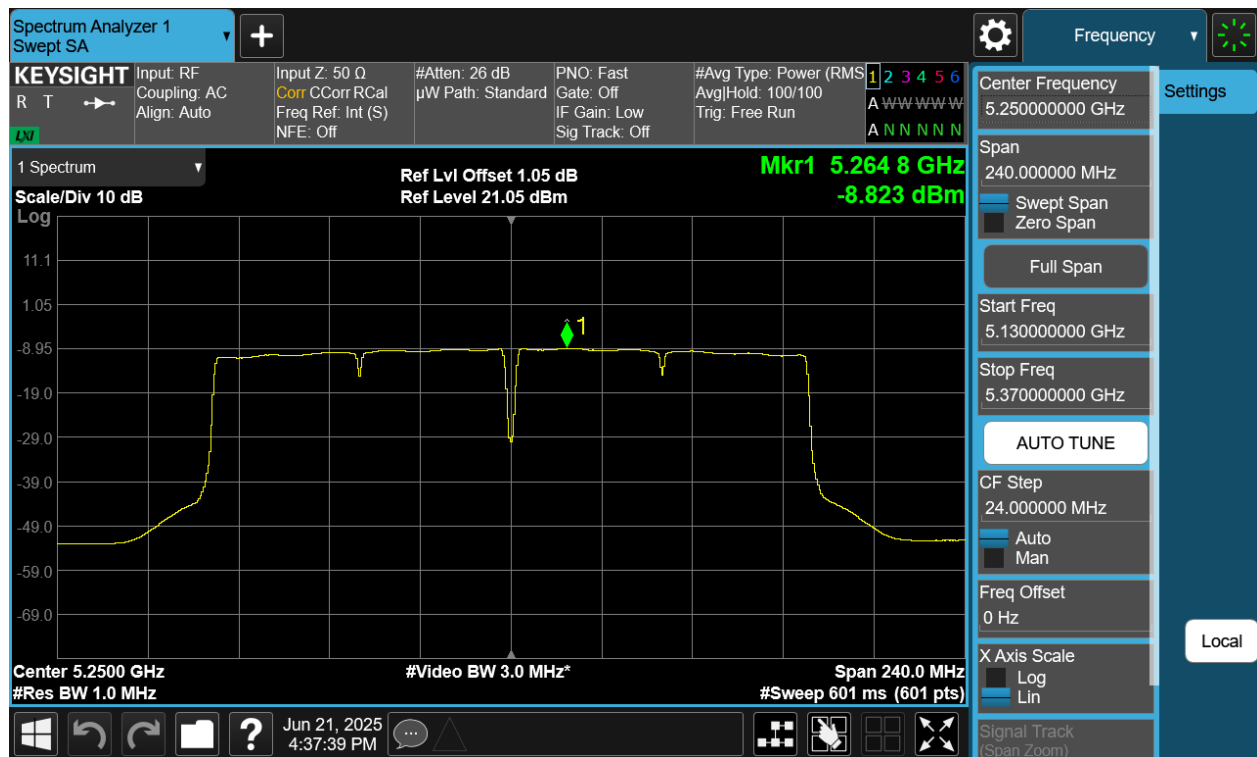
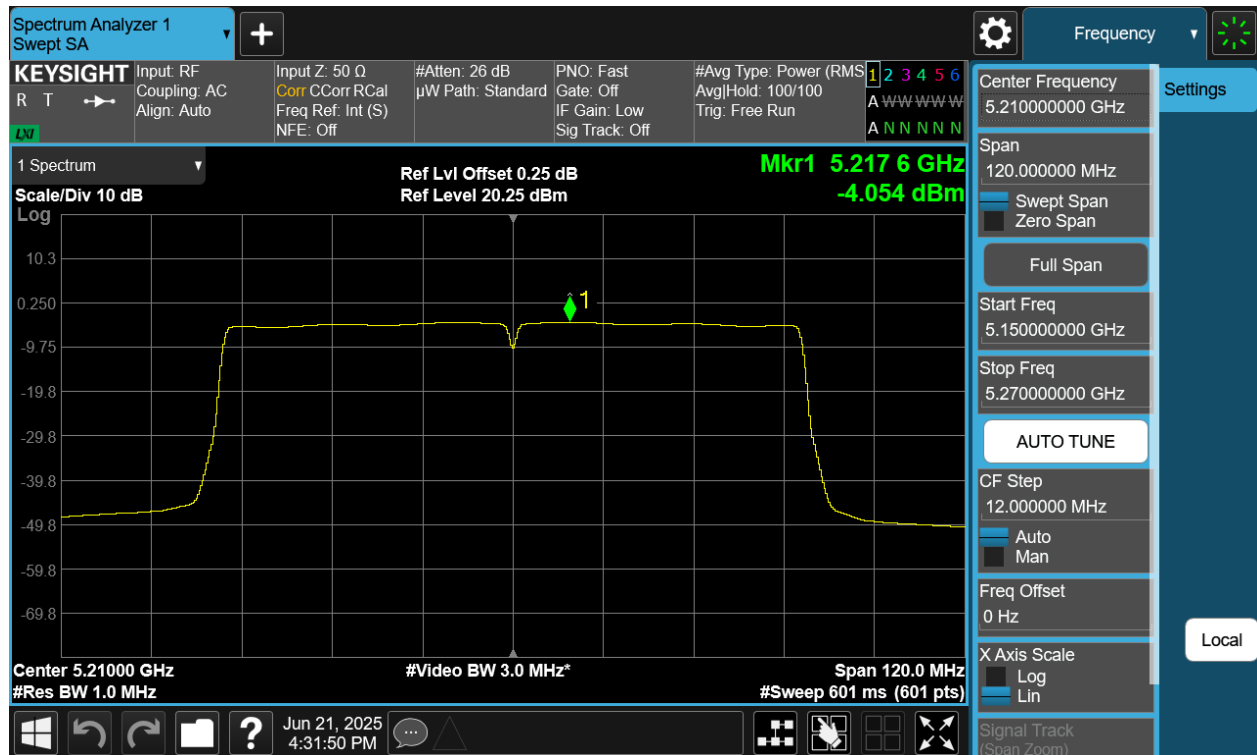
|                                            |                                                                                                                               |                            |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  <b>MEASUREMENT REPORT (CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                                                                        | EUT Type:<br>Tablet Device | Page 82 of 259                    |

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|                                            |                                        |                                       |                                   |
|--------------------------------------------|----------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         | element                                | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025 | EUT Type:<br>Tablet Device            | Page 83 of 259                    |



|                                            |                                        |                                       |                                   |
|--------------------------------------------|----------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         | element                                | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025 | EUT Type:<br>Tablet Device            | Page 84 of 259                    |

## 7.5.3 Antenna WF7 Power Spectral Density Measurements

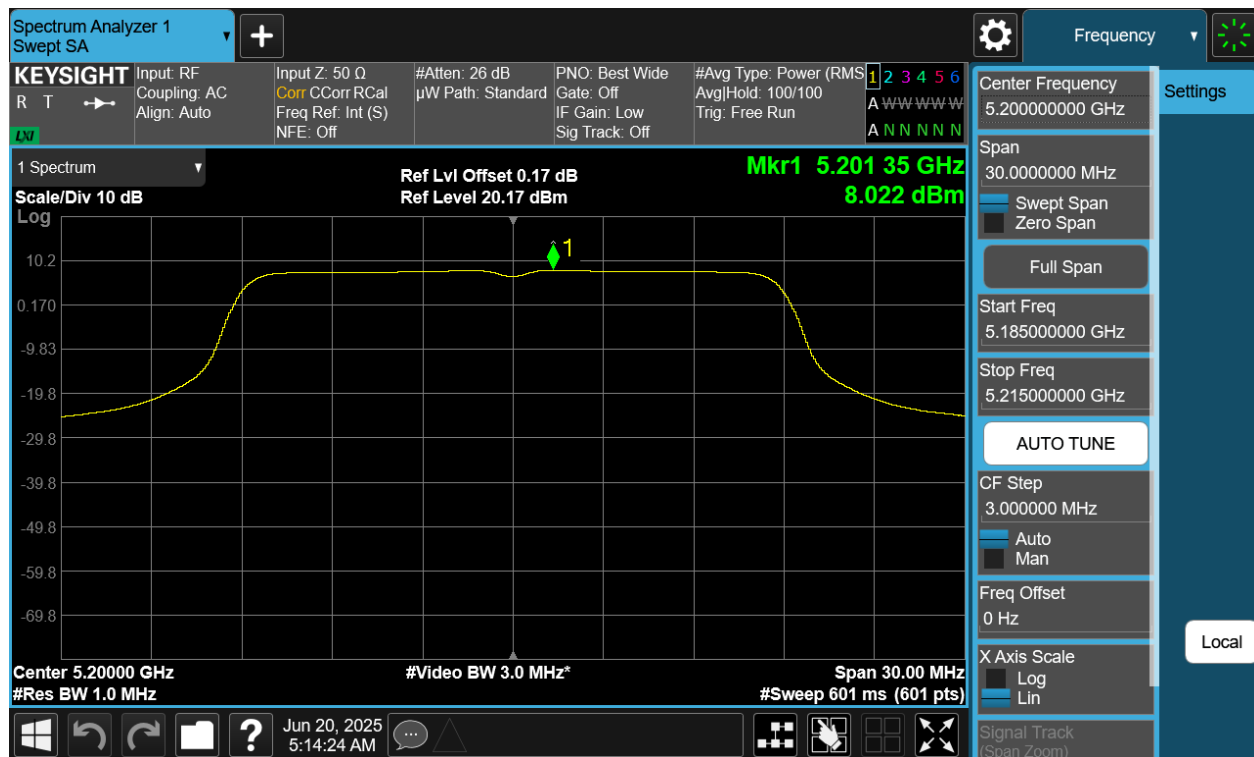
|          | Frequency [MHz] | Channel No. | 802.11 MODE      | Data Rate | Measured Power Density [dBm/MHz] | Max Power Density [dBm/MHz] | Margin [dB] |
|----------|-----------------|-------------|------------------|-----------|----------------------------------|-----------------------------|-------------|
| Band 1   | 5180            | 36          | a                | 6Mbps     | 6.29                             | 11.00                       | -4.72       |
|          | 5200            | 40          | a                | 18Mbps    | 8.02                             | 11.00                       | -2.98       |
|          | 5240            | 48          | a                | 36Mbps    | 7.70                             | 11.00                       | -3.30       |
|          | 5180            | 36          | n (20MHz)        | MCS0      | 6.28                             | 11.00                       | -4.72       |
|          | 5200            | 40          | n (20MHz)        | MCS5      | 7.82                             | 11.00                       | -3.18       |
|          | 5240            | 48          | n (20MHz)        | MCS5      | 7.69                             | 11.00                       | -3.31       |
|          | 5180            | 36          | be (SU) (20MHz)  | MCS0      | 5.21                             | 11.00                       | -5.79       |
|          | 5200            | 40          | be (SU) (20MHz)  | MCS5      | 7.55                             | 11.00                       | -3.45       |
|          | 5240            | 48          | be (SU) (20MHz)  | MCS5      | 7.35                             | 11.00                       | -3.65       |
|          | 5190            | 38          | n (40MHz)        | MCS3      | 0.36                             | 11.00                       | -10.64      |
|          | 5230            | 46          | n (40MHz)        | MCS5      | 4.90                             | 11.00                       | -6.11       |
|          | 5190            | 38          | be (SU) (40MHz)  | MCS3      | -0.41                            | 11.00                       | -11.41      |
|          | 5230            | 46          | be (SU) (40MHz)  | MCS5      | 4.64                             | 11.00                       | -6.36       |
|          | 5210            | 42          | ac (80MHz)       | MCS0      | -3.78                            | 11.00                       | -14.78      |
| Band 1/2 | 5210            | 42          | be (SU) (80MHz)  | MCS0      | -3.85                            | 11.00                       | -14.85      |
|          | 5250            | 50          | ac (160MHz)      | MCS3      | -8.32                            | 11.00                       | -19.32      |
|          | 5250            | 50          | be (SU) (160MHz) | MCS0      | -10.24                           | 11.00                       | -21.24      |
| Band 2A  | 5260            | 52          | a                | 36Mbps    | 7.59                             | 11.00                       | -3.41       |
|          | 5300            | 60          | a                | 36Mbps    | 7.74                             | 11.00                       | -3.26       |
|          | 5320            | 64          | a                | 6Mbps     | 4.33                             | 11.00                       | -6.67       |
|          | 5260            | 52          | n (20MHz)        | MCS5      | 7.59                             | 11.00                       | -3.41       |
|          | 5300            | 60          | n (20MHz)        | MCS5      | 7.75                             | 11.00                       | -3.25       |
|          | 5320            | 64          | n (20MHz)        | MCS0      | 4.26                             | 11.00                       | -6.74       |
|          | 5260            | 52          | be (SU) (20MHz)  | MCS5      | 7.31                             | 11.00                       | -3.69       |
|          | 5300            | 60          | be (SU) (20MHz)  | MCS5      | 7.49                             | 11.00                       | -3.52       |
|          | 5320            | 64          | be (SU) (20MHz)  | MCS0      | 3.53                             | 11.00                       | -7.47       |
|          | 5270            | 54          | n (40MHz)        | MCS5      | 4.77                             | 11.00                       | -6.23       |
|          | 5310            | 62          | n (40MHz)        | MCS3      | -0.28                            | 11.00                       | -11.28      |
|          | 5270            | 54          | be (SU) (40MHz)  | MCS5      | 4.55                             | 11.00                       | -6.45       |
|          | 5310            | 62          | be (SU) (40MHz)  | MCS0      | -2.12                            | 11.00                       | -13.12      |
|          | 5290            | 58          | ac (80MHz)       | MCS0      | -4.70                            | 11.00                       | -15.70      |
|          | 5290            | 58          | be (SU) (80MHz)  | MCS0      | -3.97                            | 11.00                       | -14.97      |
| Band 2C  | 5500            | 100         | a                | 18Mbps    | 5.01                             | 11.00                       | -5.99       |
|          | 5580            | 116         | a                | 18Mbps    | 7.74                             | 11.00                       | -3.26       |
|          | 5720            | 144         | a                | 36Mbps    | 7.32                             | 11.00                       | -3.68       |
|          | 5500            | 100         | n (20MHz)        | MCS3      | 4.81                             | 11.00                       | -6.19       |
|          | 5580            | 116         | n (20MHz)        | MCS5      | 7.77                             | 11.00                       | -3.23       |
|          | 5720            | 144         | n (20MHz)        | MCS5      | 7.37                             | 11.00                       | -3.64       |
|          | 5500            | 100         | be (SU) (20MHz)  | MCS3      | 4.23                             | 11.00                       | -6.77       |
|          | 5580            | 116         | be (SU) (20MHz)  | MCS5      | 7.70                             | 11.00                       | -3.30       |
|          | 5720            | 144         | be (SU) (20MHz)  | MCS5      | 7.30                             | 11.00                       | -3.70       |
|          | 5510            | 102         | n (40MHz)        | MCS0      | 0.20                             | 11.00                       | -10.80      |
|          | 5550            | 110         | n (40MHz)        | MCS3      | 3.62                             | 11.00                       | -7.38       |
|          | *5590           | 118         | n (40MHz)        | MCS5      | 4.87                             | 11.00                       | -6.14       |
|          | 5670            | 134         | n (40MHz)        | MCS0      | 2.69                             | 11.00                       | -8.31       |
|          | 5710            | 142         | n (40MHz)        | MCS5      | 4.56                             | 11.00                       | -6.44       |
|          | 5510            | 102         | be (SU) (40MHz)  | MCS3      | -1.99                            | 11.00                       | -12.99      |
|          | 5550            | 110         | be (SU) (40MHz)  | MCS5      | 2.14                             | 11.00                       | -8.87       |
|          | 5710            | 142         | be (SU) (40MHz)  | MCS5      | 4.53                             | 11.00                       | -6.47       |
|          | 5530            | 106         | ac (80MHz)       | MCS0      | -4.24                            | 11.00                       | -15.24      |
|          | *5610           | 122         | ac (80MHz)       | MCS0      | 0.47                             | 11.00                       | -10.54      |
|          | 5690            | 138         | ac (80MHz)       | MCS5      | 2.24                             | 11.00                       | -8.76       |
|          | 5530            | 106         | be (SU) (80MHz)  | MCS5      | -5.63                            | 11.00                       | -16.63      |
|          | *5610           | 122         | be (SU) (80MHz)  | MCS0      | -1.11                            | 11.00                       | -12.11      |
|          | 5690            | 138         | be (SU) (80MHz)  | MCS5      | 1.78                             | 11.00                       | -9.22       |
|          | *5570           | 114         | ac (160MHz)      | MCS0      | -8.89                            | 11.00                       | -19.89      |
|          | *5570           | 114         | be (SU) (160MHz) | MCS0      | -9.14                            | 11.00                       | -20.14      |

**Table 7-104. Bands 1, 2A, 2C Power Spectral Density Measurements Antenna WF7**

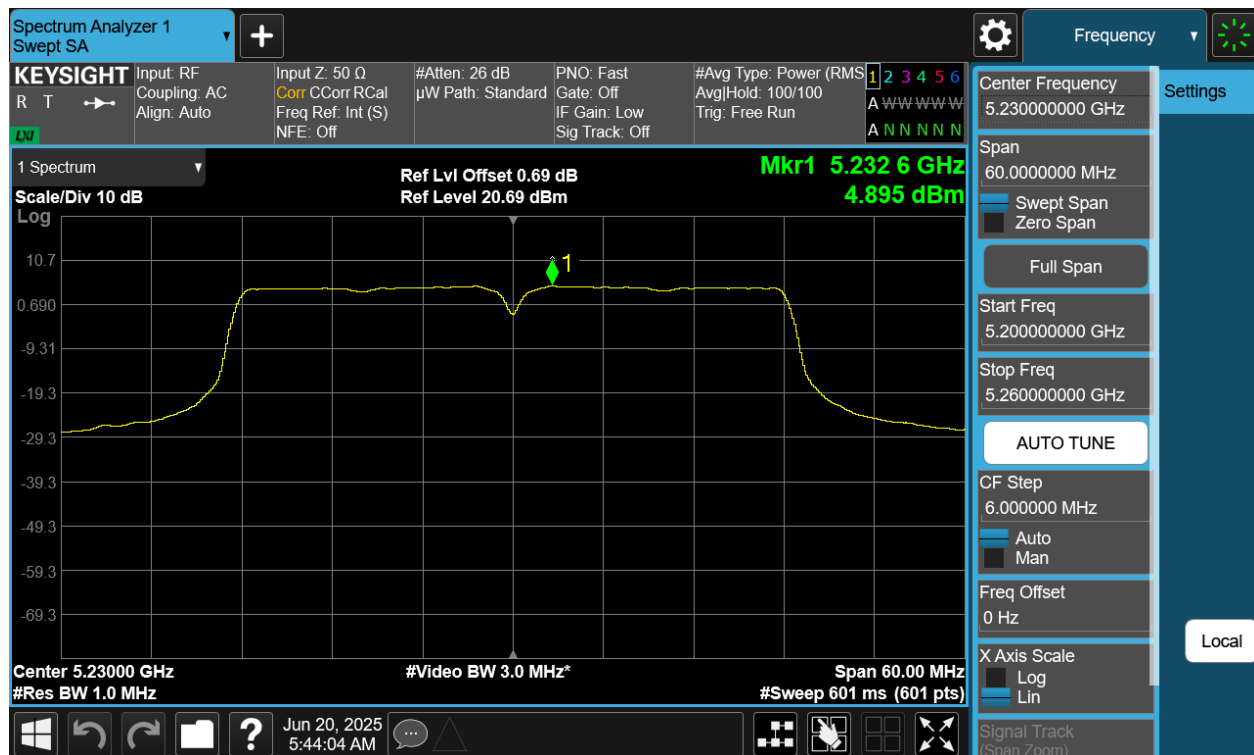
\*TDWR channel is not supported for ISSED (denoted by a \* next to the frequency)

|                                            |                                                                                                                               |                            |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         |  <b>MEASUREMENT REPORT (CERTIFICATION)</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025                                                                                        | EUT Type:<br>Tablet Device | Page 85 of 259                    |

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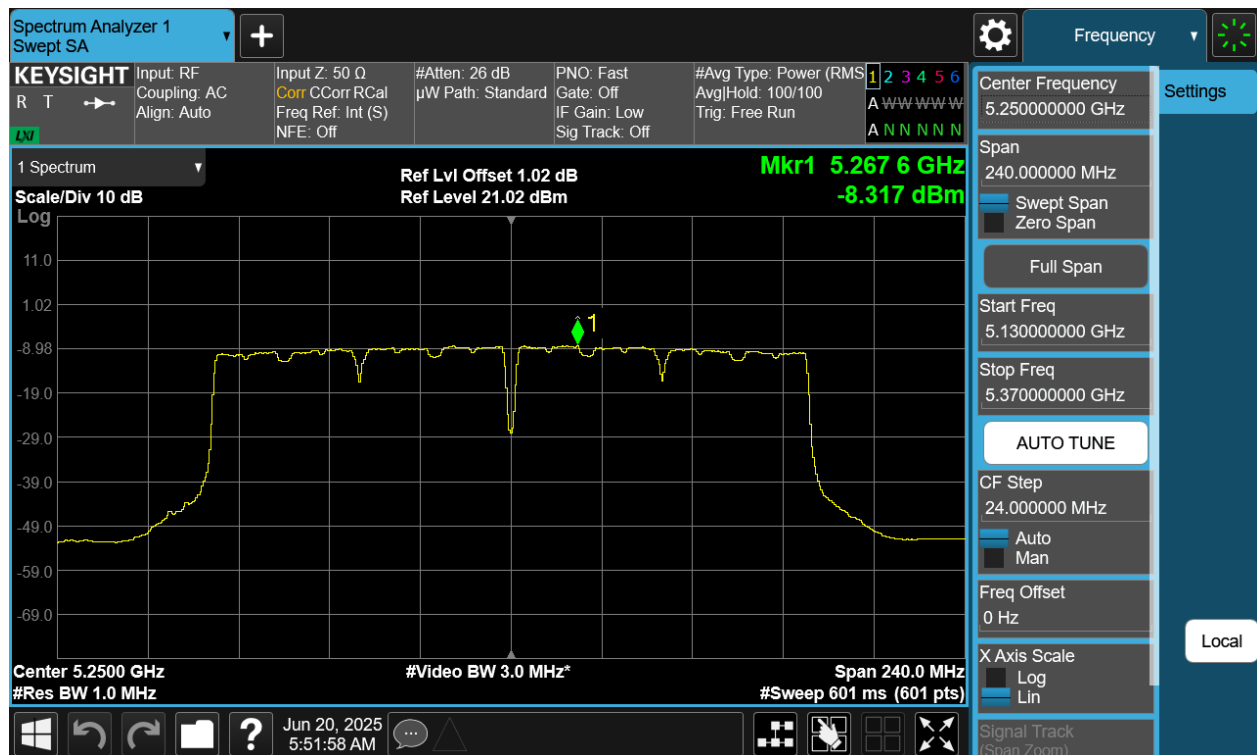
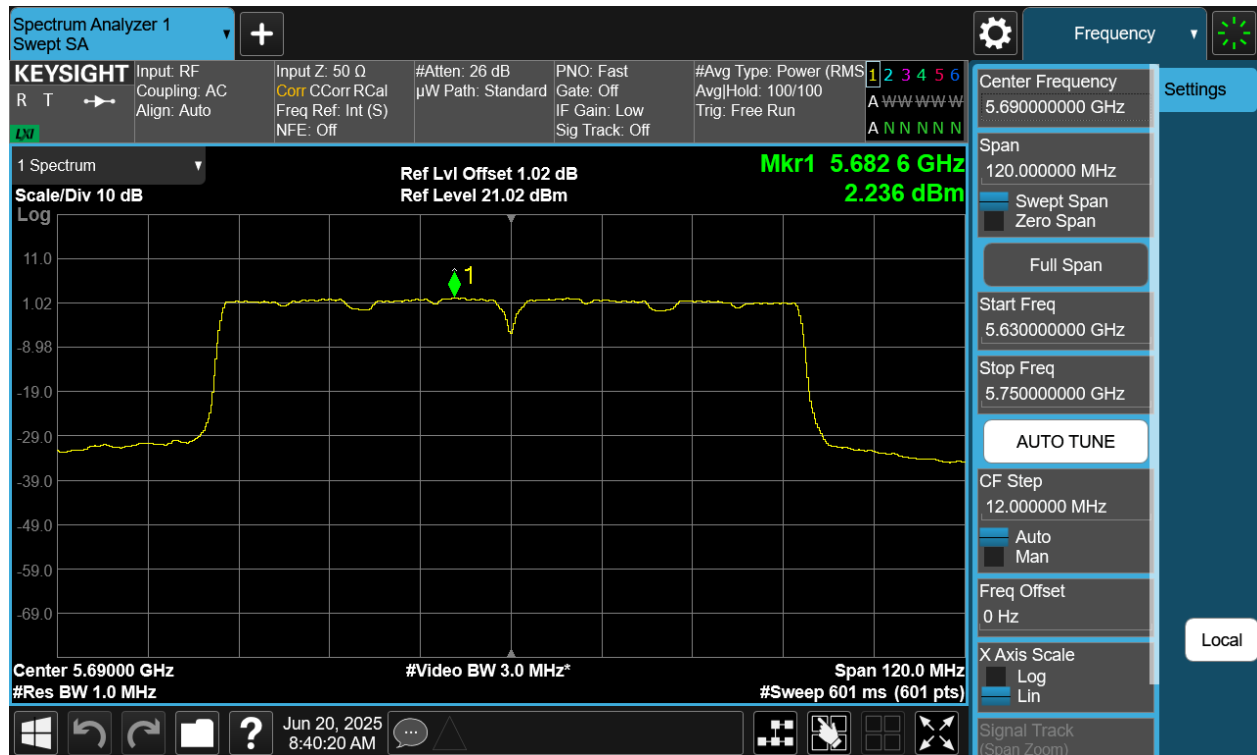


Plot 7-44 PSD Antenna WF7 (20MHz BW 802.11a - Ch.40)



Plot 7-45 PSD Antenna WF7 (40MHz BW 802.11n - Ch.46)

|                                            |                                        |                                       |                                   |
|--------------------------------------------|----------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         | element                                | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025 | EUT Type:<br>Tablet Device            | Page 86 of 259                    |



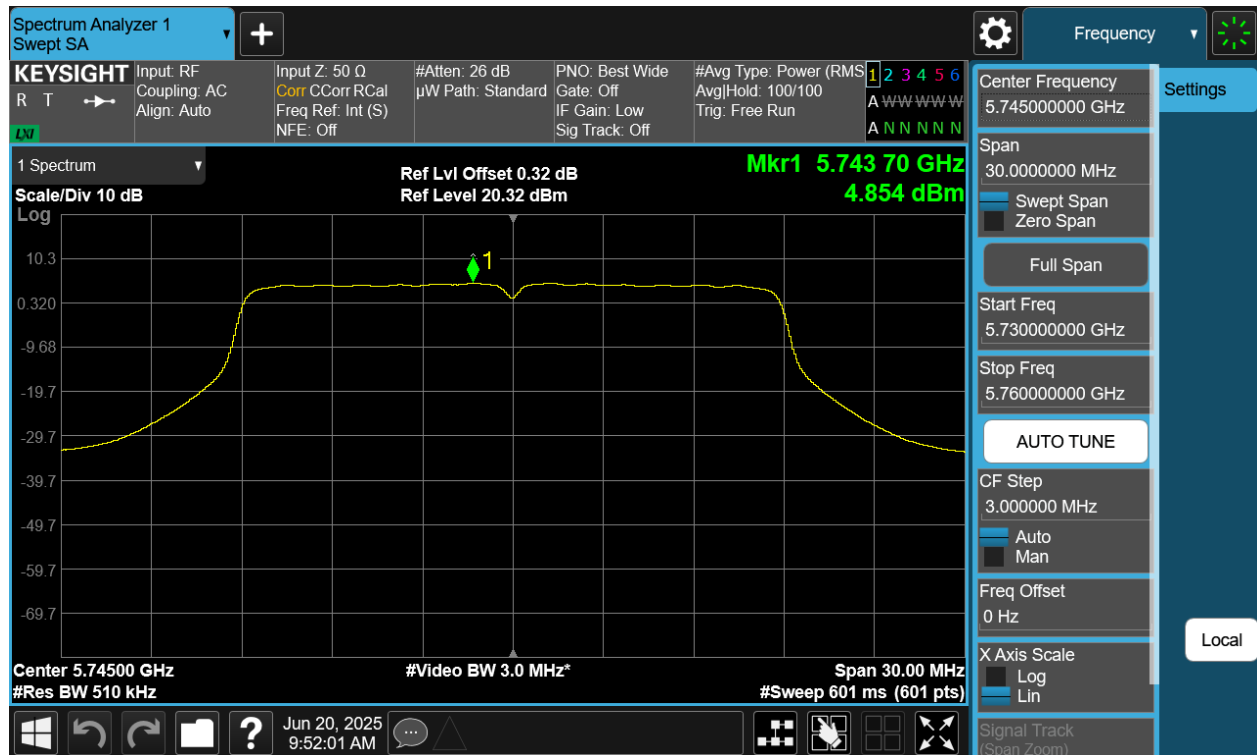
|                                            |                                        |                                       |                                   |
|--------------------------------------------|----------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         | element                                | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025 | EUT Type:<br>Tablet Device            | Page 87 of 259                    |

|        | Frequency [MHz] | Channel | 802.11 MODE     | Data Rate | Measured Power Density [dBm/500kHz] | Max Permissible Power Density [dBm/500kHz] | Margin [dB] |
|--------|-----------------|---------|-----------------|-----------|-------------------------------------|--------------------------------------------|-------------|
| Band 3 | 5745            | 149     | a               | 36Mbps    | 4.85                                | 30.0                                       | -25.1       |
|        | 5785            | 157     | a               | 36Mbps    | 4.85                                | 30.0                                       | -25.2       |
|        | 5825            | 165     | a               | 36Mbps    | 4.83                                | 30.0                                       | -25.2       |
|        | 5745            | 149     | n (20MHz)       | MCS5      | 4.83                                | 30.0                                       | -25.17      |
|        | 5785            | 157     | n (20MHz)       | MCS5      | 4.81                                | 30.0                                       | -25.19      |
|        | 5825            | 165     | n (20MHz)       | MCS5      | 4.85                                | 30.0                                       | -25.15      |
|        | 5745            | 149     | be (SU) (20MHz) | MCS5      | 4.60                                | 30.0                                       | -25.40      |
|        | 5785            | 157     | be (SU) (20MHz) | MCS5      | 4.60                                | 30.0                                       | -25.40      |
|        | 5825            | 165     | be (SU) (20MHz) | MCS5      | 4.61                                | 30.0                                       | -25.39      |
|        | 5755            | 151     | n (40MHz)       | MCS5      | 2.22                                | 30.0                                       | -27.78      |
|        | 5795            | 159     | n (40MHz)       | MCS5      | 2.23                                | 30.0                                       | -27.77      |
|        | 5755            | 151     | be (SU) (40MHz) | MCS5      | 1.85                                | 30.0                                       | -28.15      |
|        | 5795            | 159     | be (SU) (40MHz) | MCS5      | 1.91                                | 30.0                                       | -28.09      |
|        | 5775            | 155     | ac (80MHz)      | MCS3      | -2.47                               | 30.0                                       | -32.47      |
|        | 5775            | 155     | be (SU) (80MHz) | MCS5      | -3.22                               | 30.0                                       | -33.22      |

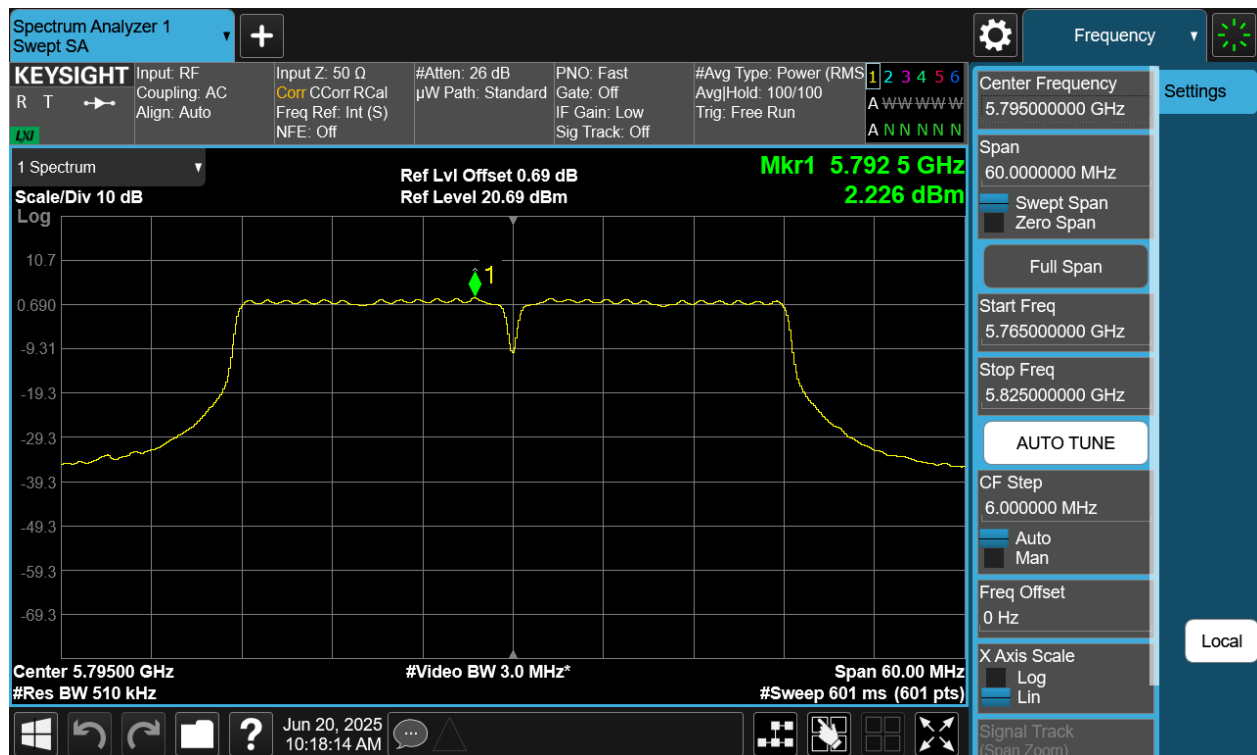
**Table 7-105. Band 3 Power Spectral Density Measurements Antenna WF7**

|                                                   |                                                                                                                               |                                   |                                          |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------------------|
| <b>FCC ID:</b> BCGA3357<br><b>IC:</b> 579C-A3357  |  <b>MEASUREMENT REPORT (CERTIFICATION)</b> |                                   | <b>Approved by:</b><br>Technical Manager |
| <b>Test Report S/N:</b><br>1C2504170038-13-R1.BCG | <b>Test Dates:</b><br>05/12/2025 - 07/04/2025                                                                                 | <b>EUT Type:</b><br>Tablet Device | Page 88 of 259                           |

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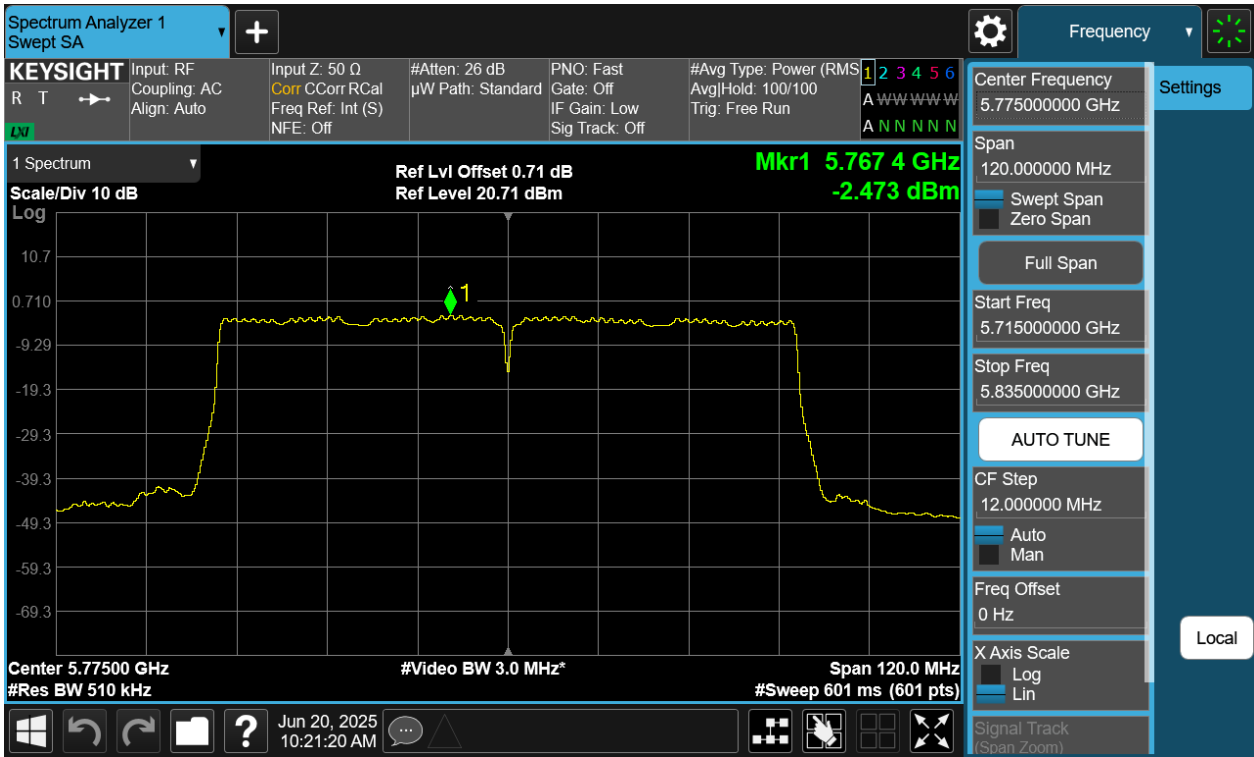


Plot 7-48 PSD Antenna WF7 (20MHz BW 802.11a - Ch.149)



Plot 7-49 PSD Antenna WF7 (40MHz BW 802.11n - Ch.159)

|                                            |                                        |                                       |                                   |
|--------------------------------------------|----------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         | element                                | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025 | EUT Type:<br>Tablet Device            | Page 89 of 259                    |



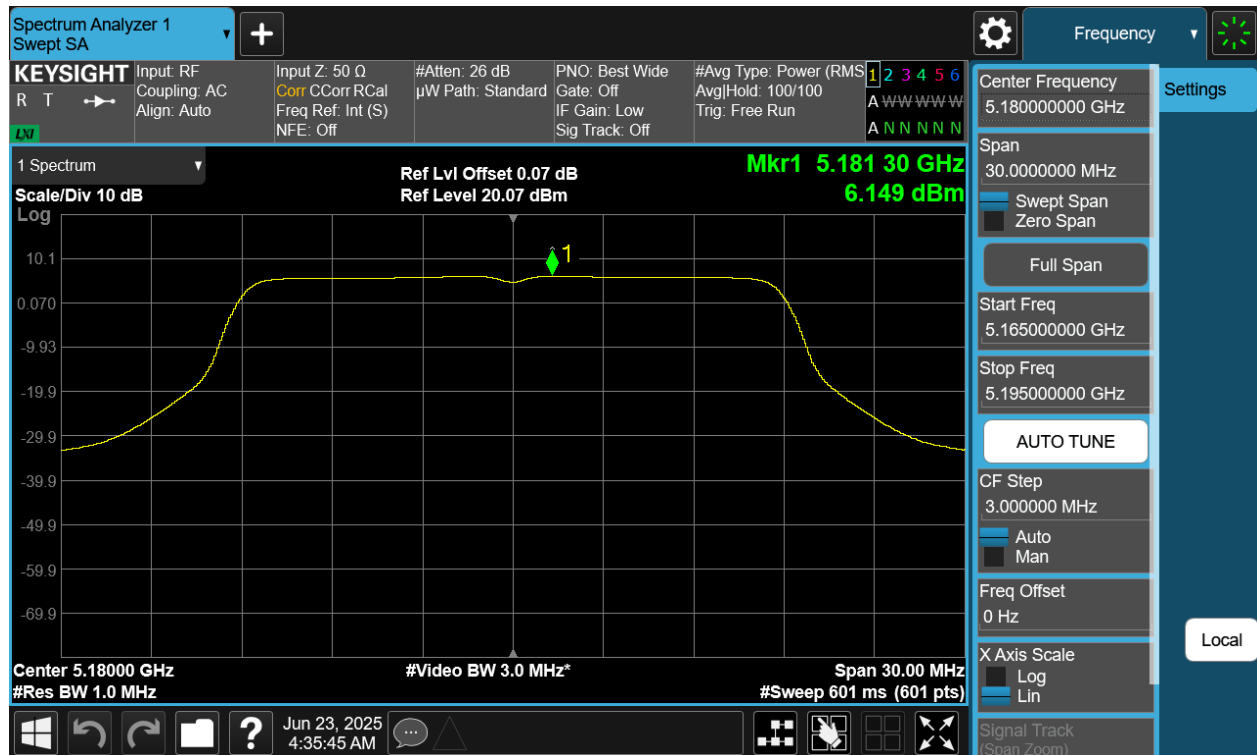
|                                            |                                        |                                       |                                   |
|--------------------------------------------|----------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         | element                                | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025 | EUT Type:<br>Tablet Device            | Page 90 of 259                    |

|          | Frequency [MHz] | Channel No. | 802.11 MODE      | Data Rate | Measured Power Density [dBm/MHz] | Antenna Gain [dBi] | e.i.r.p. Power Density [dBm/MHz] | ISED Max e.i.r.p. Power Density [dBm/MHz] | Margin [dB] |
|----------|-----------------|-------------|------------------|-----------|----------------------------------|--------------------|----------------------------------|-------------------------------------------|-------------|
| Band 1   | 5180            | 36          | a                | 6Mbps     | 6.14                             | -1.50              | 4.64                             | 10.0                                      | -5.36       |
|          | 5200            | 40          | a                | 36Mbps    | 5.70                             | -1.50              | 4.20                             | 10.0                                      | -5.80       |
|          | 5240            | 48          | a                | 36Mbps    | 5.29                             | -1.50              | 3.79                             | 10.0                                      | -6.21       |
|          | 5180            | 36          | n (20MHz)        | MCS0      | 6.15                             | -1.50              | 4.65                             | 10.0                                      | -5.35       |
|          | 5200            | 40          | n (20MHz)        | MCS5      | 5.85                             | -1.50              | 4.35                             | 10.0                                      | -5.65       |
|          | 5240            | 48          | n (20MHz)        | MCS5      | 5.42                             | -1.50              | 3.92                             | 10.0                                      | -6.08       |
|          | 5180            | 36          | be (SU) (20MHz)  | MCS0      | 5.59                             | -1.50              | 4.09                             | 10.0                                      | -5.91       |
|          | 5200            | 40          | be (SU) (20MHz)  | MCS5      | 5.34                             | -1.50              | 3.84                             | 10.0                                      | -6.17       |
|          | 5240            | 48          | be (SU) (20MHz)  | MCS5      | 5.35                             | -1.50              | 3.85                             | 10.0                                      | -6.15       |
|          | 5190            | 38          | n (40MHz)        | MCS3      | 0.30                             | -1.50              | -1.21                            | 10.0                                      | -11.21      |
|          | 5230            | 46          | n (40MHz)        | MCS0      | 4.85                             | -1.50              | 3.35                             | 10.0                                      | -6.65       |
|          | 5190            | 38          | be (SU) (40MHz)  | MCS0      | -0.30                            | -1.50              | -1.80                            | 10.0                                      | -11.80      |
|          | 5230            | 46          | be (SU) (40MHz)  | MCS3      | 4.77                             | -1.50              | 3.27                             | 10.0                                      | -6.74       |
|          | 5210            | 42          | ac (80MHz)       | MCS3      | -4.23                            | -1.50              | -5.73                            | 10.0                                      | -15.73      |
|          | 5210            | 42          | be (SU) (80MHz)  | MCS0      | -4.08                            | -1.50              | -5.58                            | 10.0                                      | -15.58      |
| Band 1/2 | 5250            | 50          | ac (160MHz)      | MCS3      | -8.77                            | -1.50              | -10.27                           | 10.0                                      | -20.27      |
|          | 5250            | 50          | be (SU) (160MHz) | MCS0      | -7.69                            | -1.50              | -9.19                            | 10.0                                      | -19.19      |

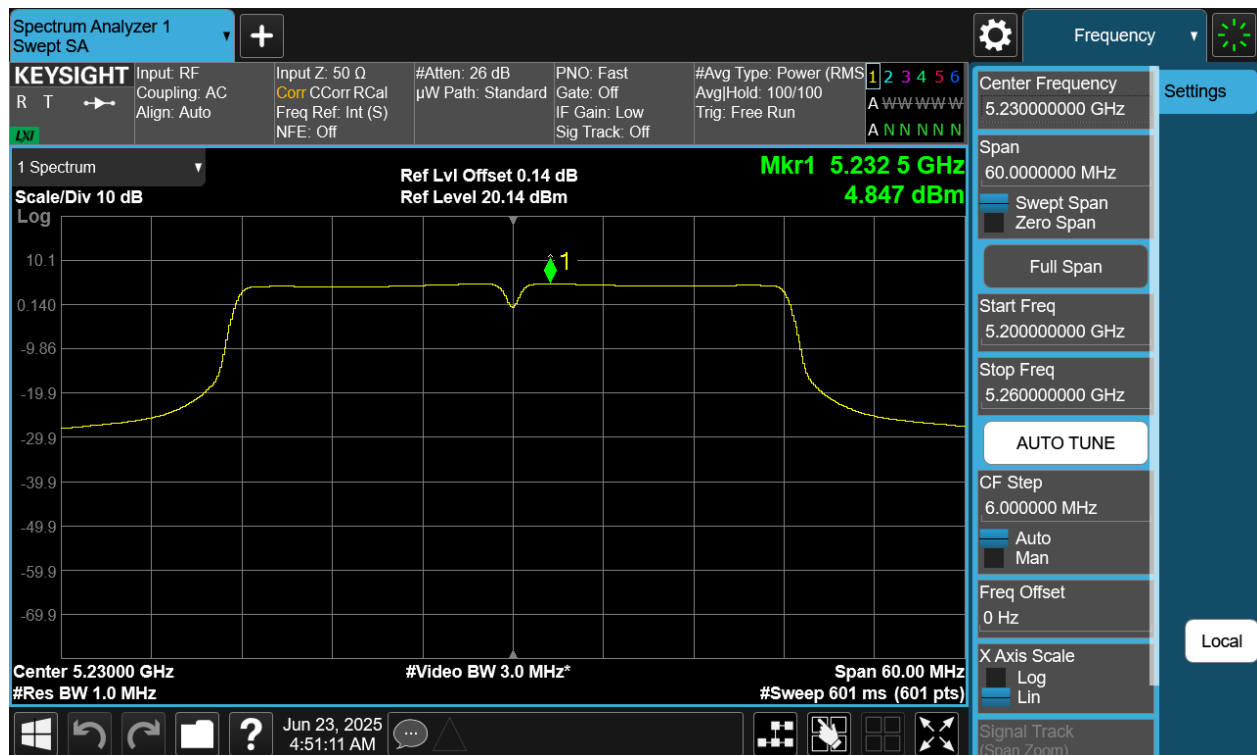
**Table 7-106. ISED Band 1 e.i.r.p. Power Spectral Density Measurements Antenna WF7**

|                                                   |                                                                                                                               |                                   |                                          |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------------------|
| <b>FCC ID:</b> BCGA3357<br><b>IC:</b> 579C-A3357  |  <b>MEASUREMENT REPORT (CERTIFICATION)</b> |                                   | <b>Approved by:</b><br>Technical Manager |
| <b>Test Report S/N:</b><br>1C2504170038-13-R1.BCG | <b>Test Dates:</b><br>05/12/2025 - 07/04/2025                                                                                 | <b>EUT Type:</b><br>Tablet Device | Page 91 of 259                           |

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Plot 7-51 PSD Antenna WF7 (20MHz BW 802.11n - Ch.36)



Plot 7-52 PSD Antenna WF7 (40MHz BW 802.11n - Ch.46)

|                                            |                                        |                                       |                                   |
|--------------------------------------------|----------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA3357<br>IC: 579C-A3357         | element                                | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2504170038-13-R1.BCG | Test Dates:<br>05/12/2025 - 07/04/2025 | EUT Type:<br>Tablet Device            | Page 92 of 259                    |